

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058847.D
 Acq On : 18 Oct 2019 10:21
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Quant Time: Oct 18 23:54:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	439340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	696033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	662723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	332372	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	626242	100.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.80%	
35) Dibromofluoromethane	7.57	113	451552	103.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.56%	
50) Toluene-d8	10.08	98	1815632	104.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.60%	
62) 4-Bromofluorobenzene	12.40	95	698828	107.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	525935	96.317	ug/l	100
3) Chloromethane	2.04	50	619964	94.428	ug/l	99
4) Vinyl Chloride	2.17	62	647164	99.068	ug/l	99
5) Bromomethane	2.53	94	379228	94.308	ug/l	97
6) Chloroethane	2.68	64	400667	98.896	ug/l	99
7) Trichlorofluoromethane	2.99	101	774888	97.782	ug/l	99
8) Diethyl Ether	3.39	74	282305	98.524	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	427209	95.848	ug/l	99
10) Methyl Iodide	3.93	142	603982	100.048	ug/l	99
11) Tert butyl alcohol	4.76	59	500444	493.784	ug/l	100
12) 1,1-Dichloroethene	3.71	96	419916	99.087	ug/l	98
13) Acrolein	3.58	56	384632	482.968	ug/l	98
14) Allyl chloride	4.30	41	862231	100.357	ug/l	99
15) Acrylonitrile	4.96	53	1348404	528.359	ug/l	99
16) Acetone	3.79	43	1530170	570.467	ug/l	99
17) Carbon Disulfide	4.03	76	1351199	99.119	ug/l	100
18) Methyl Acetate	4.30	43	659312	100.675	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	1527567	101.017	ug/l	99
20) Methylene Chloride	4.53	84	499172	93.369	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	469516	99.122	ug/l	97
22) Diisopropyl ether	5.92	45	1752262	104.683	ug/l	96
23) Vinyl Acetate	5.87	43	7086819	524.527	ug/l	96
24) 1,1-Dichloroethane	5.82	63	943099	99.374	ug/l	100
25) 2-Butanone	6.81	43	2028302	535.812	ug/l	99
26) 2,2-Dichloropropane	6.80	77	819844	94.737	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	533478	96.358	ug/l	99
28) Bromochloromethane	7.17	49	314722	95.490	ug/l	99
29) Tetrahydrofuran	7.19	42	1272644	525.288	ug/l	100
30) Chloroform	7.35	83	921130	96.314	ug/l	100
31) Cyclohexane	7.63	56	886928	97.400	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	807079	99.250	ug/l	99
36) 1,1-Dichloropropene	7.77	75	728008	102.425	ug/l	100
37) Ethyl Acetate	6.91	43	783138	107.755	ug/l	99
38) Carbon Tetrachloride	7.76	117	713325	102.998	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058847.D
 Acq On : 18 Oct 2019 10:21
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 18 23:54:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	857079	104.479	ug/l	99
40) Benzene	8.02	78	2102120	102.755	ug/l	98
41) Methacrylonitrile	7.18	41	1148011	348.126	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	783294	99.791	ug/l	99
43) Isopropyl Acetate	8.15	43	1290723	105.066	ug/l	100
44) Trichloroethene	8.82	130	508728	100.690	ug/l	100
45) 1,2-Dichloropropane	9.11	63	570205	103.973	ug/l	100
46) Dibromomethane	9.19	93	361462	104.315	ug/l	98
47) Bromodichloromethane	9.39	83	750067	106.075	ug/l	100
48) Methyl methacrylate	9.19	41	608753	109.003	ug/l	100
49) 1,4-Dioxane	9.19	88	185255	2131.994	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3724135	536.158	ug/l	94
52) Toluene	10.15	92	1306212	104.614	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	878699	108.428	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	925980	107.457	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	503478	98.457	ug/l	99
56) Ethyl methacrylate	10.42	69	855317	114.485	ug/l	100
57) 1,3-Dichloropropane	10.70	76	903327	103.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1837095	519.910	ug/l	99
59) 2-Hexanone	10.75	43	2959966	549.728	ug/l	95
60) Dibromochloromethane	10.90	129	569059	107.777	ug/l	99
61) 1,2-Dibromoethane	11.00	107	535860	104.537	ug/l	100
64) Tetrachloroethene	10.63	164	448181	96.071	ug/l	99
65) Chlorobenzene	11.43	112	1367478	101.015	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	509452	101.679	ug/l	99
67) Ethyl Benzene	11.51	91	2498052	103.546	ug/l	95
68) m/p-Xylenes	11.62	106	1906807	210.687	ug/l	93
69) o-Xylene	11.95	106	903156	103.259	ug/l	97
70) Styrene	11.96	104	1554020	108.459	ug/l	99
71) Bromoform	12.13	173	413044	111.717	ug/l #	98
73) Isopropylbenzene	12.25	105	2443607	100.774	ug/l	98
74) N-amyl acetate	12.07	43	1196166	108.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	801505	99.537	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1101011	147.186	ug/l #	100
77) Bromobenzene	12.53	156	578933	97.975	ug/l	99
78) n-propylbenzene	12.59	91	2895006	102.320	ug/l	98
79) 2-Chlorotoluene	12.68	91	1735233	98.833	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2124333	102.617	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	305324	109.555	ug/l	97
82) 4-Chlorotoluene	12.78	91	1820879	101.112	ug/l	100
83) tert-Butylbenzene	13.00	119	1805336	101.822	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2133744	103.684	ug/l	98
85) sec-Butylbenzene	13.17	105	2417562	103.370	ug/l	98
86) p-Isopropyltoluene	13.29	119	2202651	103.888	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	1084879	99.899	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1067674	96.567	ug/l	99
89) n-Butylbenzene	13.62	91	2072621	105.694	ug/l	98
90) Hexachloroethane	13.88	117	408255	106.540	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1045480	98.572	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	176105	93.376	ug/l	96

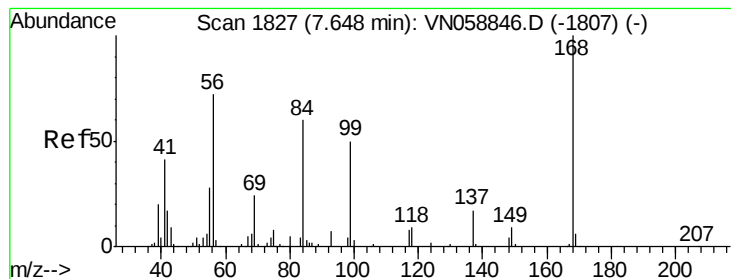
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
Data File : VN058847.D
Acq On : 18 Oct 2019 10:21
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 18 23:54:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 18 23:49:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	650696	101.500	ug/l	99
94) Hexachlorobutadiene	15.01	225	327299	96.067	ug/l	98
95) Naphthalene	15.13	128	1919794	104.421	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	635877	101.387	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: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

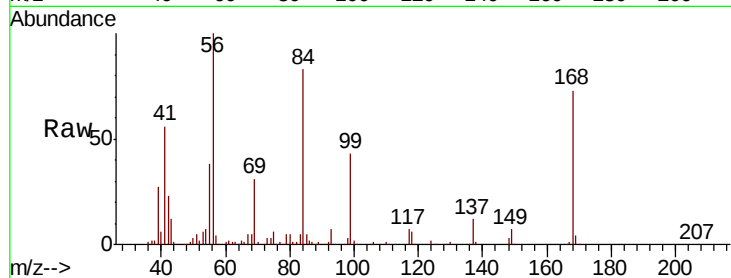
VSTDICC100

Tot Ion:168 Resp: 439340

Ion Ratio Lower Upper

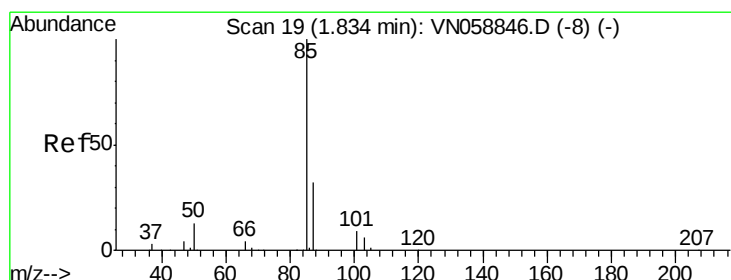
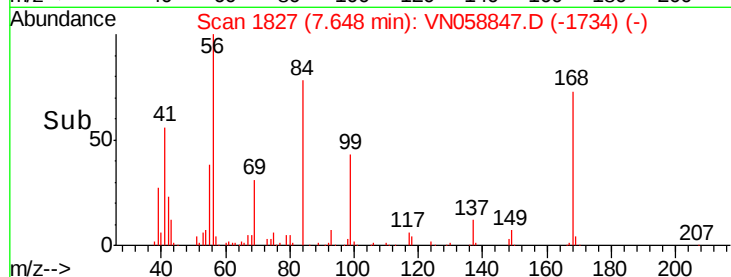
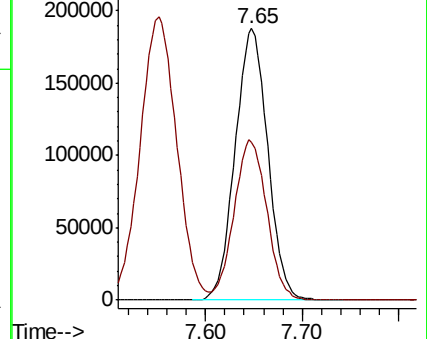
168 100

99 58.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 96.317 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058847.D

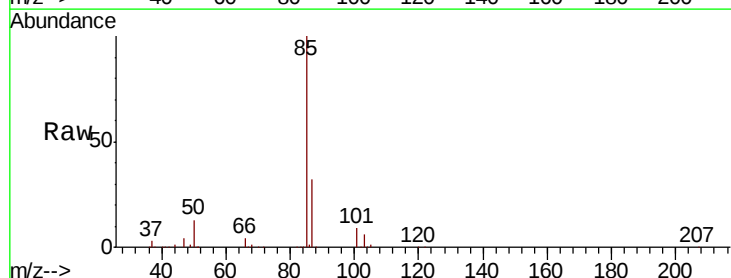
Acq: 18 Oct 2019 10:21

Tgt Ion: 85 Resp: 525935

Ion Ratio Lower Upper

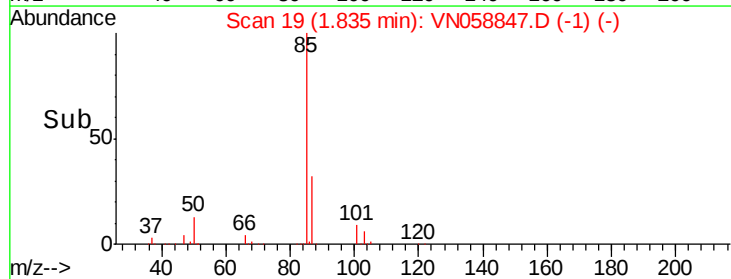
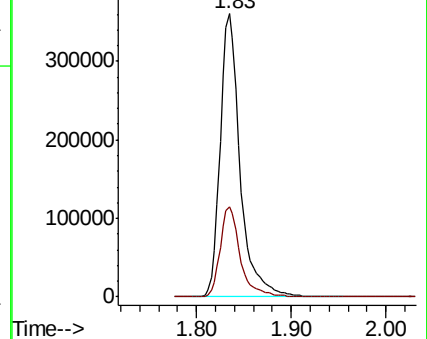
85 100

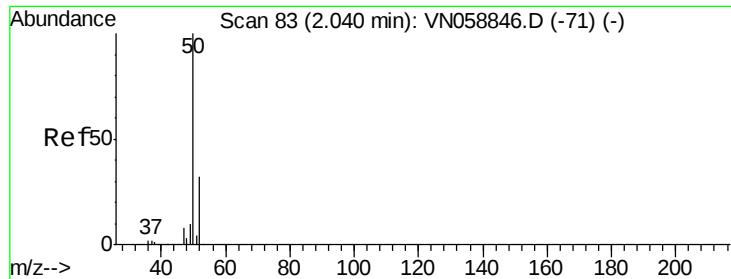
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 94.428 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

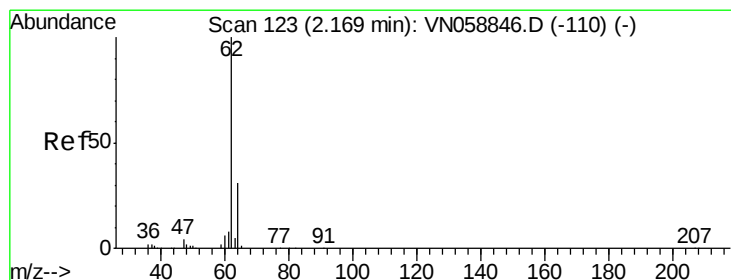
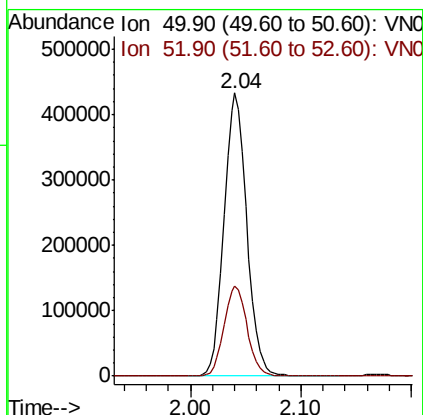
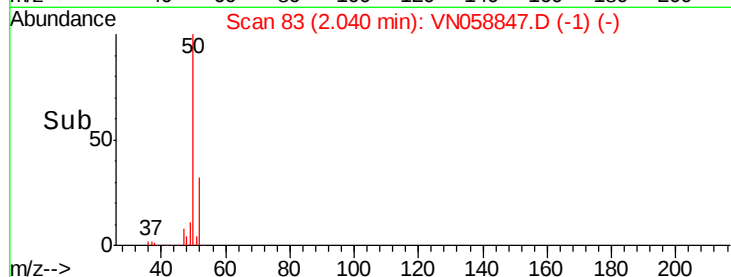
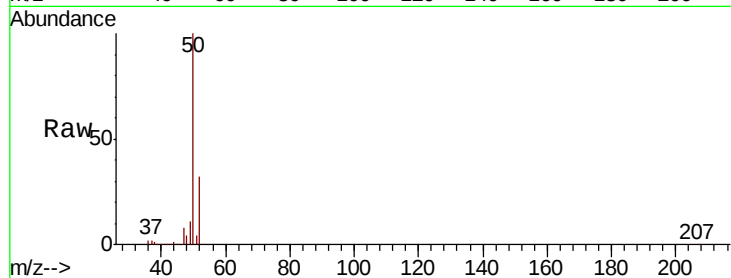
VSTDICC100

Tot Ion: 50 Resp: 619964

Ion Ratio Lower Upper

50 100

52 31.8 25.7 38.5



#4

Vinyl Chloride

Concen: 99.068 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058847.D

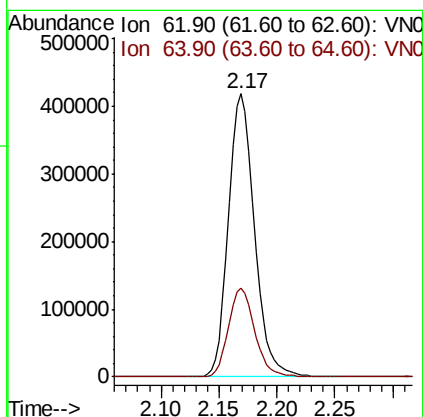
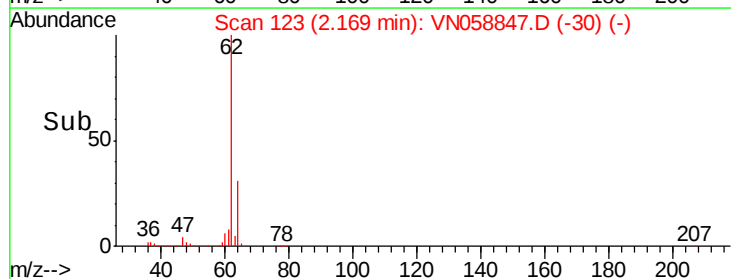
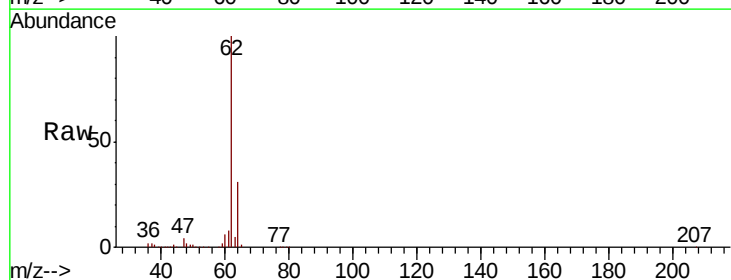
Acq: 18 Oct 2019 10:21

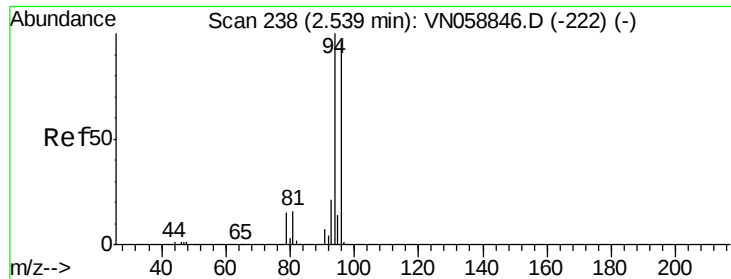
Tgt Ion: 62 Resp: 647164

Ion Ratio Lower Upper

62 100

64 31.2 24.6 36.8





#5

Bromomethane

Concen: 94.308 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

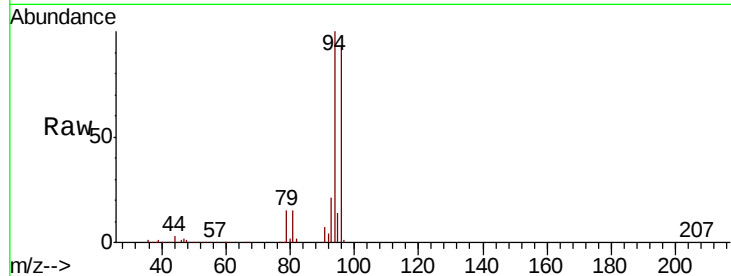
VSTDIC100

Tot Ion: 94 Resp: 379228

Ion Ratio Lower Upper

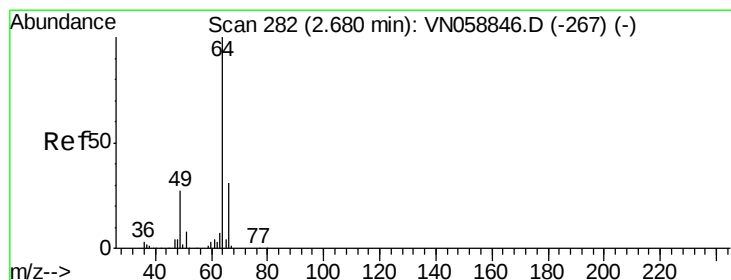
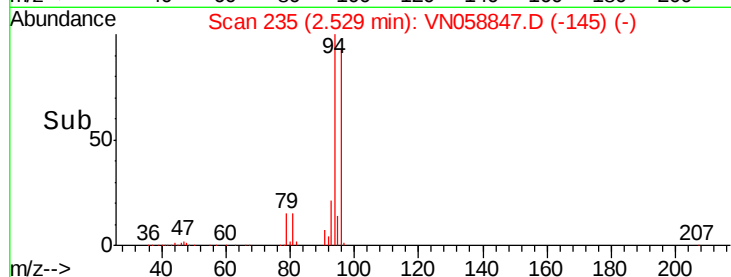
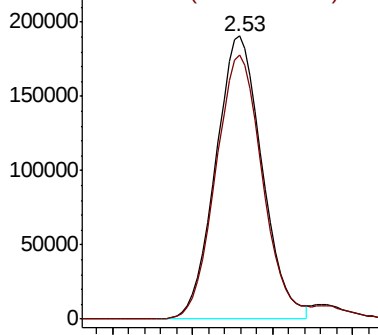
94 100

96 93.3 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: 98.896 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN058847.D

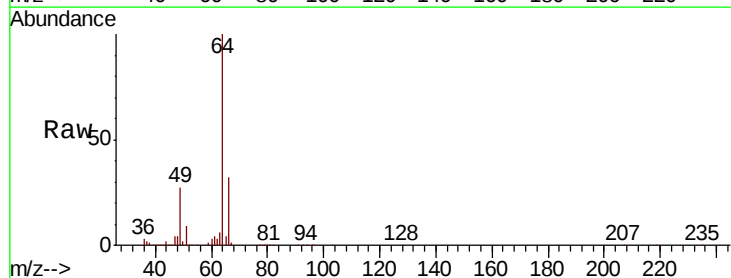
Acq: 18 Oct 2019 10:21

Tgt Ion: 64 Resp: 400667

Ion Ratio Lower Upper

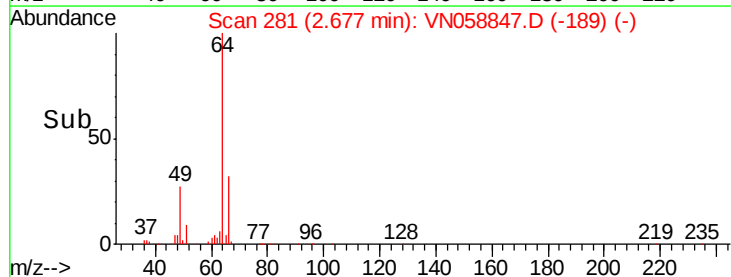
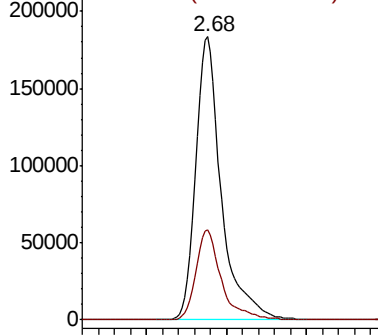
64 100

66 31.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



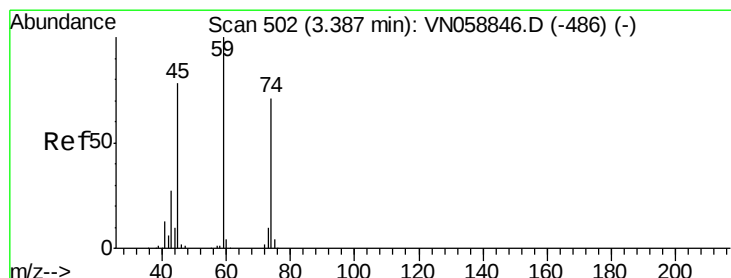
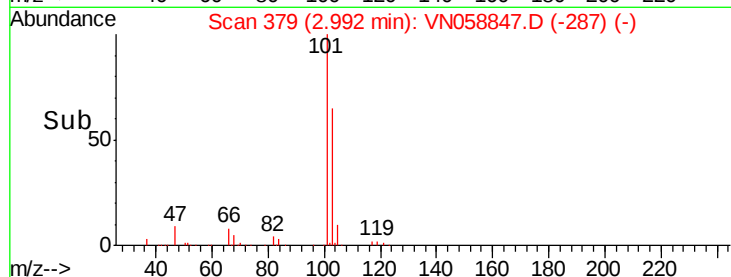
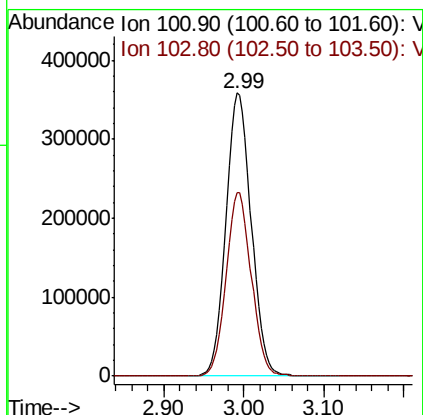
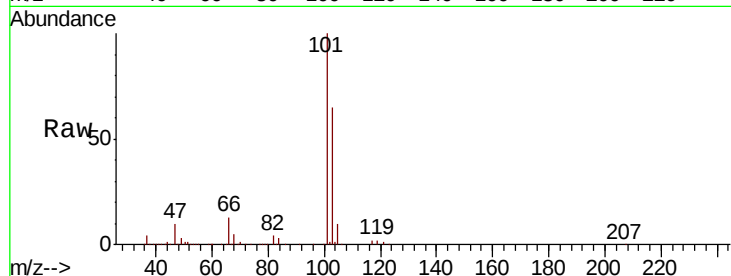


#7

Trichlorofluoromethane
Concen: 97.782 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

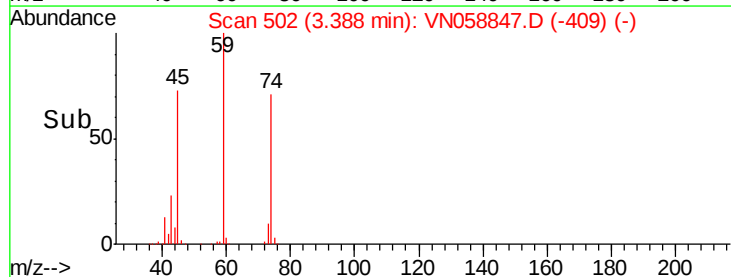
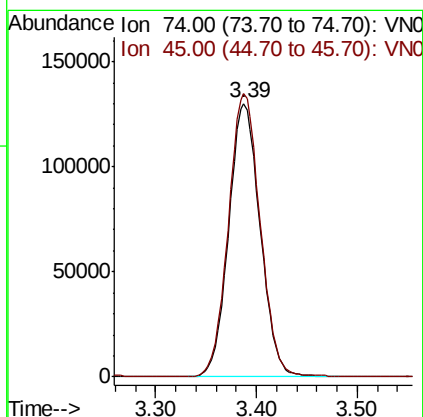
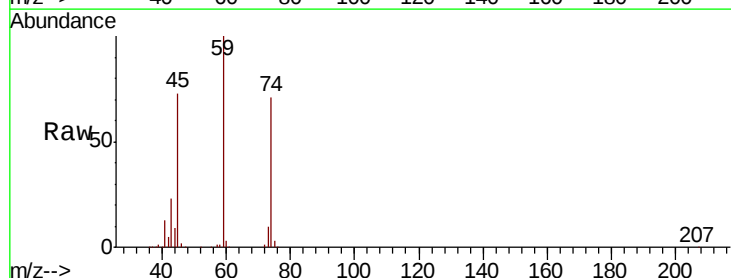
Tot Ion:101 Resp: 774888
Ion Ratio Lower Upper
101 100
103 64.8 52.2 78.2

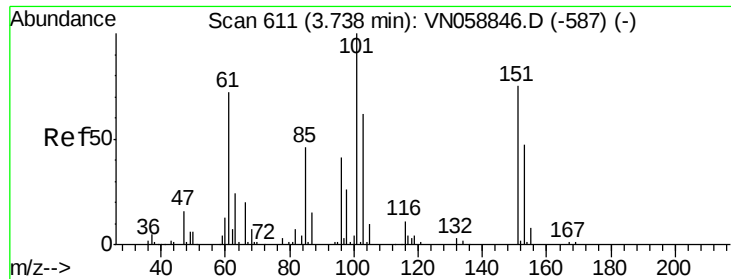


#8

Diethyl Ether
Concen: 98.524 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

Tgt Ion: 74 Resp: 282305
Ion Ratio Lower Upper
74 100
45 105.0 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.848 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

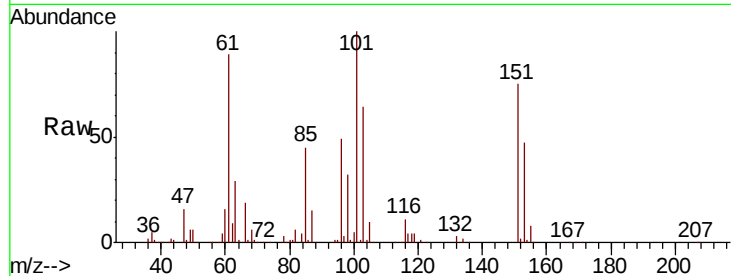
Tot Ion:101 Resp: 427209

Ion Ratio Lower Upper

101 100

85 45.4 37.2 55.8

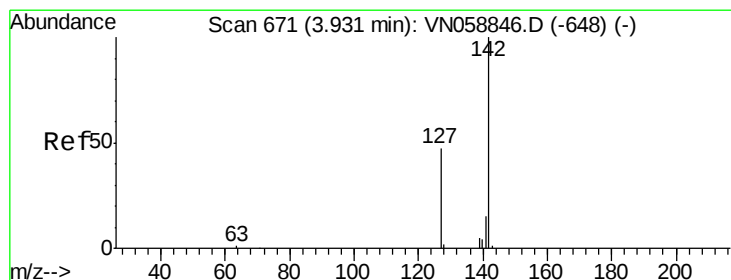
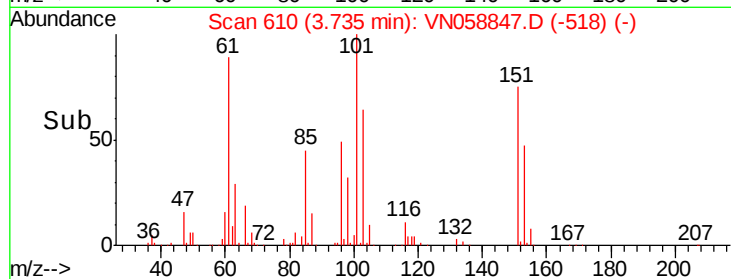
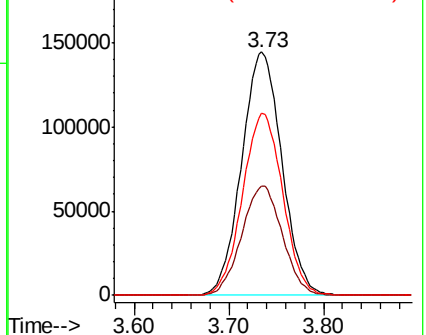
151 74.7 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 100.048 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

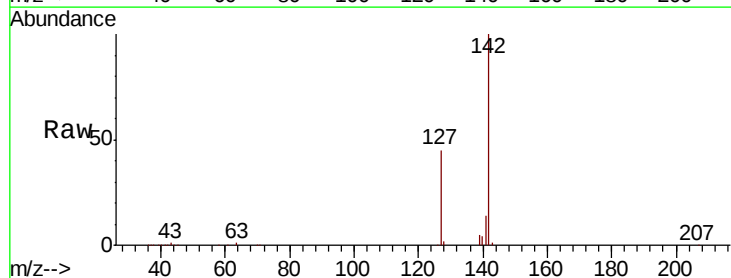
Tgt Ion:142 Resp: 603982

Ion Ratio Lower Upper

142 100

127 46.5 36.6 54.8

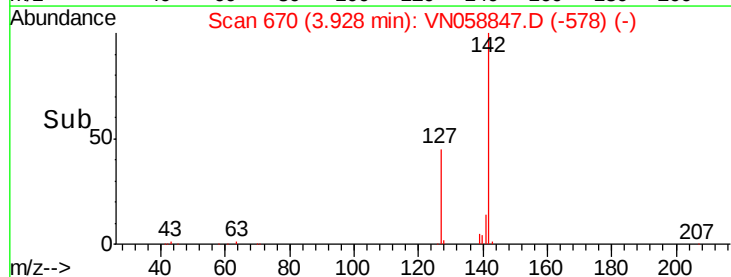
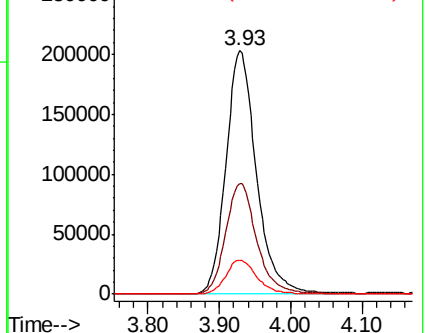
141 14.4 11.4 17.2

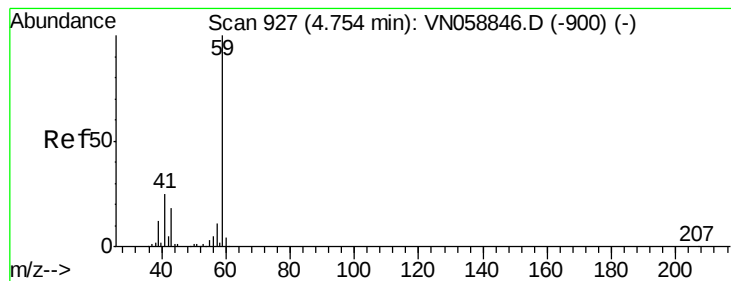


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 493.784 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

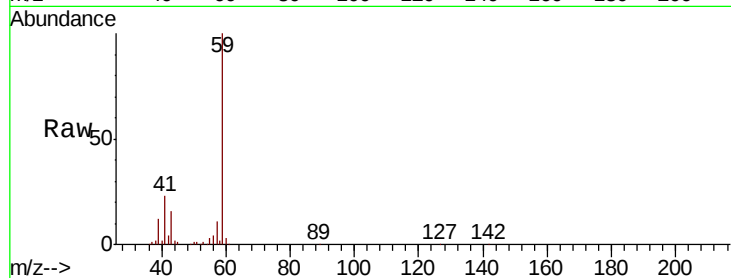
VSTDIC100

Tot Ion: 59 Resp: 500444

Ion Ratio Lower Upper

59 100

57 10.6 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.76

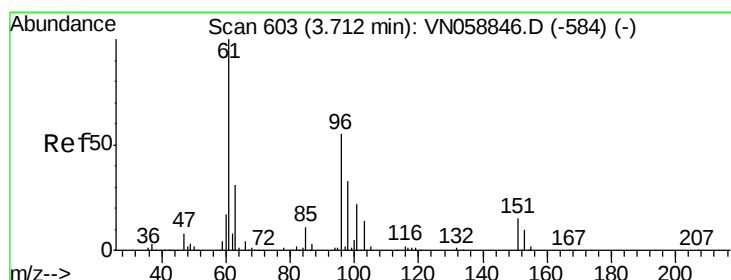
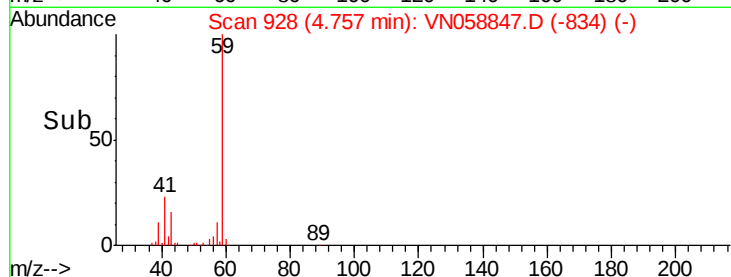
150000

100000

50000

0

Time--> 4.60 4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 99.087 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

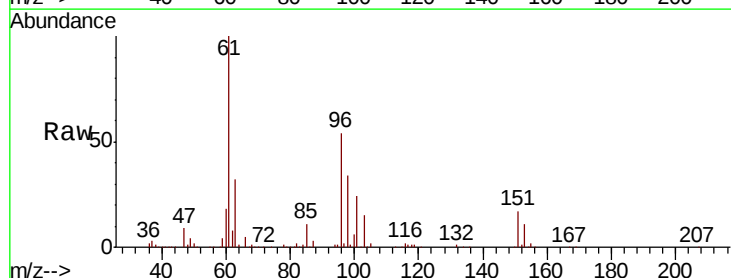
Tgt Ion: 96 Resp: 419916

Ion Ratio Lower Upper

96 100

61 184.5 146.2 219.2

98 63.0 48.7 73.1



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

400000

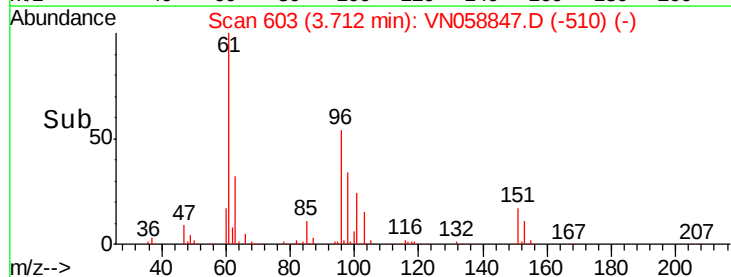
300000

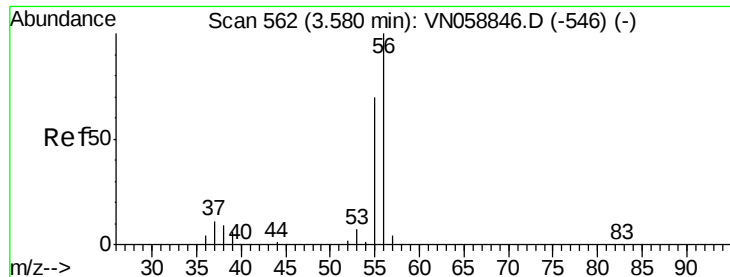
200000

100000

0

Time--> 3.60 3.70 3.80





#13

Acrolein

Concen: 482.968 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

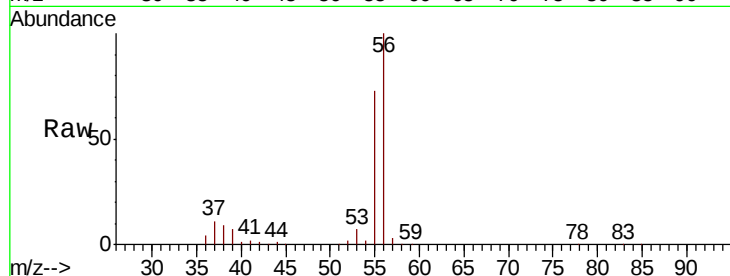
VSTDIC100

Tot Ion: 56 Resp: 384632

Ion Ratio Lower Upper

56 100

55 72.5 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

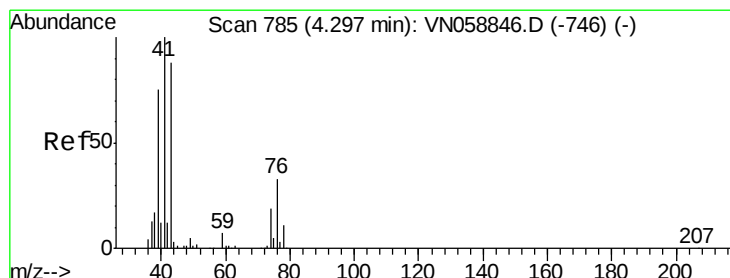
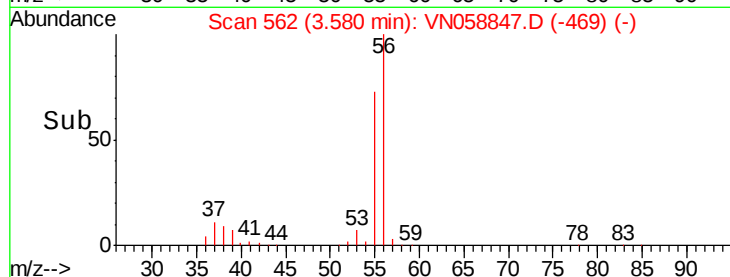
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 100.357 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

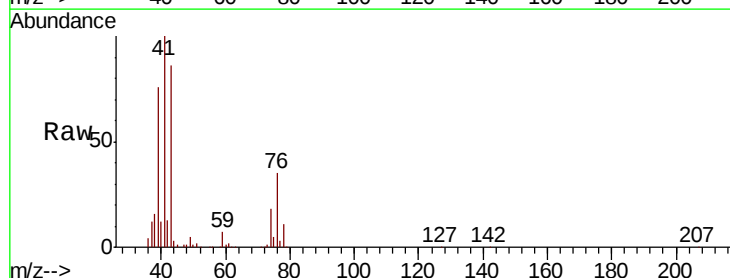
Tgt Ion: 41 Resp: 862231

Ion Ratio Lower Upper

41 100

39 69.2 55.9 83.9

76 30.8 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

600000

500000

400000

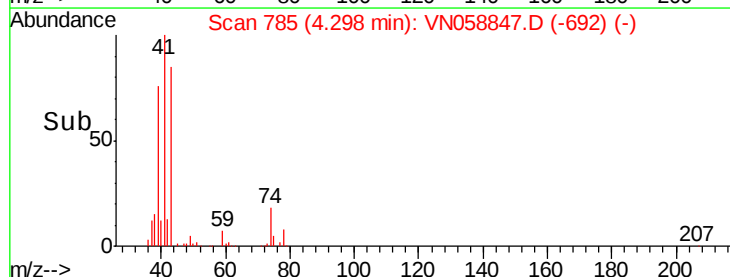
300000

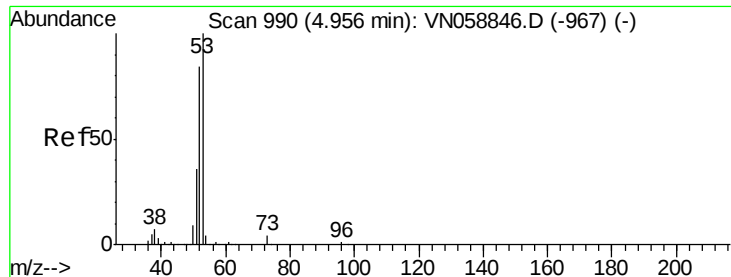
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 528.359 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

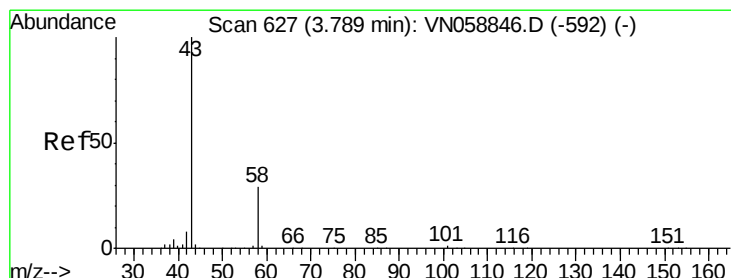
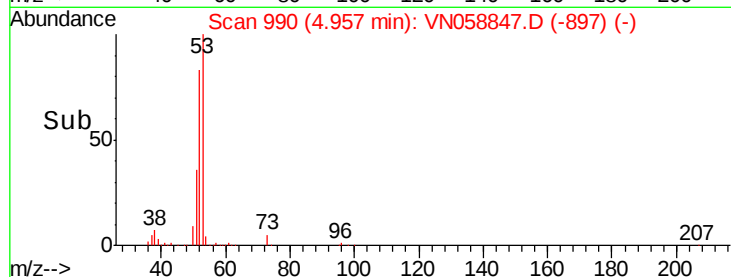
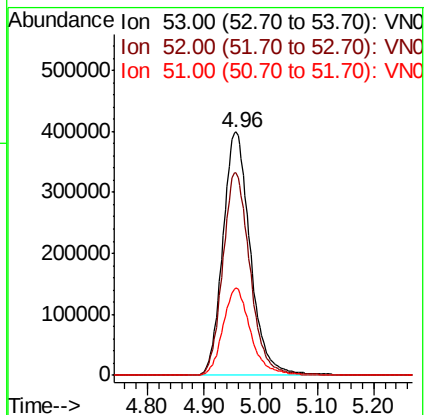
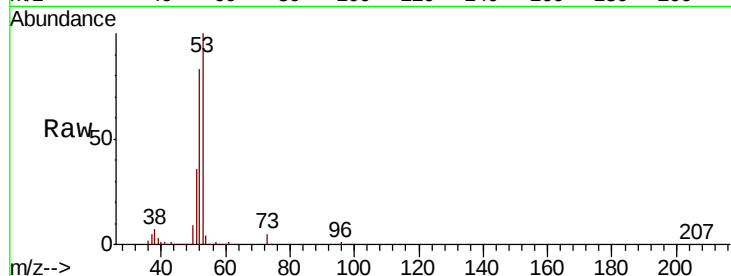
Tot Ion: 53 Resp: 1348404

Ion Ratio Lower Upper

53 100

52 82.6 66.6 99.8

51 36.1 29.2 43.8



#16

Acetone

Concen: 570.467 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN058847.D

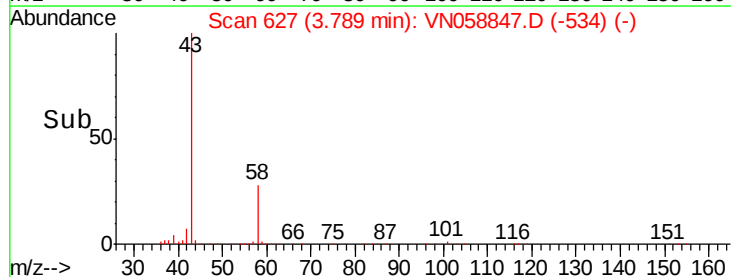
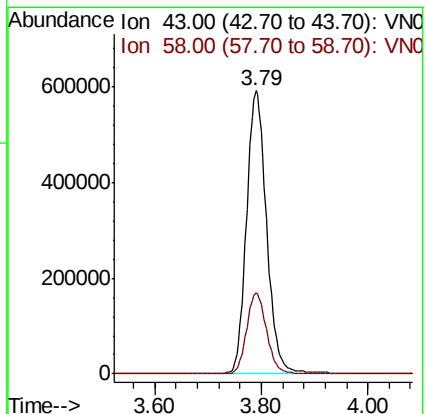
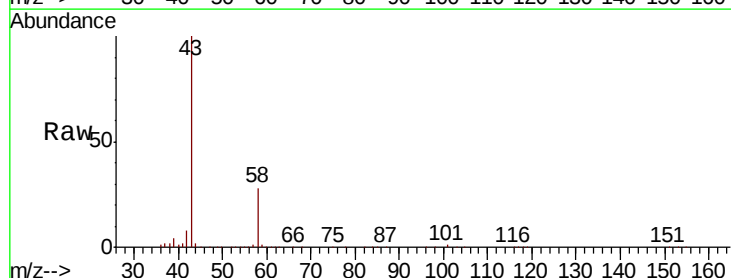
Acq: 18 Oct 2019 10:21

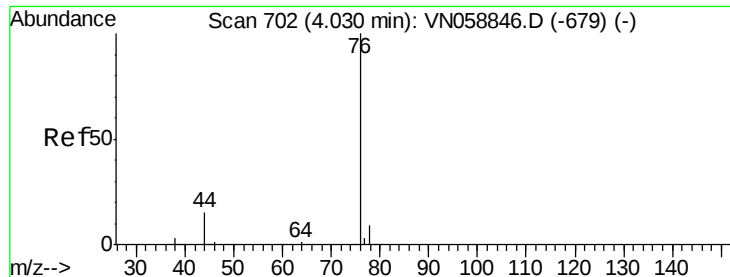
Tgt Ion: 43 Resp: 1530170

Ion Ratio Lower Upper

43 100

58 28.4 23.1 34.7

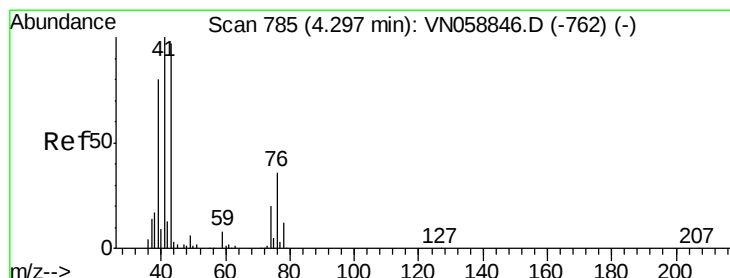
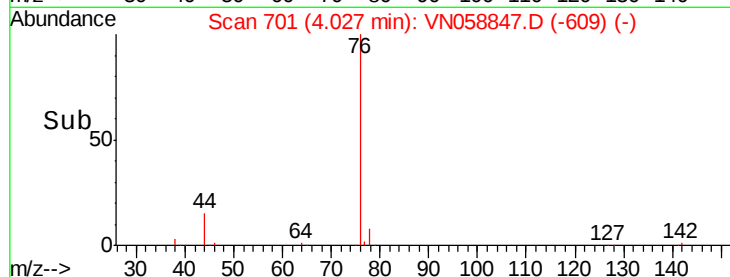
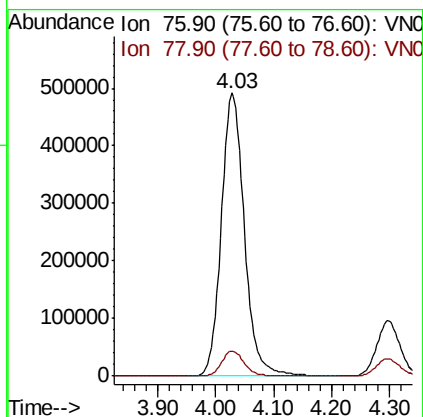
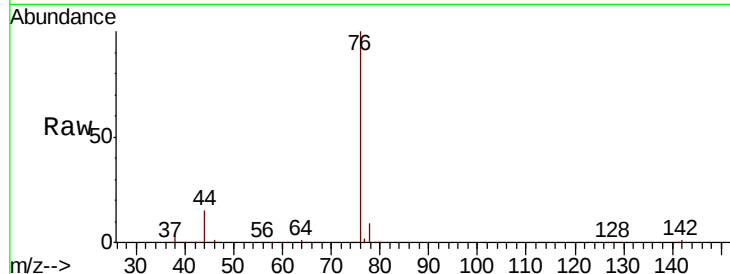




#17
Carbon Disulfide
Concen: 99.119 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

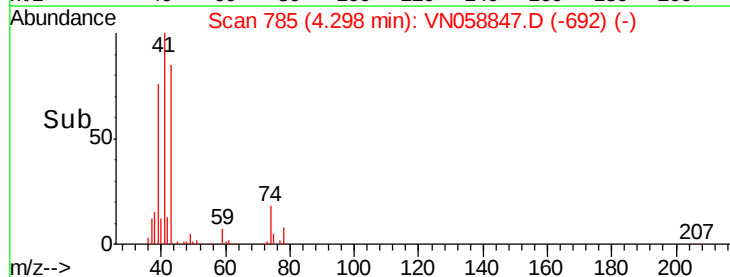
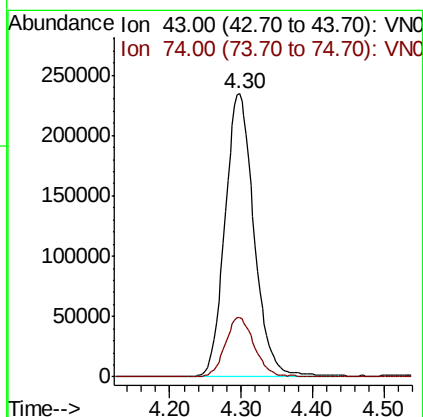
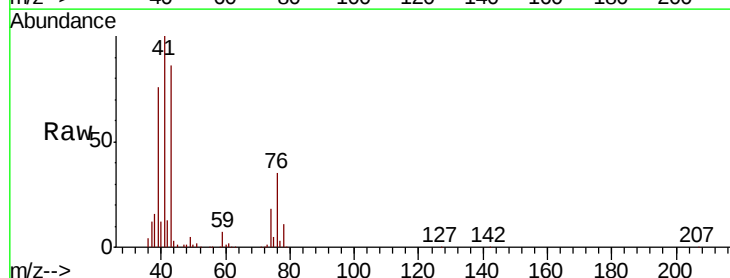
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 76 Resp: 1351199
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 100.675 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

Tgt Ion: 43 Resp: 659312
Ion Ratio Lower Upper
43 100
74 21.0 17.1 25.7



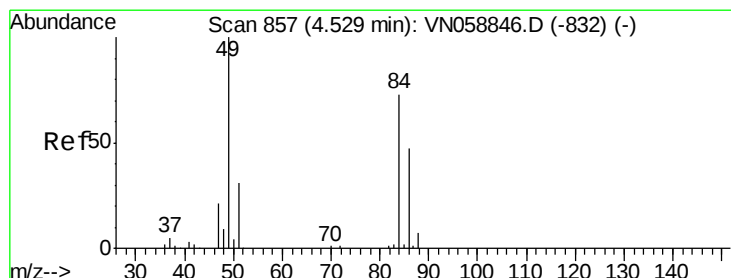
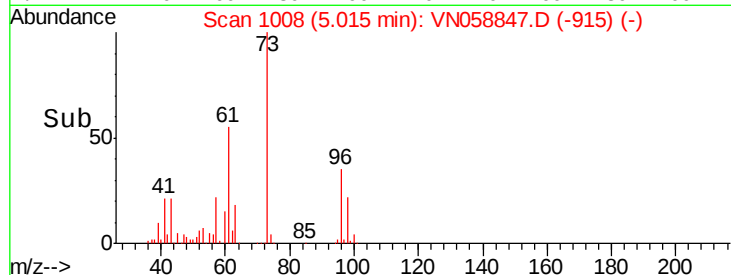
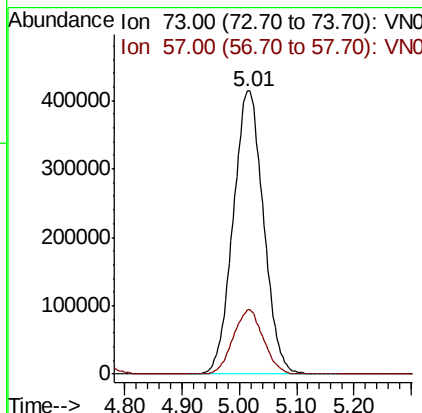
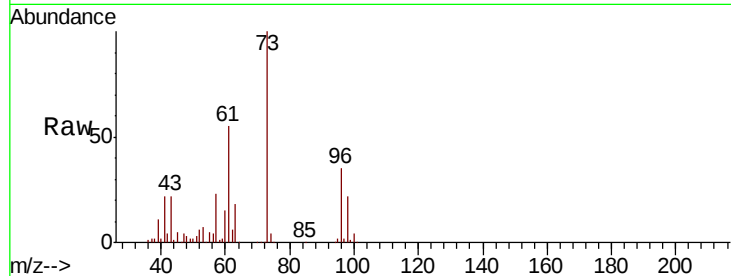


#19

Methyl tert-butyl Ether
 Concen: 101.017 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. 0.00 min
 Lab File: VN058847.D
 Acq: 18 Oct 2019 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

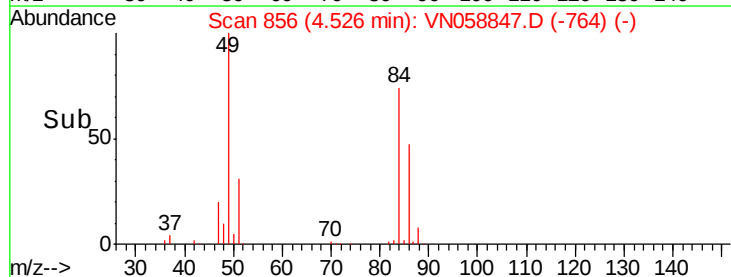
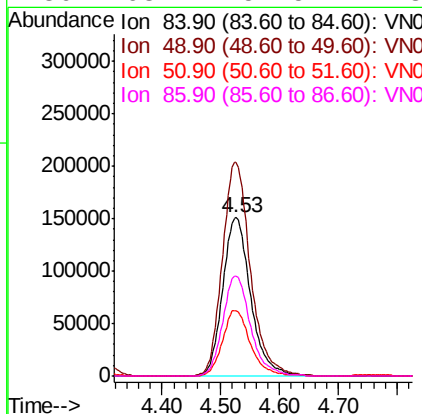
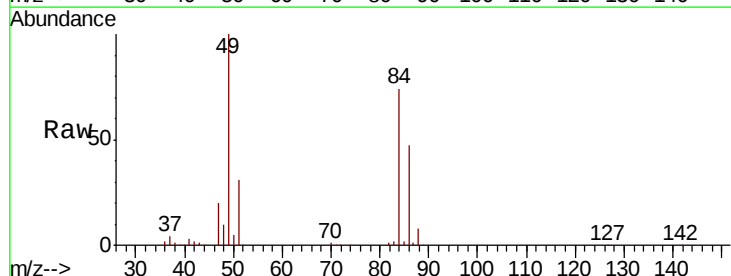
Tot Ion: 73 Resp: 1527567
 Ion Ratio Lower Upper
 73 100
 57 22.7 17.9 26.9



#20

Methylene Chloride
 Concen: 93.369 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VN058847.D
 Acq: 18 Oct 2019 10:21

Tgt Ion: 84 Resp: 499172
 Ion Ratio Lower Upper
 84 100
 49 134.8 109.6 164.4
 51 41.4 33.8 50.6
 86 63.2 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 99.122 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

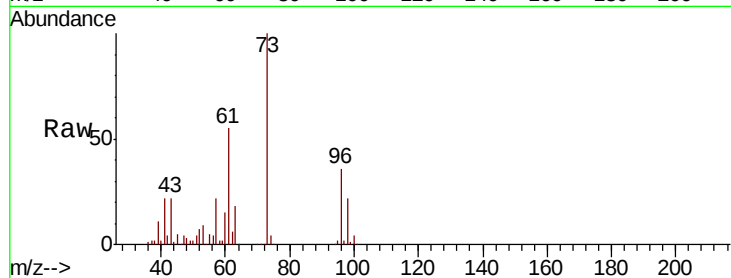
Tot Ion: 96 Resp: 469516

Ion Ratio Lower Upper

96 100

61 154.4 126.7 190.1

98 62.7 52.0 78.0

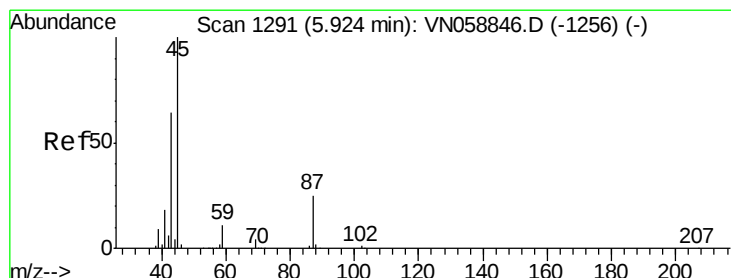
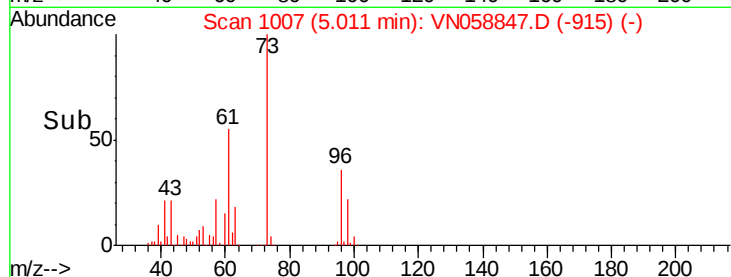
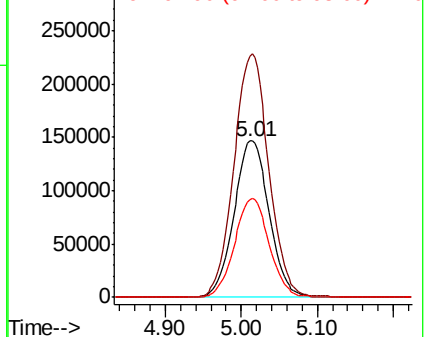


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 104.683 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Tgt Ion: 45 Resp: 1752262

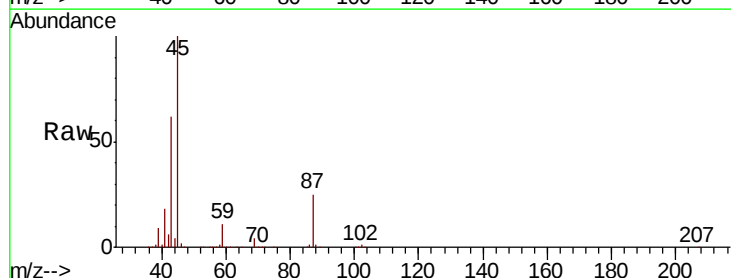
Ion Ratio Lower Upper

45 100

43 61.3 52.9 79.3

87 25.5 20.2 30.4

59 10.9 8.8 13.2



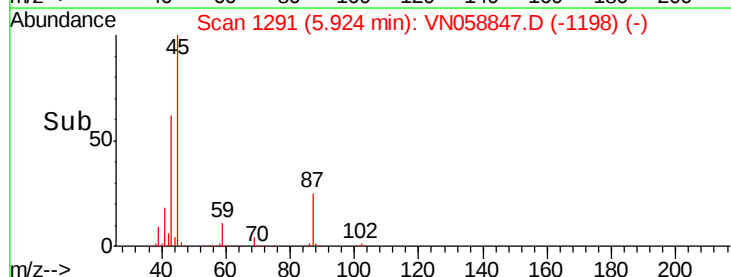
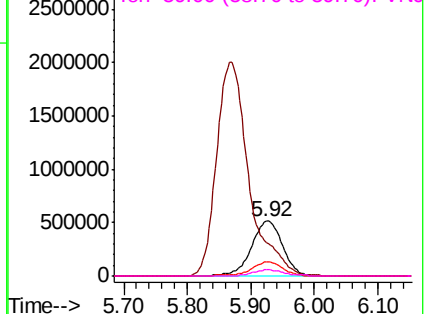
Abundance

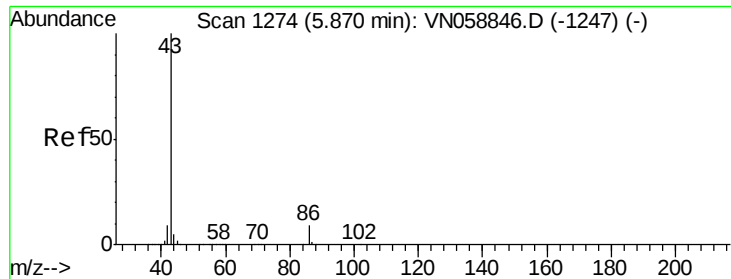
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 524.527 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

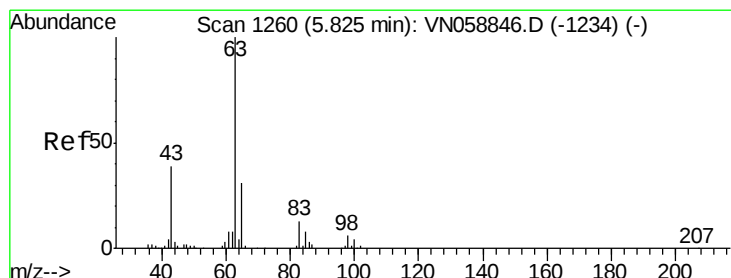
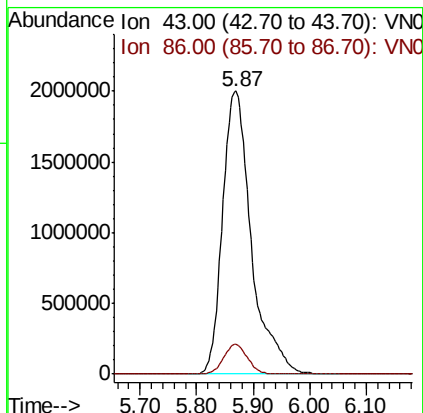
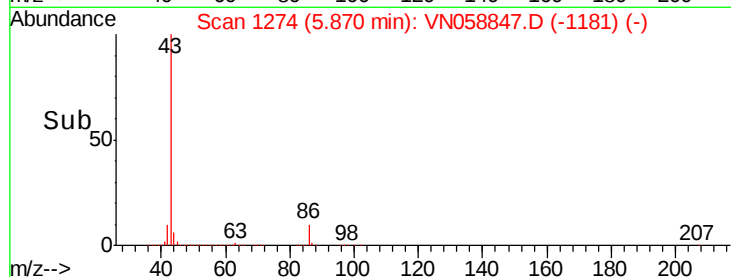
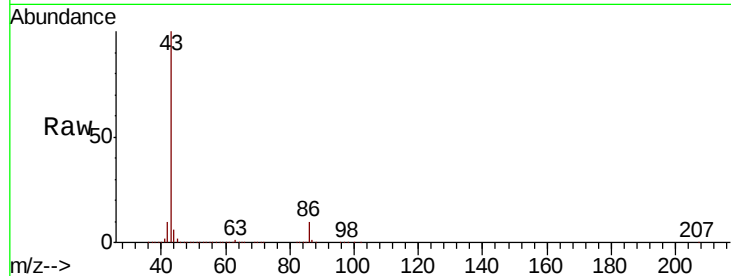
VSTDIC100

Tot Ion: 43 Resp: 7086819

Ion Ratio Lower Upper

43 100

86 10.4 7.2 10.8



#24

1,1-Dichloroethane

Concen: 99.374 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

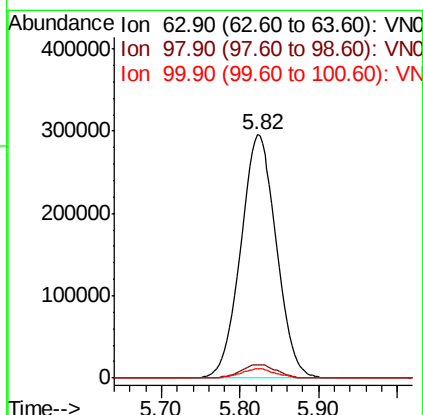
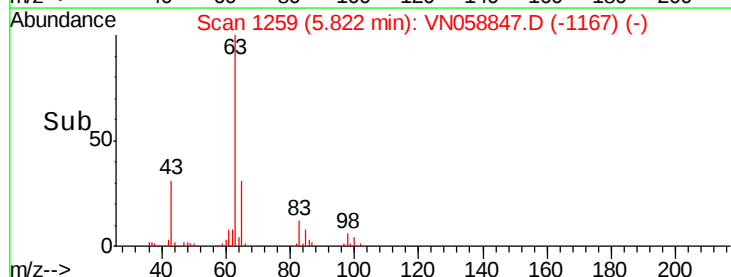
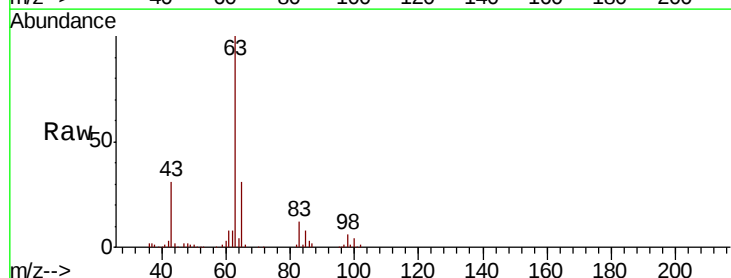
Tgt Ion: 63 Resp: 943099

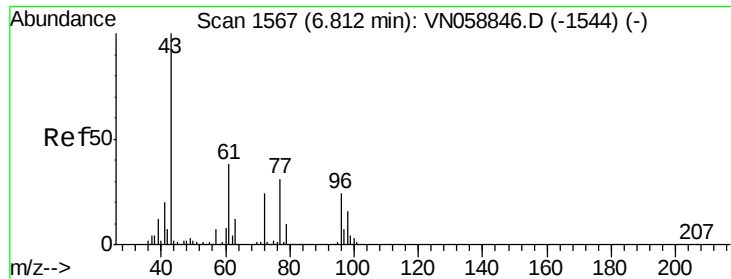
Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

100 3.8 1.9 5.7

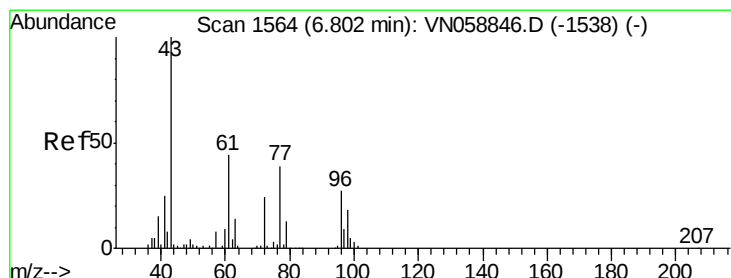
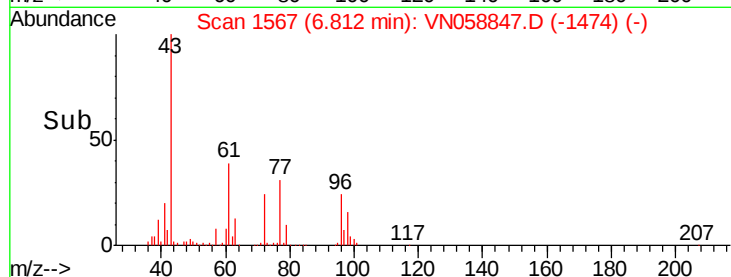
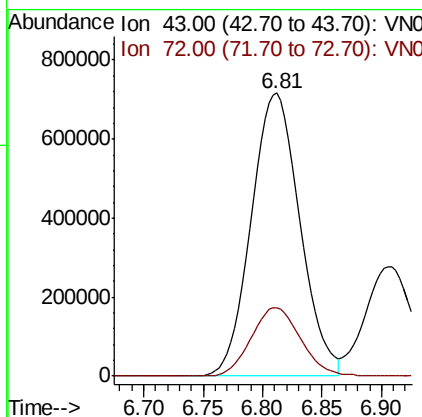
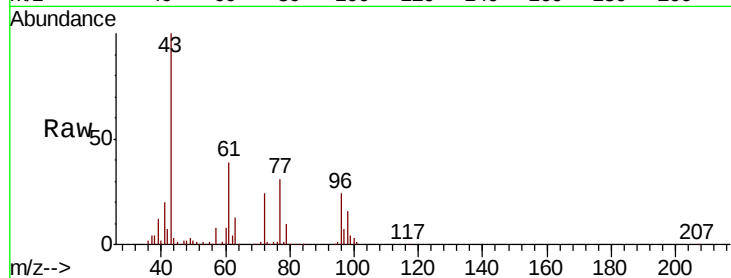




#25
2-Butanone
Concen: 535.812 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

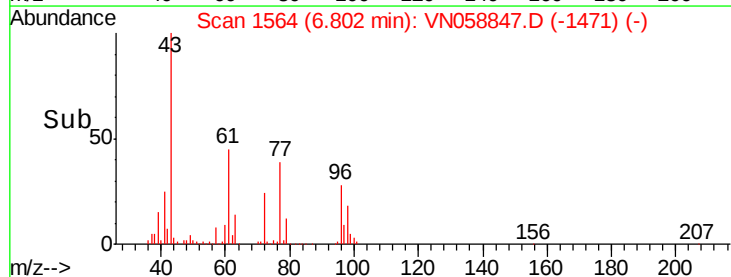
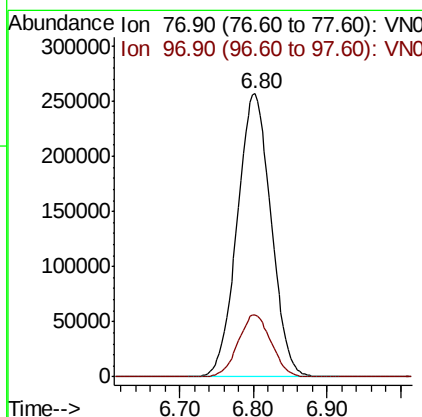
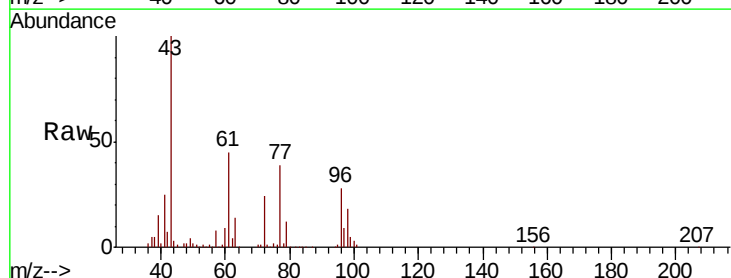
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

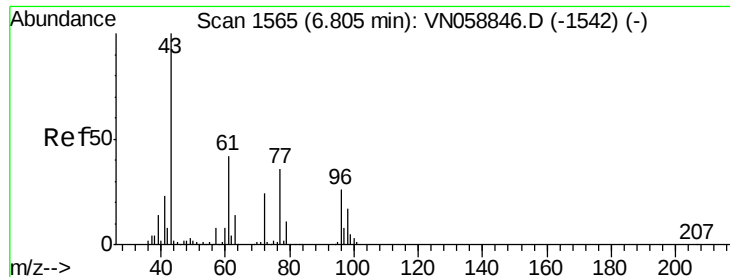
Tot Ion: 43 Resp: 2028302
Ion Ratio Lower Upper
43 100
72 24.2 19.1 28.7



#26
2,2-Dichloropropane
Concen: 94.737 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

Tgt Ion: 77 Resp: 819844
Ion Ratio Lower Upper
77 100
97 21.5 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 96.358 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

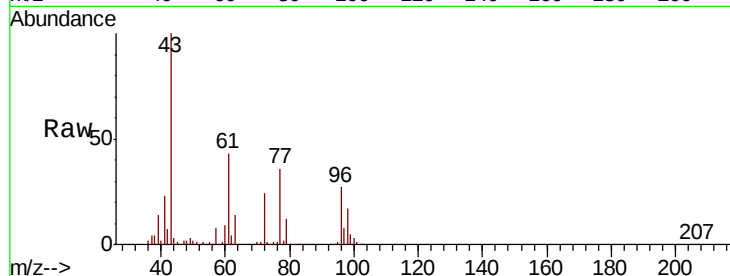
Tot Ion: 96 Resp: 533478

Ion Ratio Lower Upper

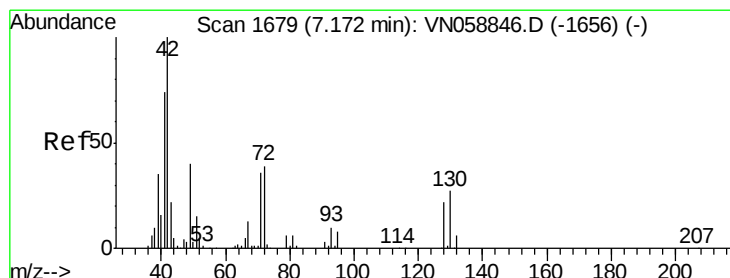
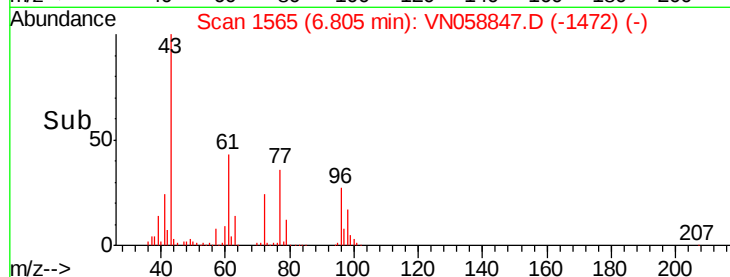
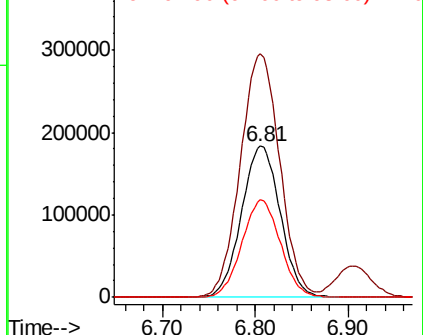
96 100

61 164.1 0.0 325.0

98 64.4 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: 95.490 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

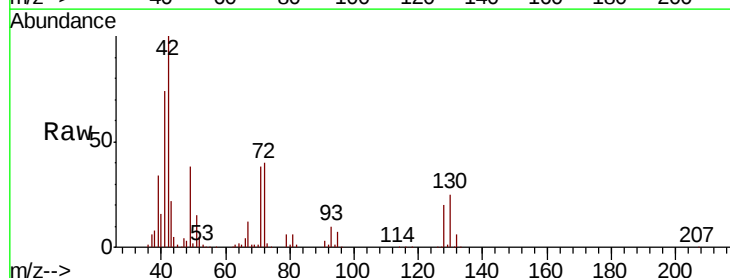
Tgt Ion: 49 Resp: 314722

Ion Ratio Lower Upper

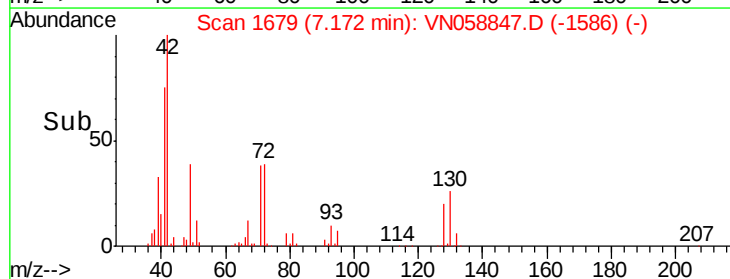
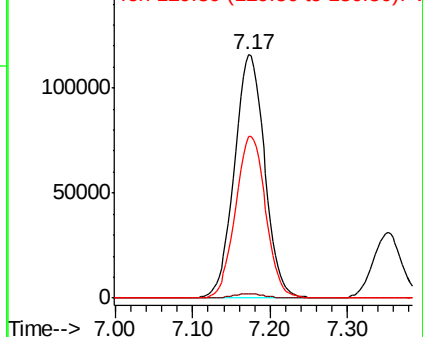
49 100

129 1.7 0.0 3.2

130 66.4 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: 525.288 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

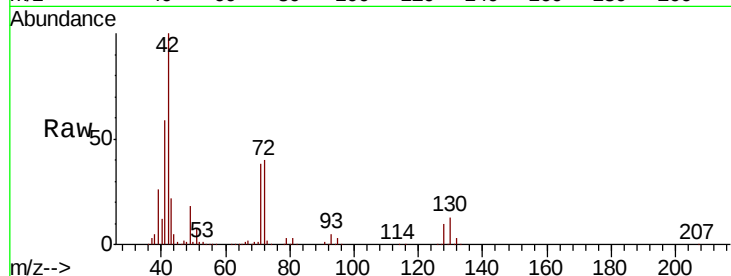
Tot Ion: 42 Resp: 1272644

Ion Ratio Lower Upper

42 100

72 40.5 32.2 48.2

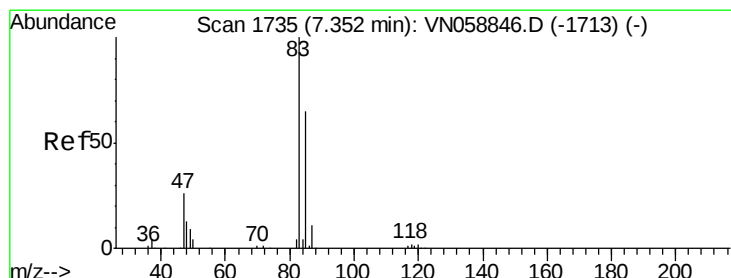
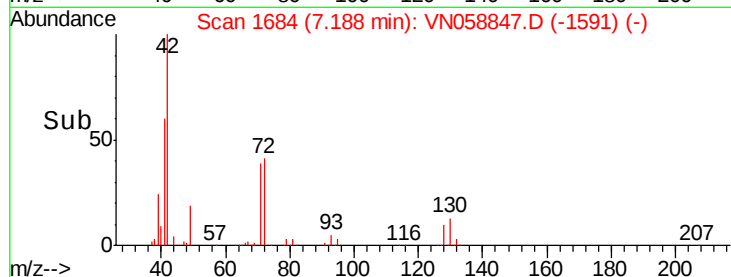
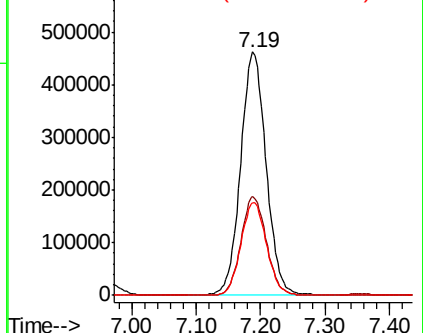
71 38.4 30.6 45.8



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: 96.314 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058847.D

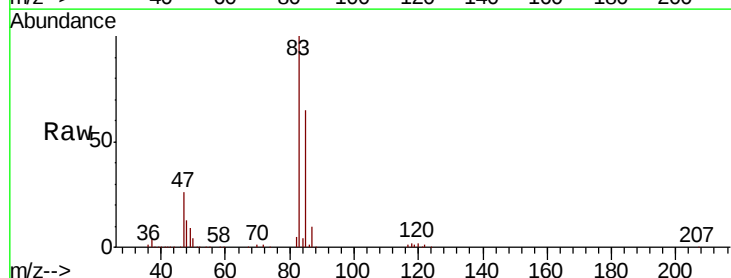
Acq: 18 Oct 2019 10:21

Tgt Ion: 83 Resp: 921130

Ion Ratio Lower Upper

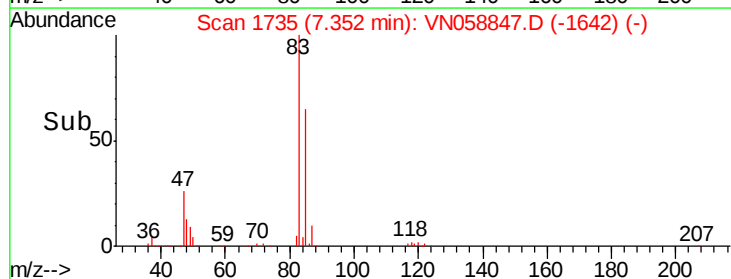
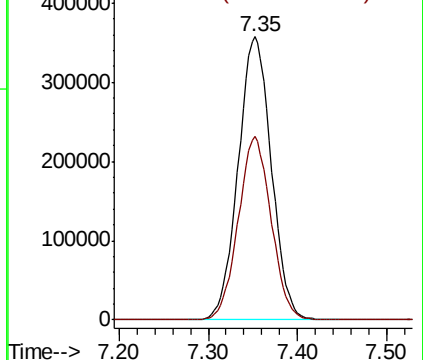
83 100

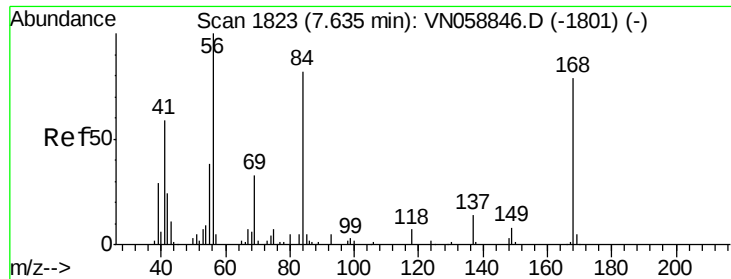
85 64.8 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

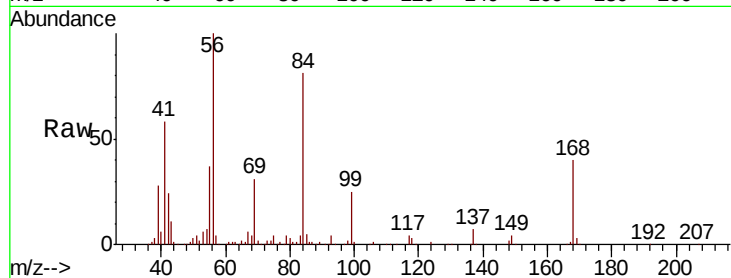




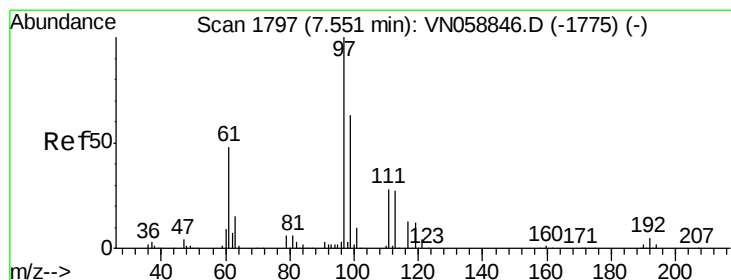
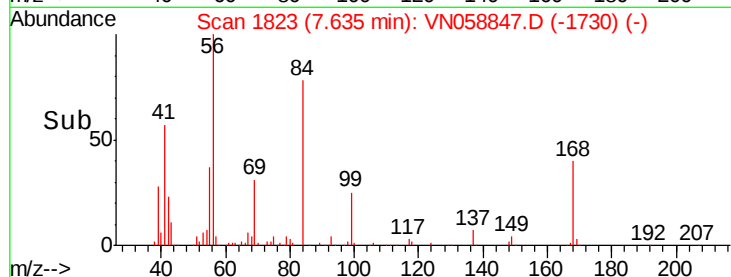
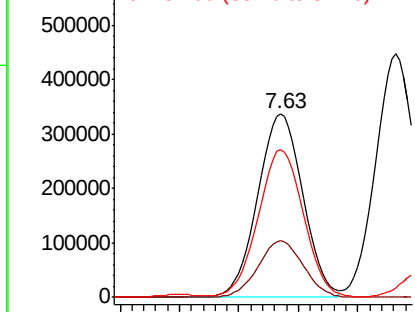
#31
Cyclohexane
Concen: 97.400 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 886928
Ion Ratio Lower Upper
56 100
69 30.7 26.2 39.4
84 79.3 65.6 98.4

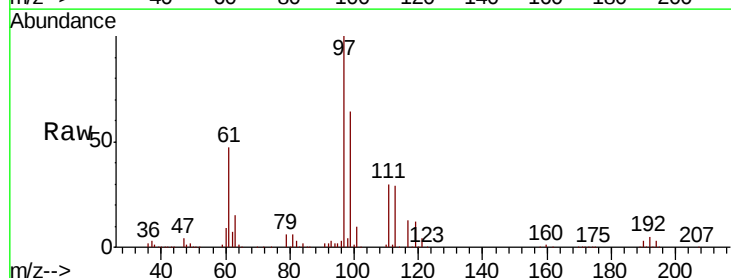


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

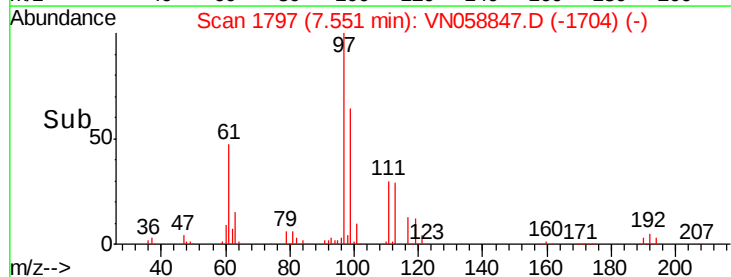
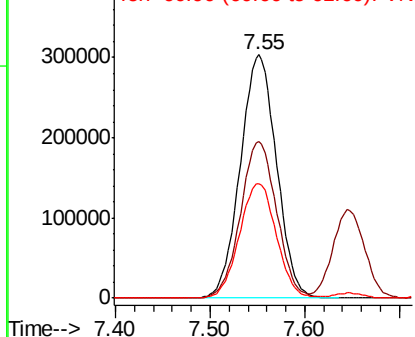


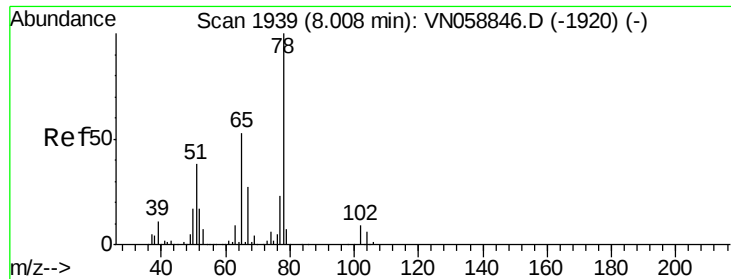
#32
1,1,1-Trichloroethane
Concen: 99.250 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

Tgt Ion: 97 Resp: 807079
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 47.9 38.6 58.0



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

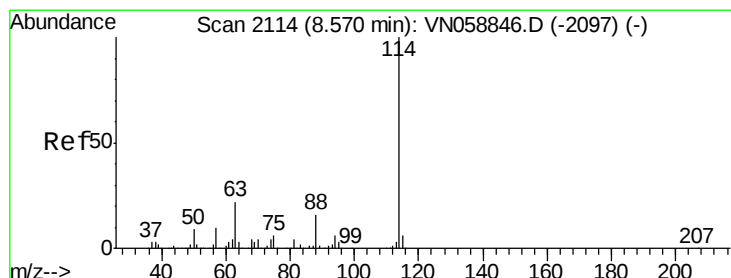
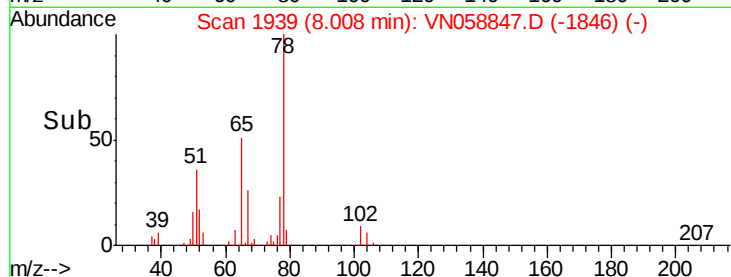
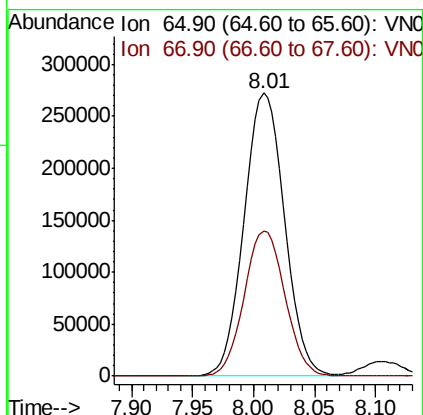
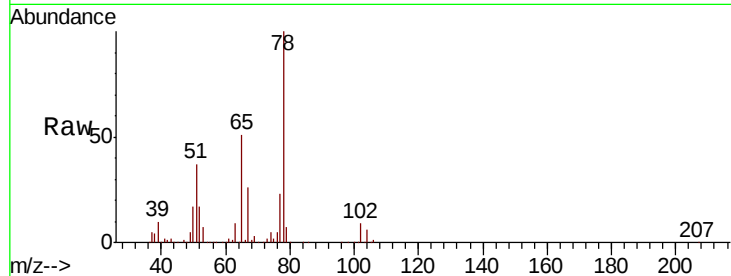




#33
 1,2-Dichloroethane-d4
 Concen: 100.904 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058847.D
 Acq: 18 Oct 2019 10:21

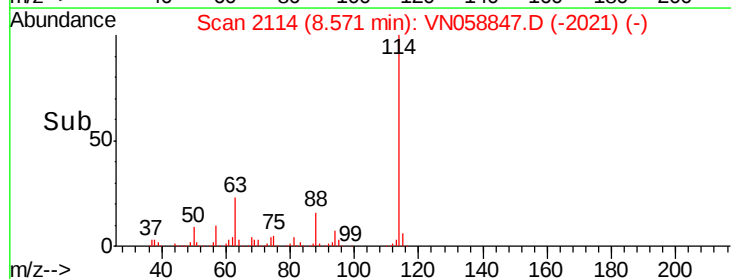
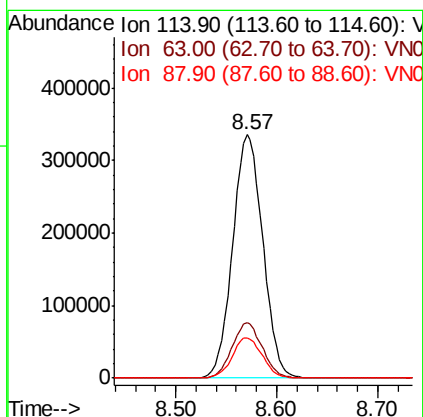
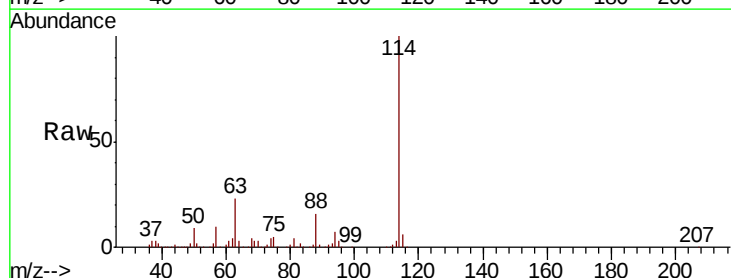
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

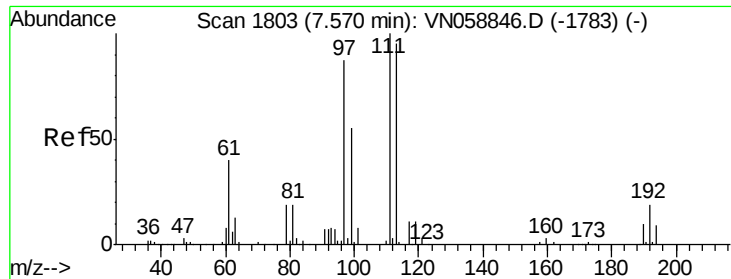
Tot Ion: 65 Resp: 626242
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058847.D
 Acq: 18 Oct 2019 10:21

Tgt Ion: 114 Resp: 696033
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 44.4
 88 16.4 0.0 31.4

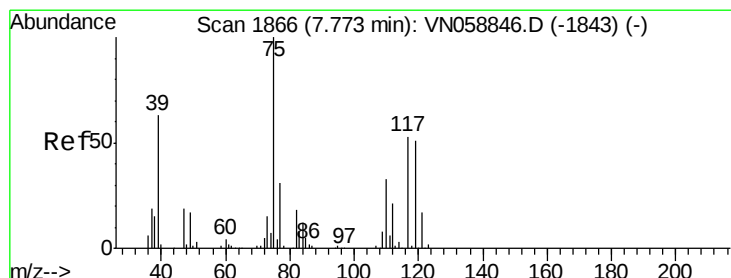
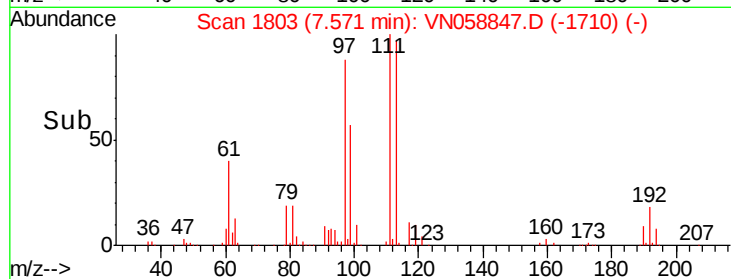
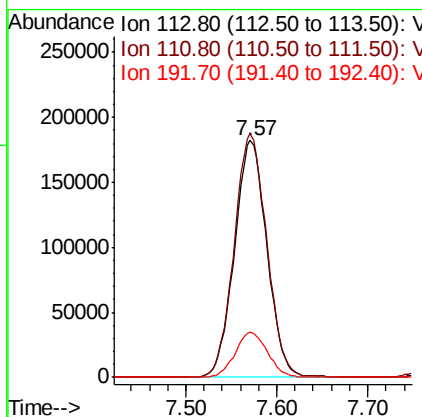
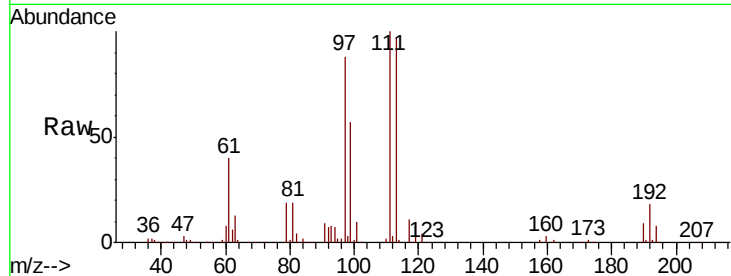




#35
 Dibromofluoromethane
 Concen: 103.785 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058847.D
 Acq: 18 Oct 2019 10:21

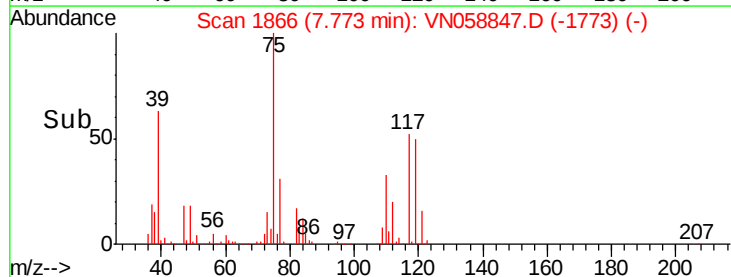
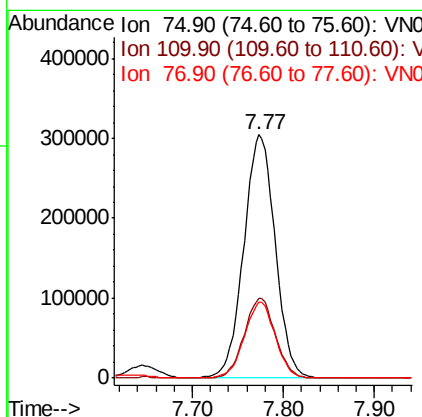
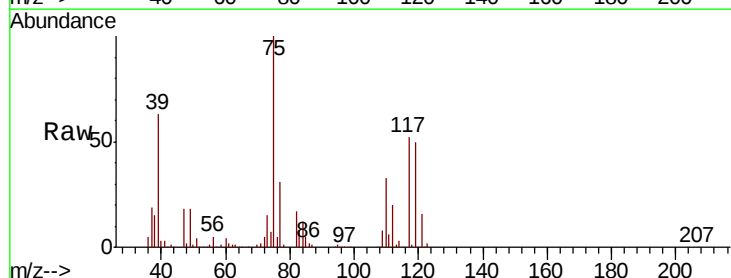
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

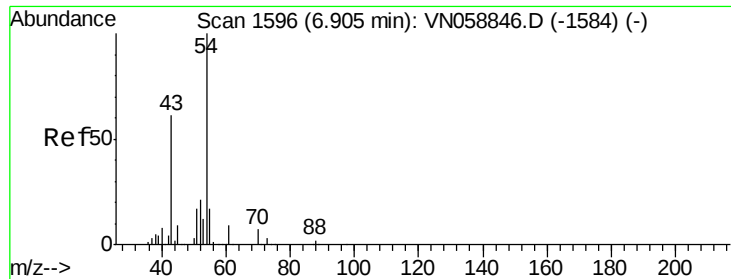
Tot Ion:113 Resp: 451552
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.0 123.0
 192 19.0 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 102.425 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058847.D
 Acq: 18 Oct 2019 10:21

Tgt Ion: 75 Resp: 728008
 Ion Ratio Lower Upper
 75 100
 110 32.5 16.3 48.9
 77 31.0 24.6 36.8

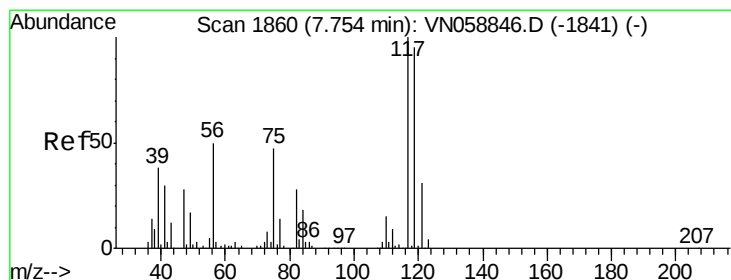
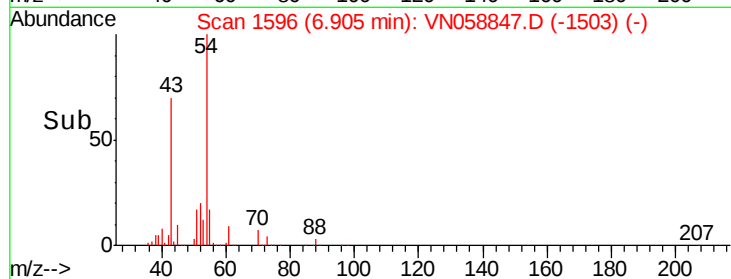
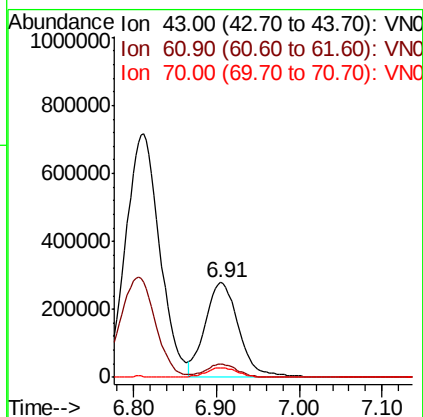
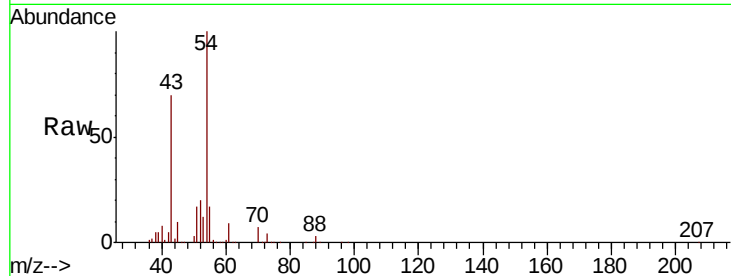




#37
Ethyl Acetate
Concen: 107.755 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

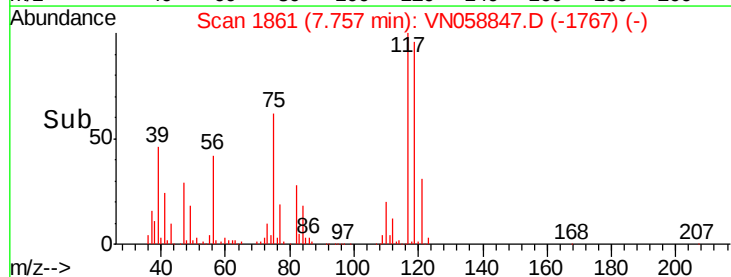
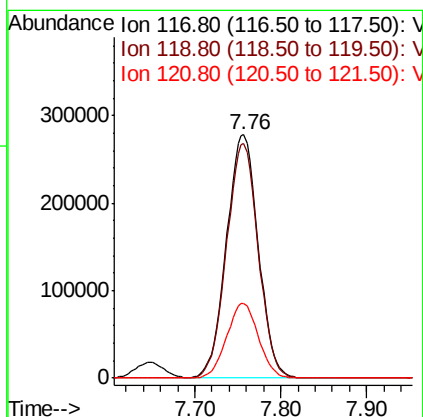
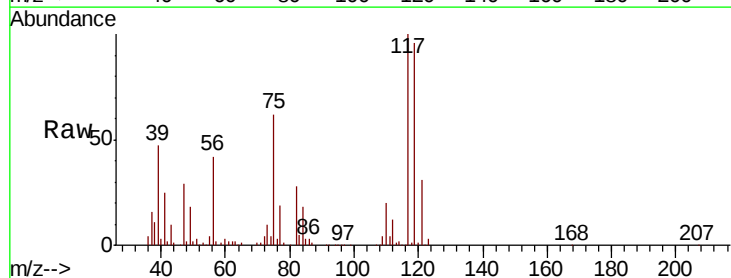
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

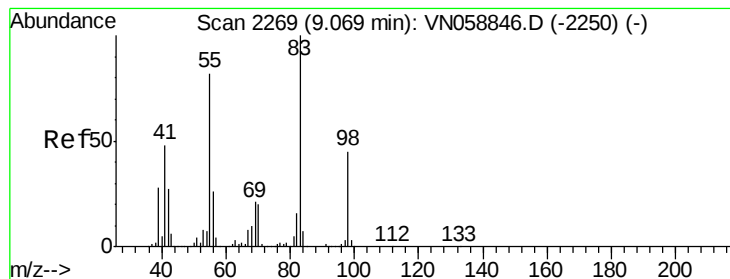
Tot Ion: 43 Resp: 783138
Ion Ratio Lower Upper
43 100
61 13.3 10.5 15.7
70 9.7 7.6 11.4



#38
Carbon Tetrachloride
Concen: 102.998 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

Tgt Ion: 117 Resp: 713325
Ion Ratio Lower Upper
117 100
119 96.3 75.7 113.5
121 30.7 25.0 37.6





#39

Methvlcvclohexane

Concen: 104.479 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

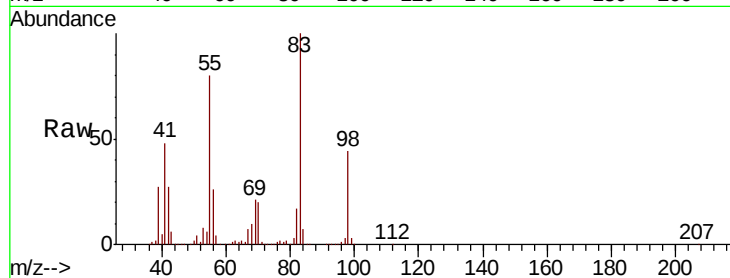
Tot Ion: 83 Resp: 857079

Ion Ratio Lower Upper

83 100

55 80.5 65.5 98.3

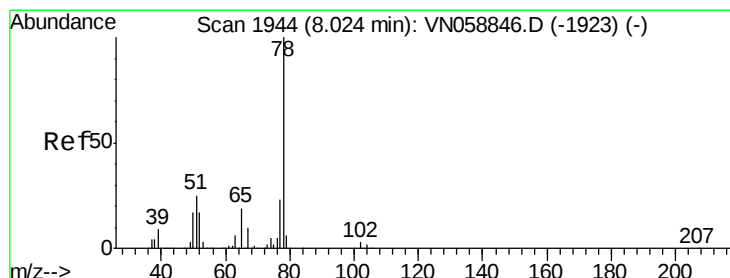
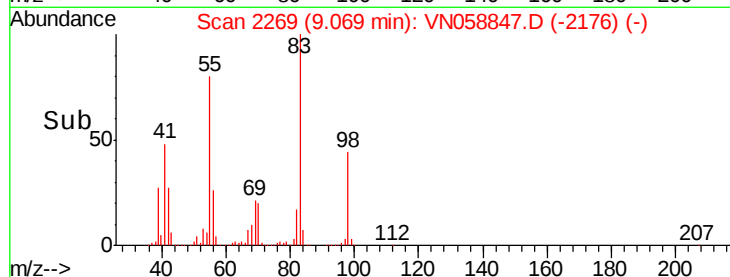
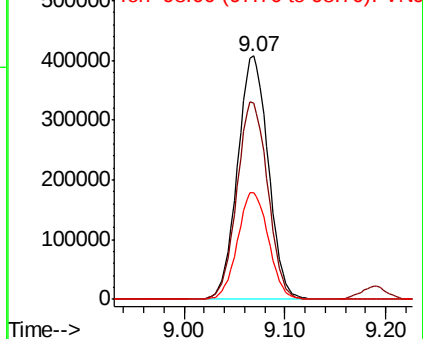
98 43.8 35.7 53.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 102.755 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN058847.D

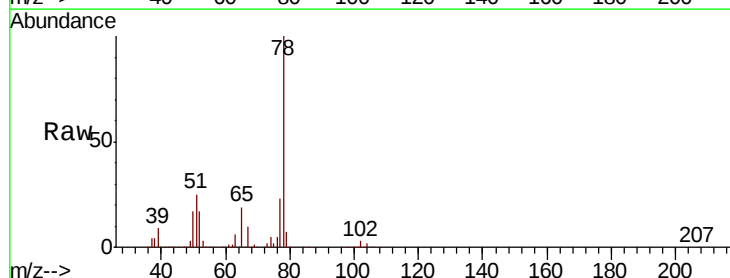
Acq: 18 Oct 2019 10:21

Tgt Ion: 78 Resp: 2102120

Ion Ratio Lower Upper

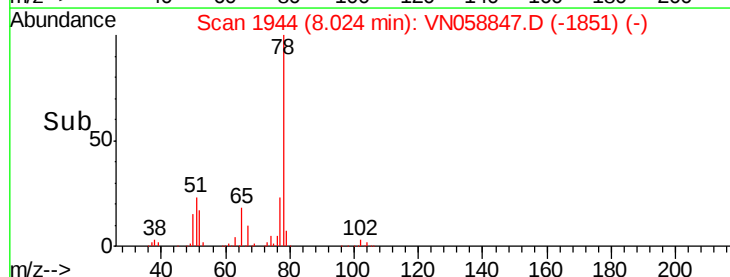
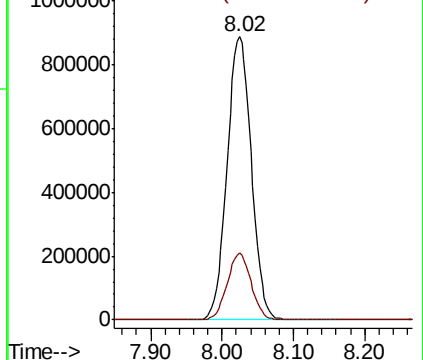
78 100

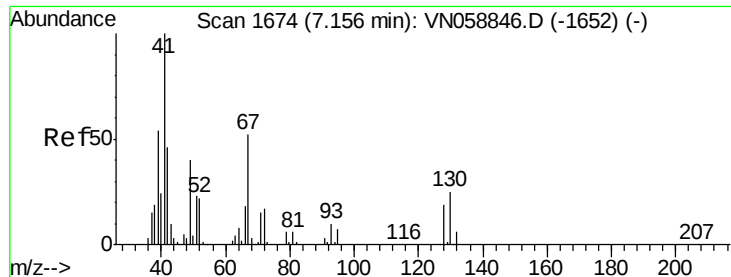
77 23.5 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



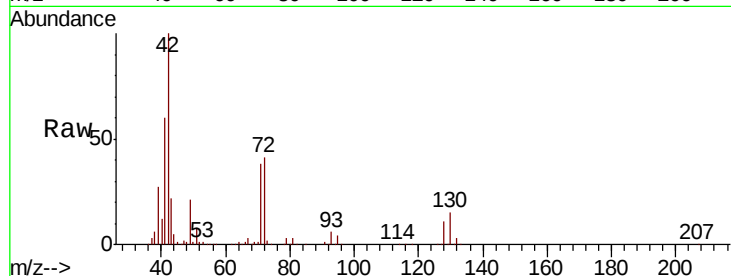


#41
Methacrylonitrile
Concen: 348.126 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 1148011

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



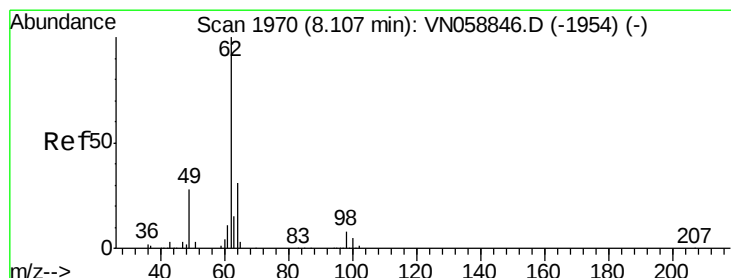
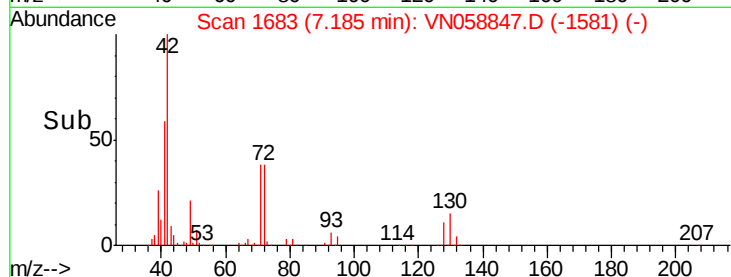
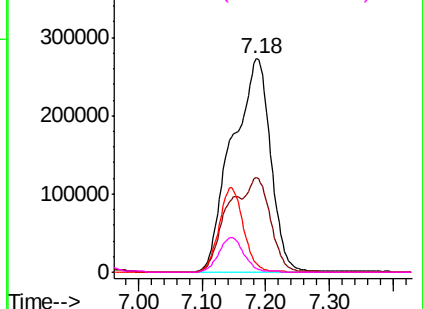
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

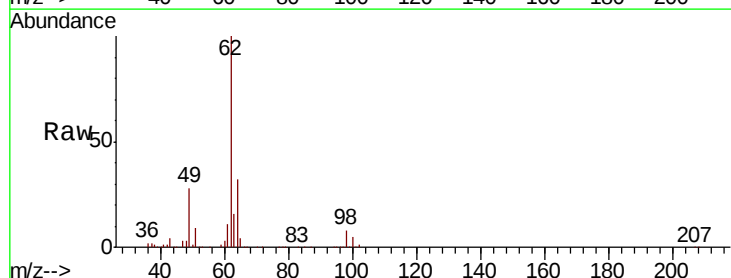
Ion 52.00 (51.70 to 52.70): VN0



#42
1,2-Dichloroethane
Concen: 99.791 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

Tgt Ion: 62 Resp: 783294

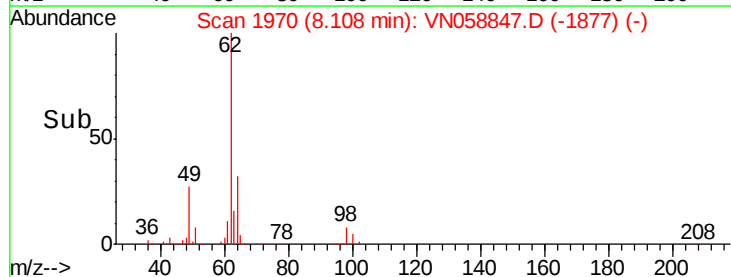
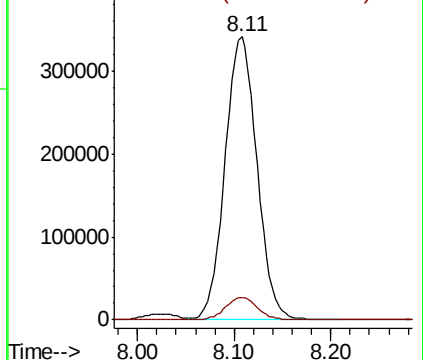
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2

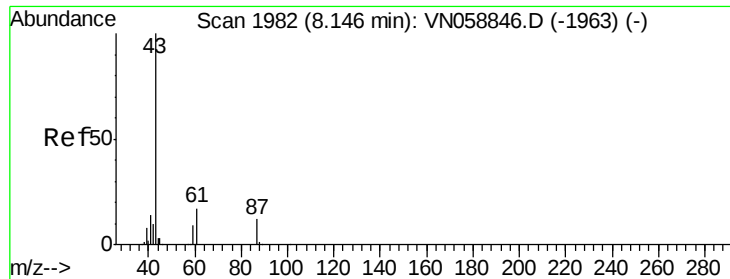


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 105.066 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

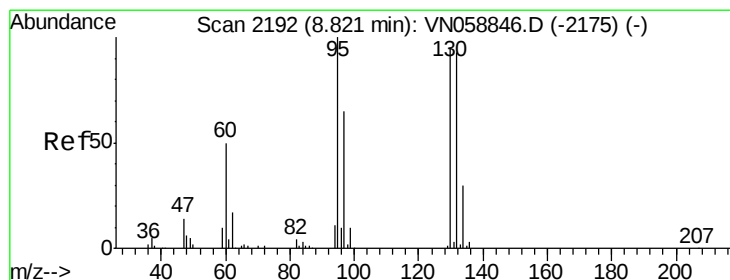
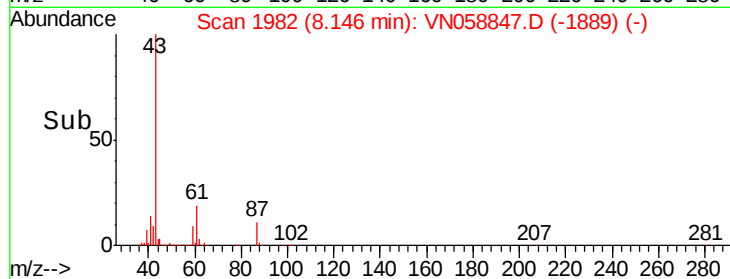
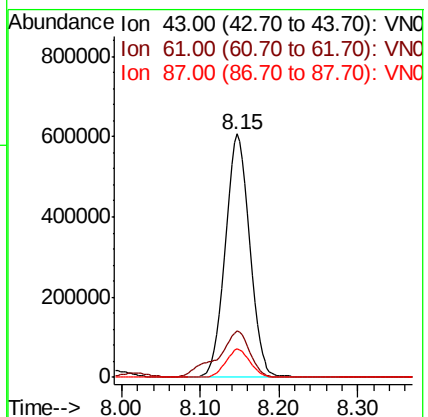
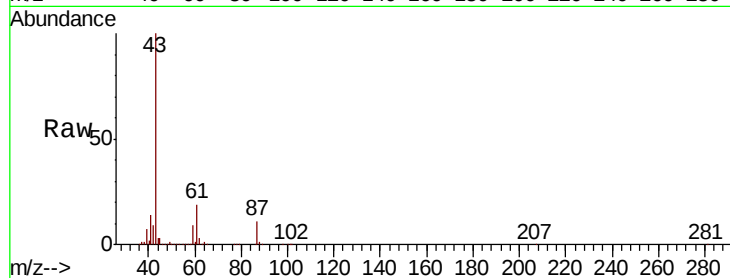
Tot Ion: 43 Resp: 1290723

Ion Ratio Lower Upper

43 100

61 25.1 20.2 30.2

87 11.7 9.5 14.3



#44

Trichloroethene

Concen: 100.690 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN058847.D

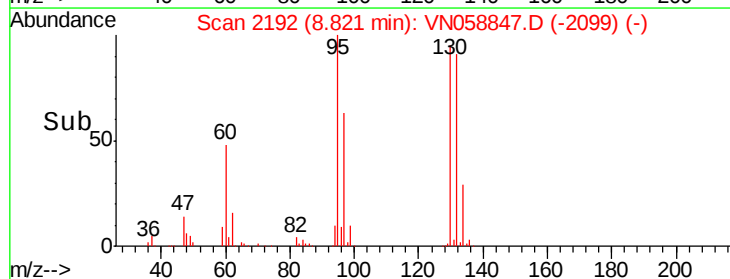
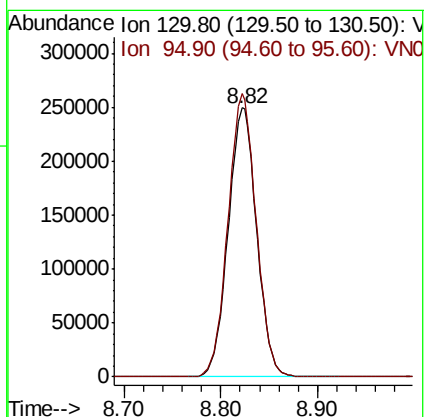
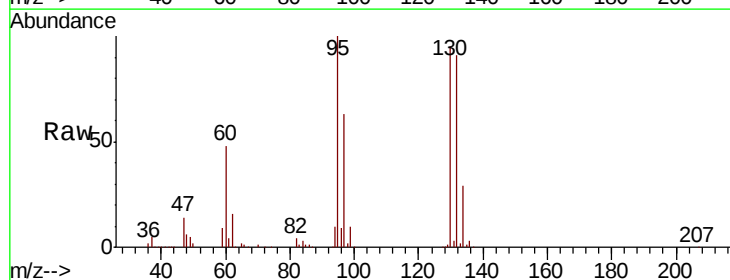
Acq: 18 Oct 2019 10:21

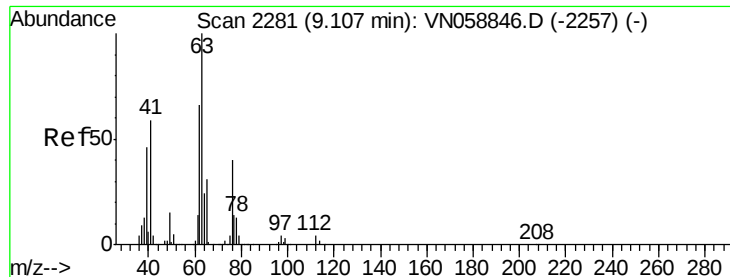
Tgt Ion:130 Resp: 508728

Ion Ratio Lower Upper

130 100

95 105.1 0.0 209.6

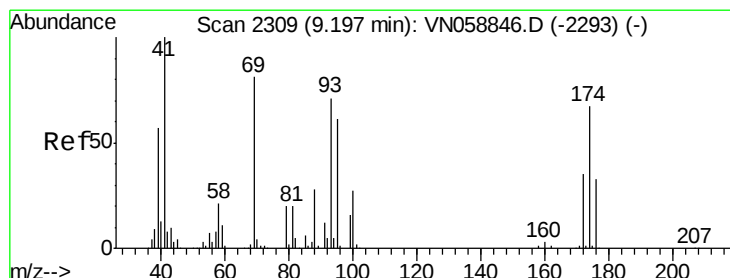
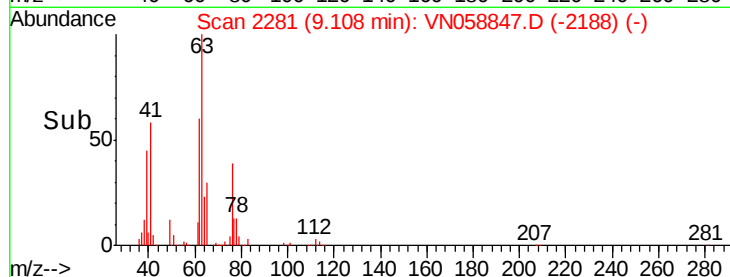
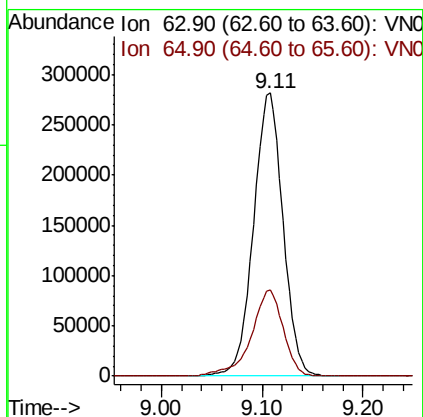
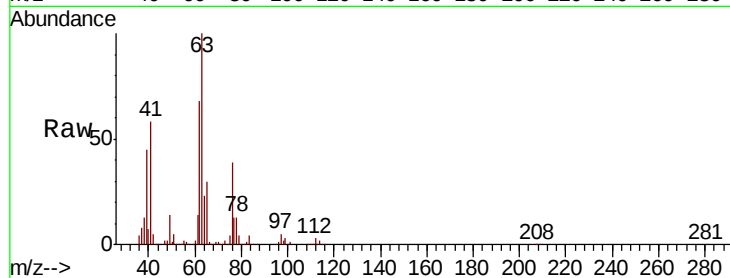




#45
 1,2-Dichloropropane
 Concen: 103.973 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058847.D
 Acq: 18 Oct 2019 10:21

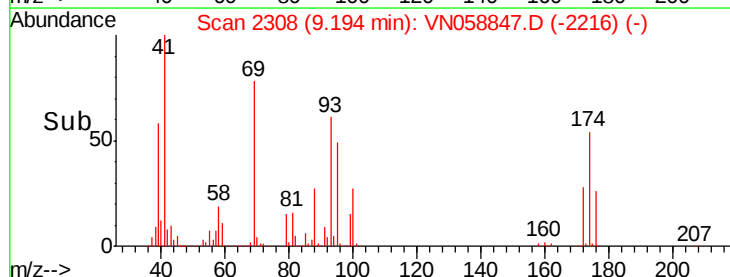
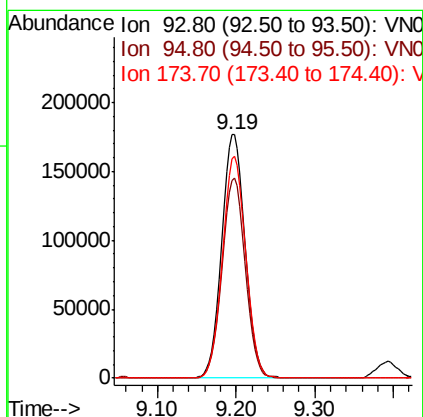
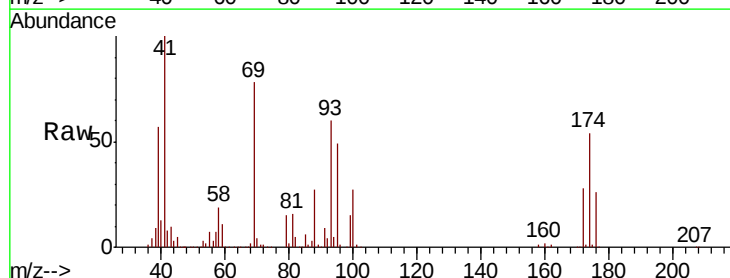
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

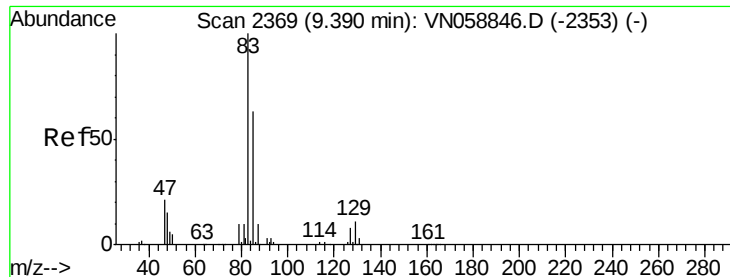
Tot Ion: 63 Resp: 570205
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.5 36.7



#46
 Dibromomethane
 Concen: 104.315 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN058847.D
 Acq: 18 Oct 2019 10:21

Tgt Ion: 93 Resp: 361462
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.6 101.4
 174 91.0 74.1 111.1





#47

Bromodichloromethane

Concen: 106.075 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

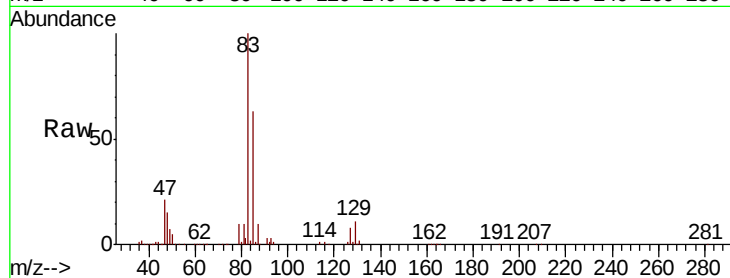
Tot Ion: 83 Resp: 750067

Ion Ratio Lower Upper

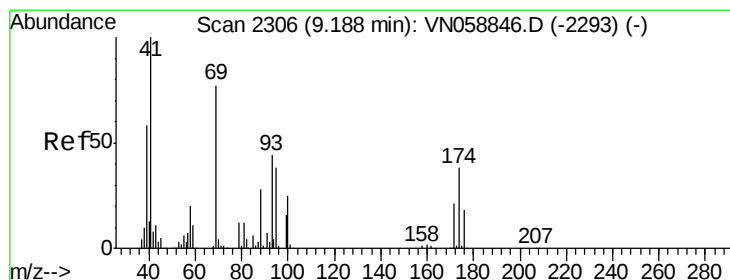
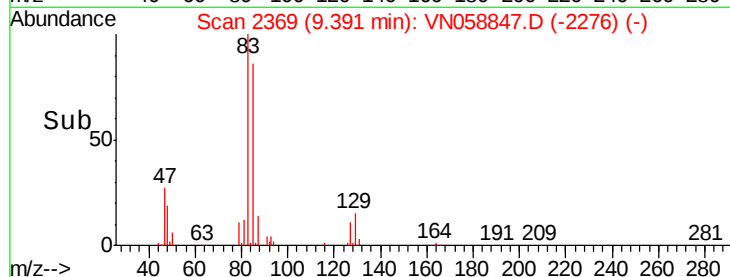
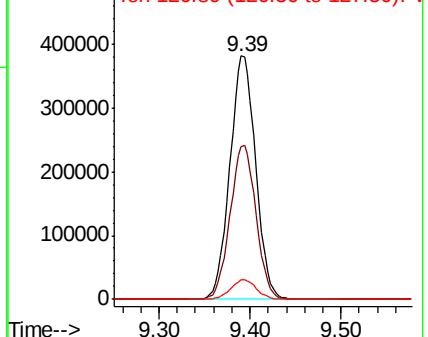
83 100

85 63.0 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: 109.003 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

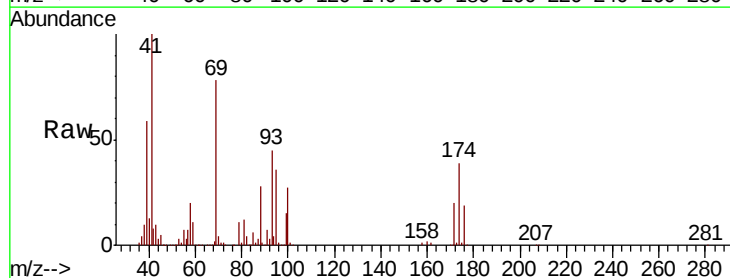
Tgt Ion: 41 Resp: 608753

Ion Ratio Lower Upper

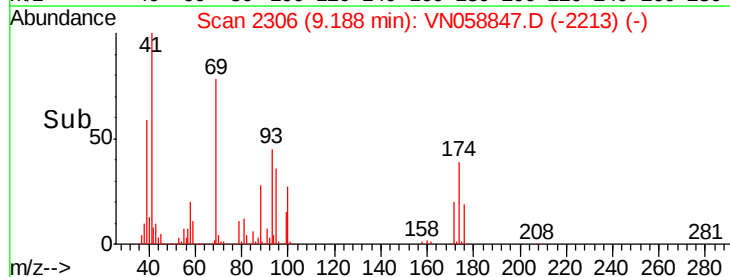
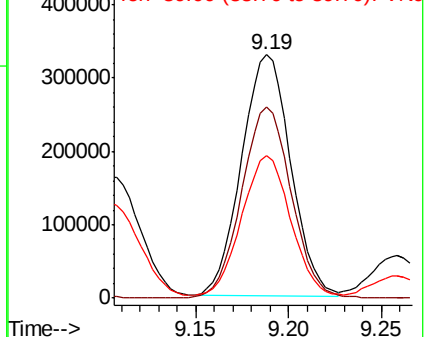
41 100

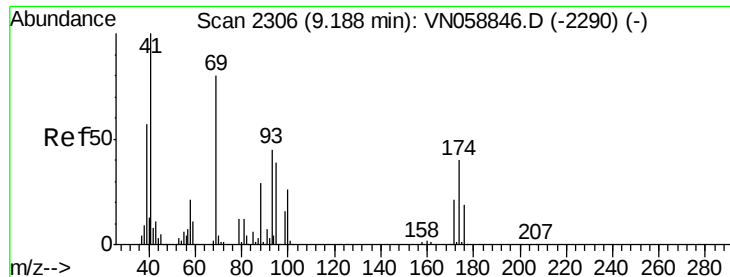
69 80.2 63.8 95.6

39 59.9 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: 2131.994 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

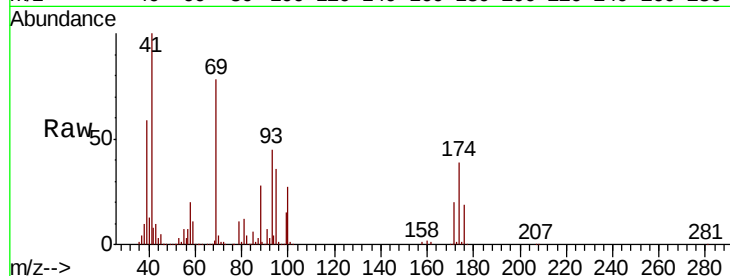
Tot Ion: 88 Resp: 185255

Ion Ratio Lower Upper

88 100

43 35.8 29.1 43.7

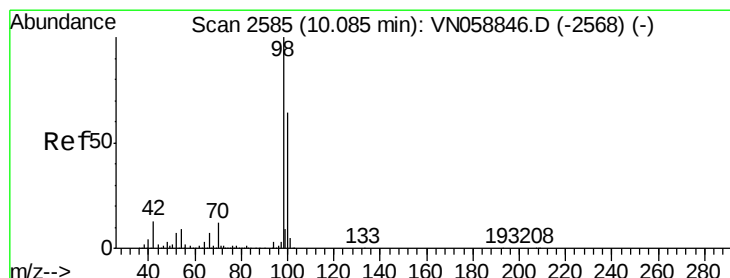
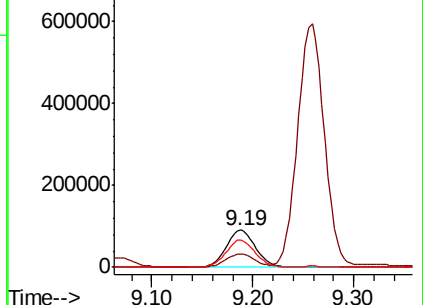
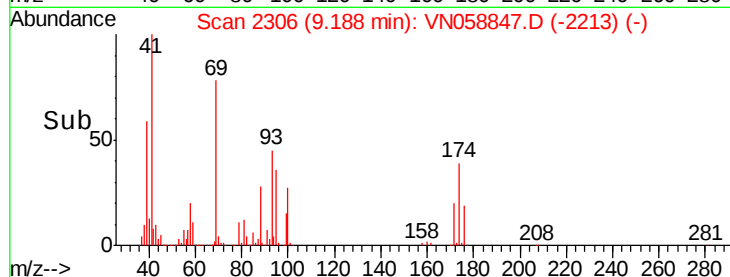
58 72.5 59.4 89.0



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: 104.801 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058847.D

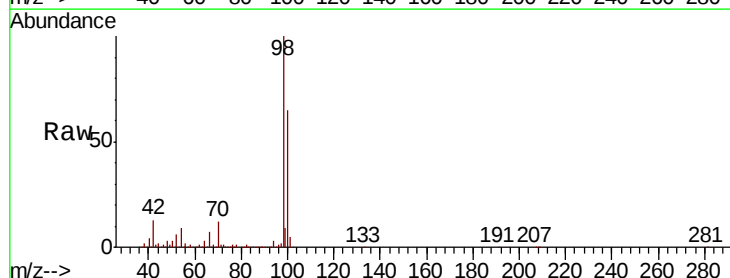
Acq: 18 Oct 2019 10:21

Tgt Ion: 98 Resp: 1815632

Ion Ratio Lower Upper

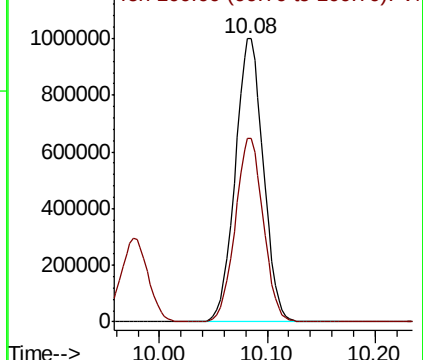
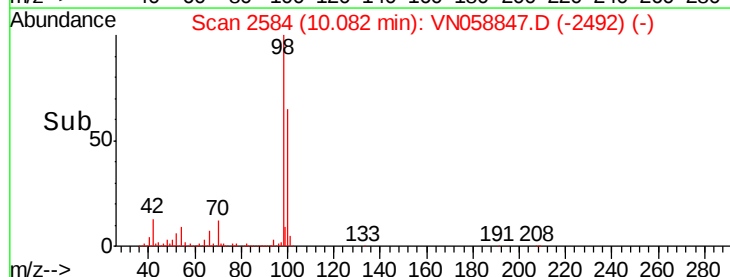
98 100

100 64.6 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: 536.158 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

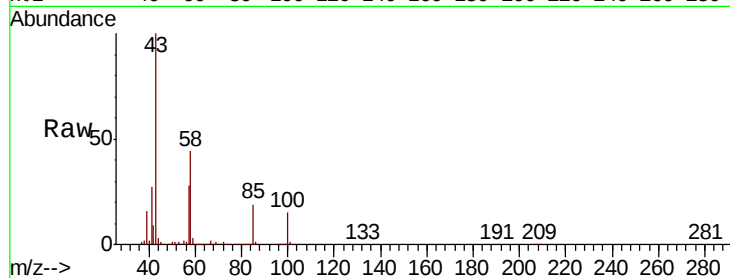
VSTDIC100

Tot Ion: 43 Resp: 3724135

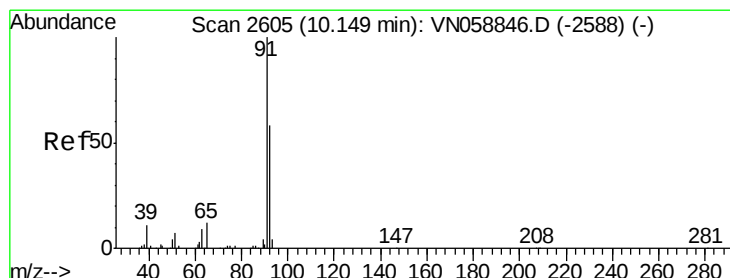
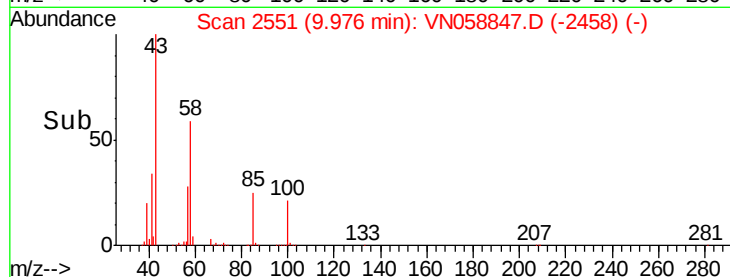
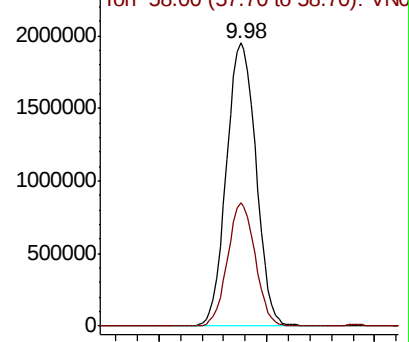
Ion Ratio Lower Upper

43 100

58 40.9 29.9 44.9



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



#52

Toluene

Concen: 104.614 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058847.D

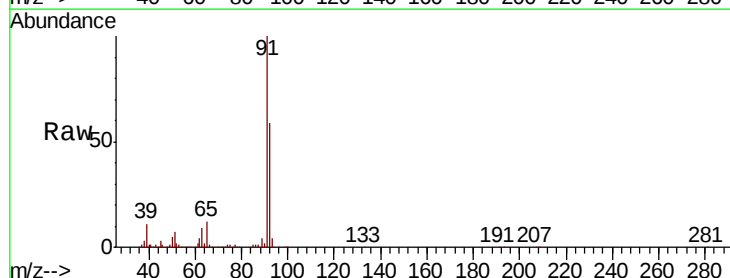
Acq: 18 Oct 2019 10:21

Tgt Ion: 92 Resp: 1306212

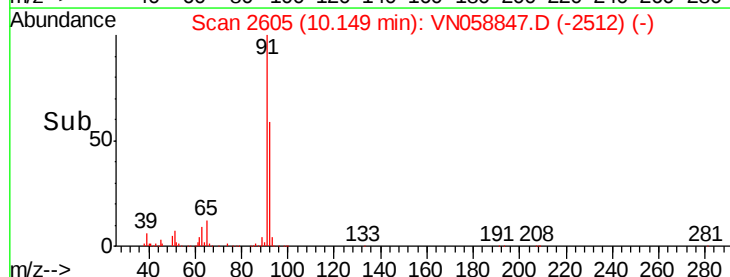
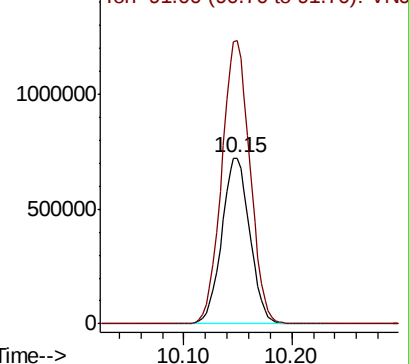
Ion Ratio Lower Upper

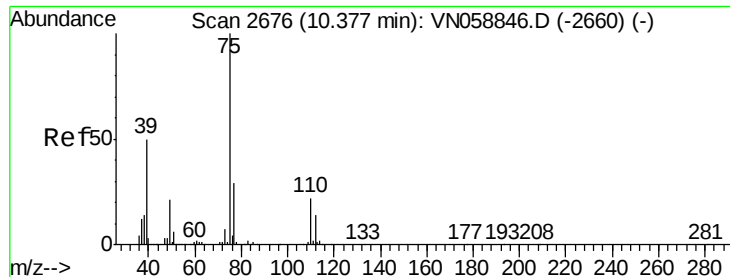
92 100

91 172.1 138.9 208.3



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





#53

t-1,3-Dichloropropene

Concen: 108.428 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampled :

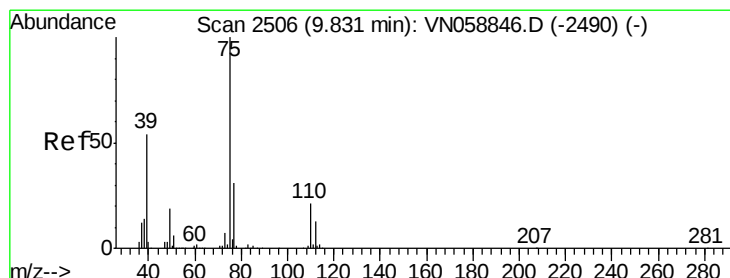
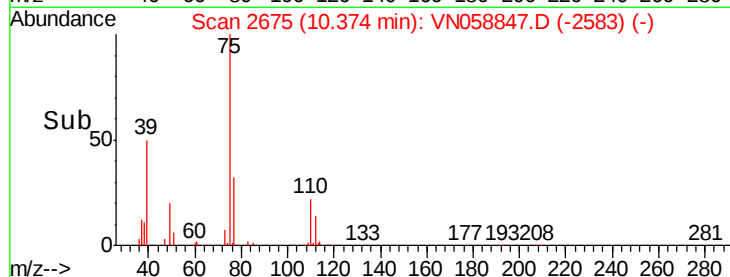
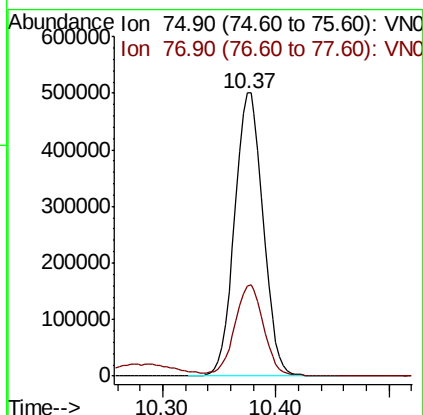
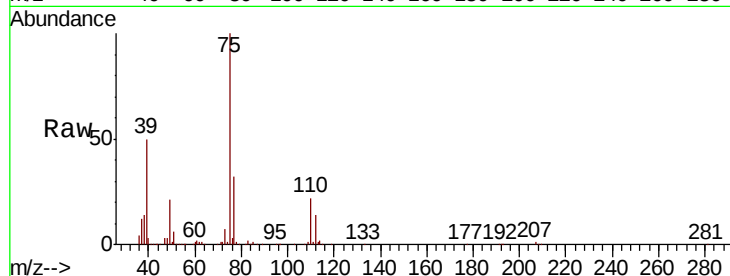
VSTDIC100

Tot Ion: 75 Resp: 878699

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 107.457 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

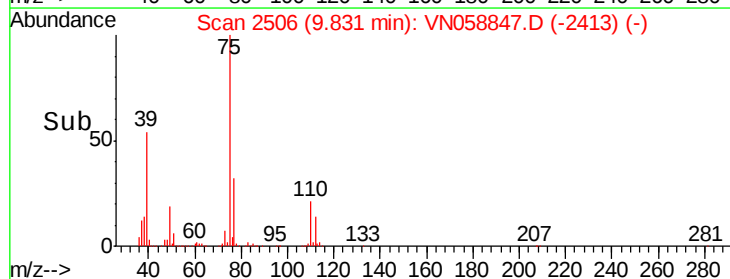
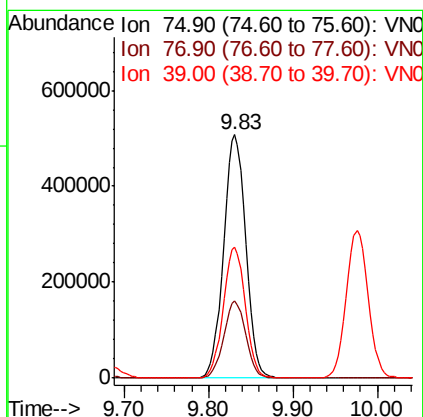
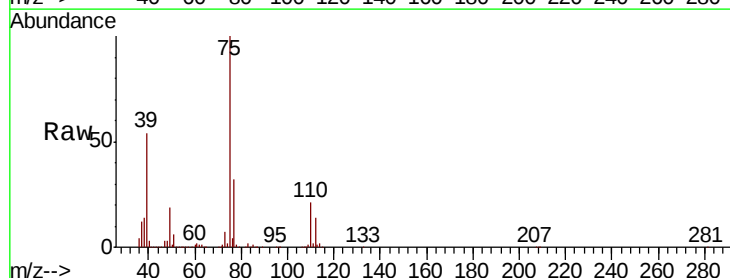
Tgt Ion: 75 Resp: 925980

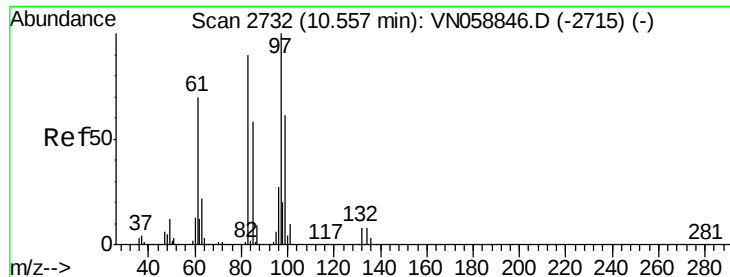
Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1

39 53.8 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 98.457 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 503478

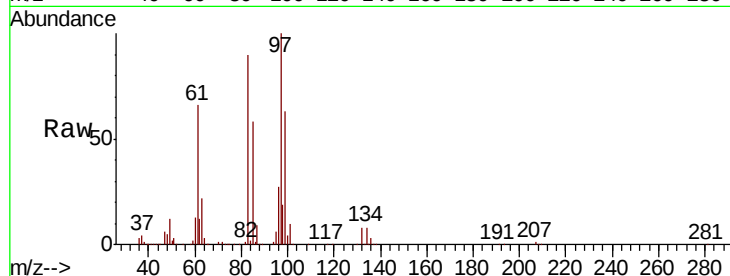
Ion Ratio Lower Upper

97 100

83 89.9 72.2 108.4

85 58.2 46.2 69.2

99 63.1 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

400000

300000

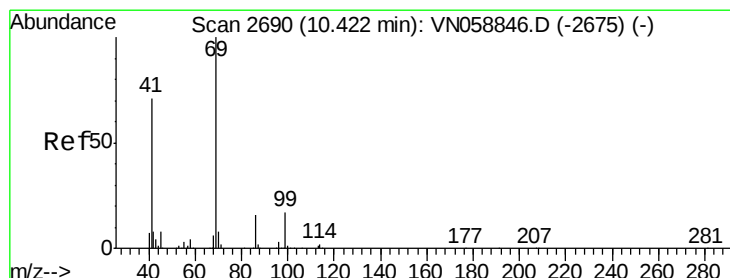
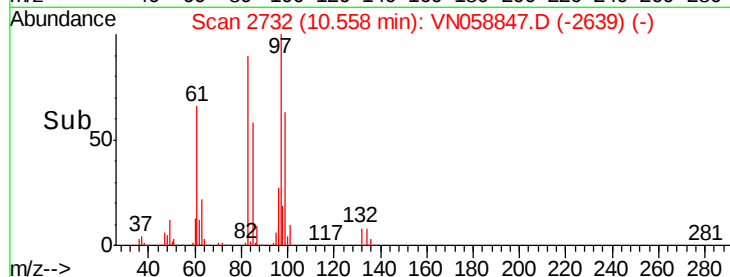
200000

100000

0

10.50 10.55 10.60

Time-->



#56

Ethyl methacrylate

Concen: 114.485 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

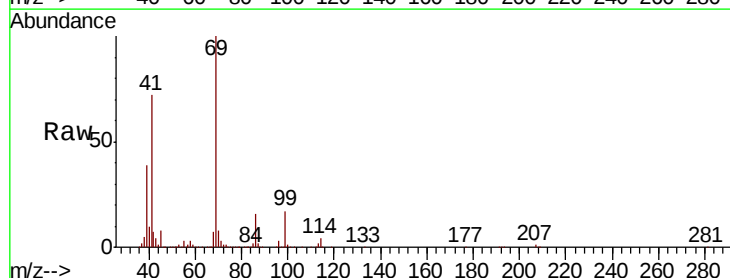
Tgt Ion: 69 Resp: 855317

Ion Ratio Lower Upper

69 100

41 71.3 57.2 85.8

39 38.9 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

600000

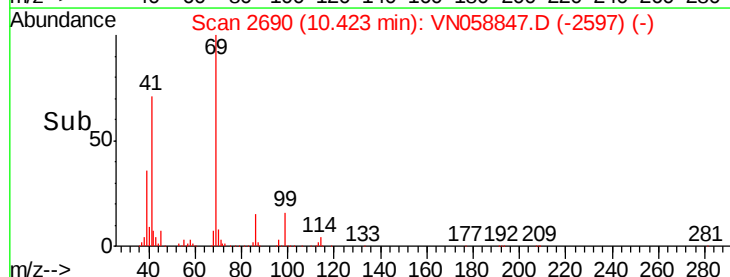
400000

200000

0

10.30 10.40 10.50

Time-->





#57

1,3-Dichloropropane

Concen: 103.445 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

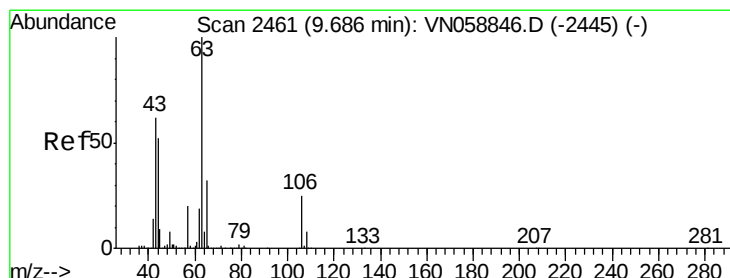
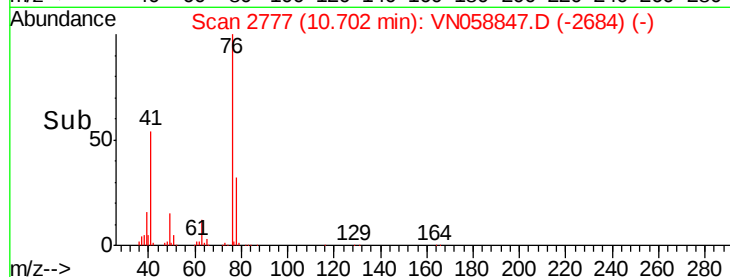
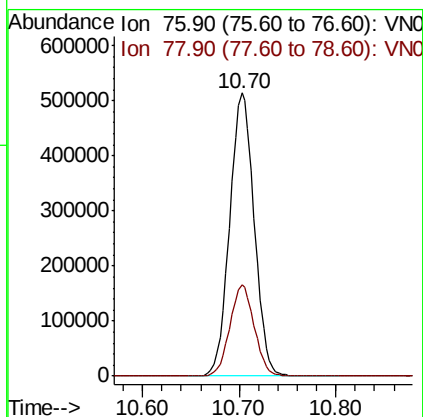
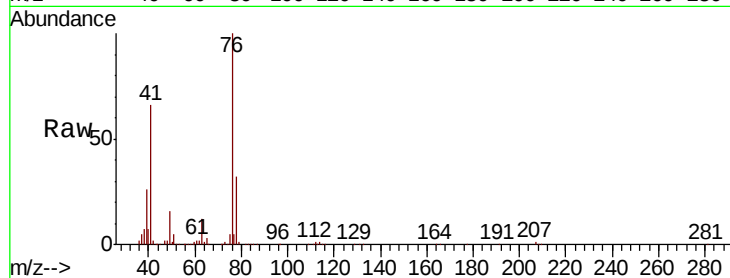
VSTDIC100

Tot Ion: 76 Resp: 903327

Ion Ratio Lower Upper

76 100

78 32.1 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 519.910 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058847.D

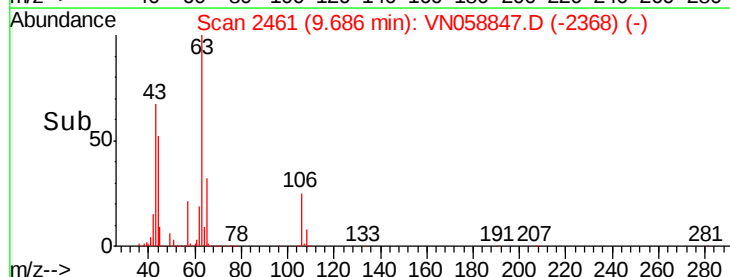
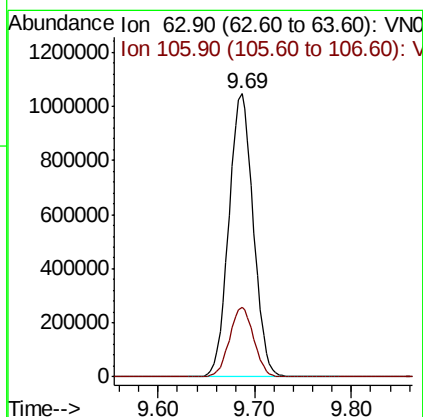
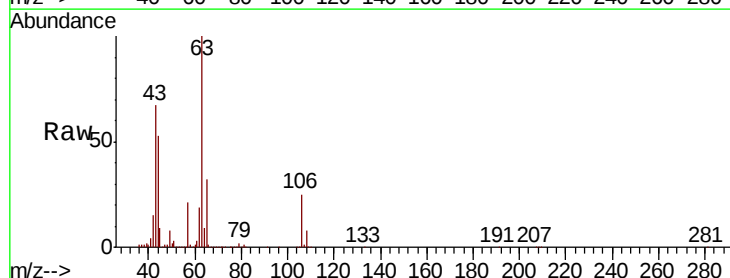
Acq: 18 Oct 2019 10:21

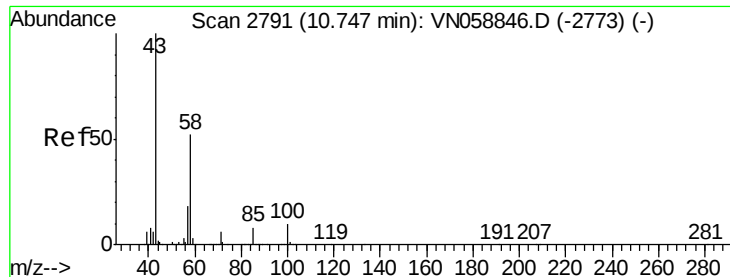
Tgt Ion: 63 Resp: 1837095

Ion Ratio Lower Upper

63 100

106 24.4 19.8 29.8

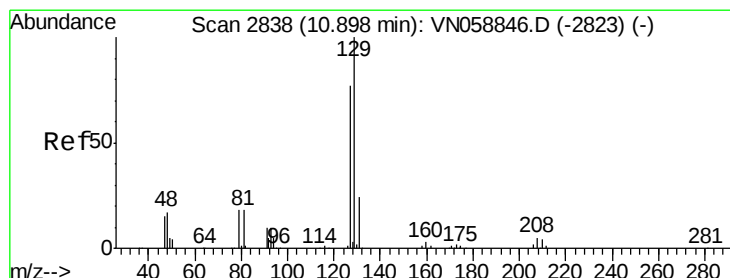
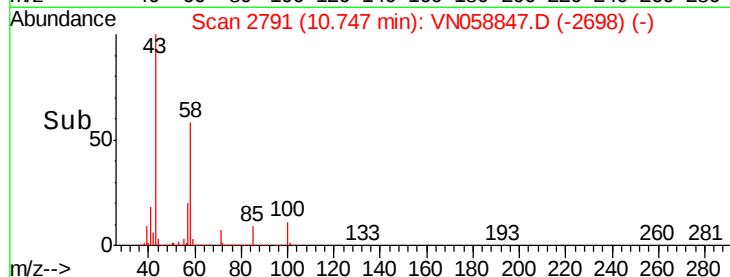
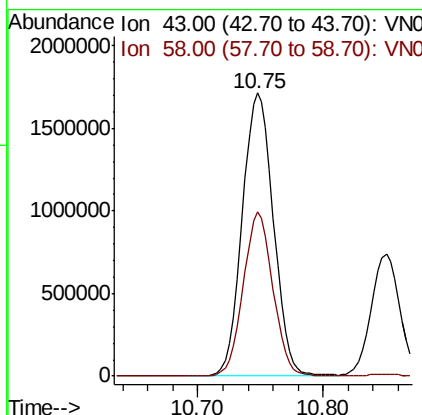
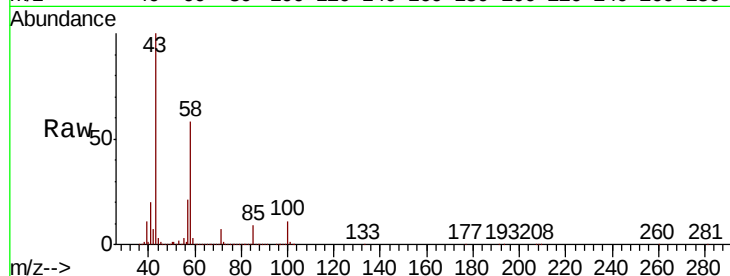




#59
2-Hexanone
Concen: 549.728 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

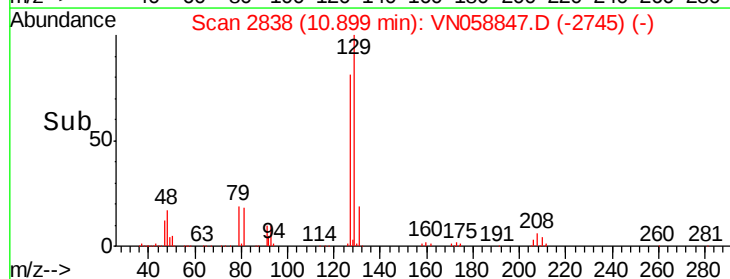
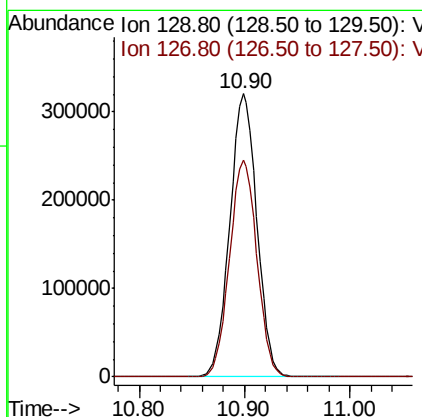
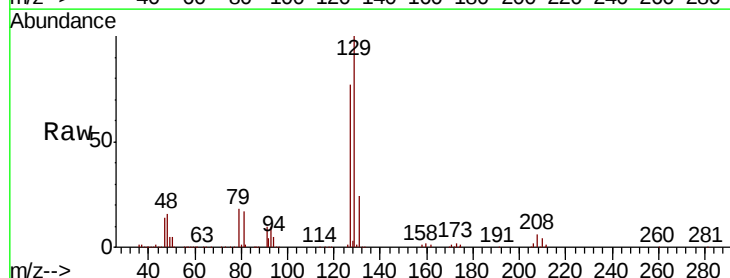
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

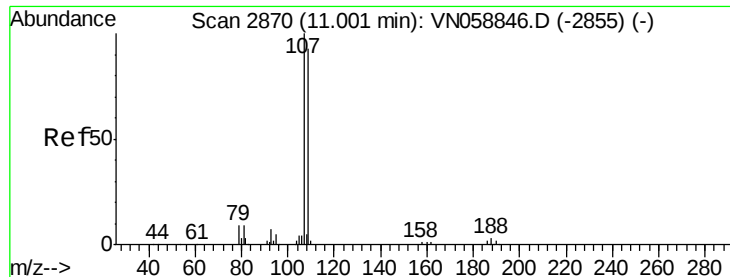
Tot Ion: 43 Resp: 2959966
Ion Ratio Lower Upper
43 100
58 55.2 25.9 77.7



#60
Dibromochloromethane
Concen: 107.777 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

Tgt Ion: 129 Resp: 569059
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.3





#61

1,2-Dibromoethane

Concen: 104.537 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

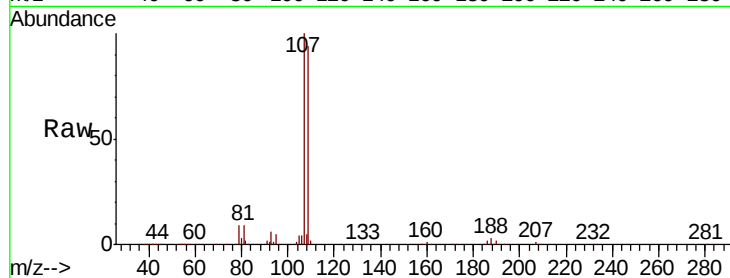
VSTDIC100

Tot Ion:107 Resp: 535860

Ion Ratio Lower Upper

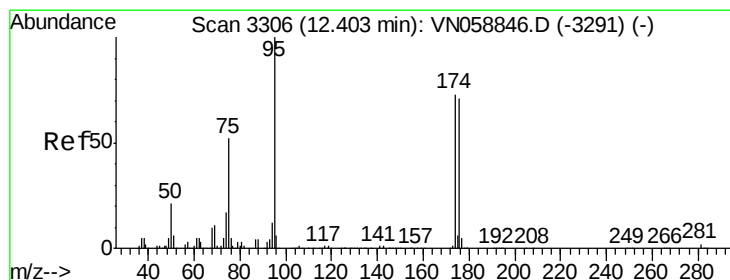
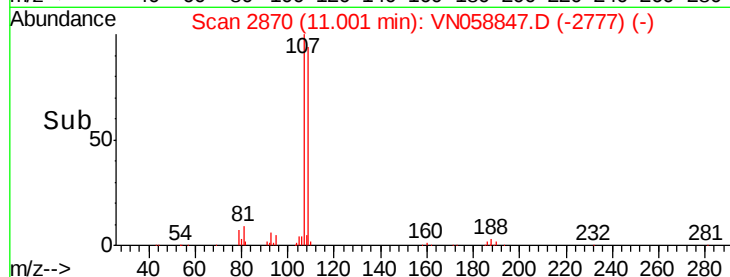
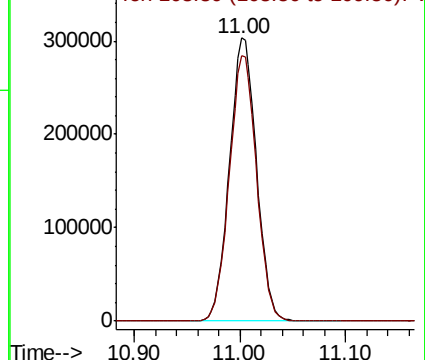
107 100

109 94.4 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: 107.149 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

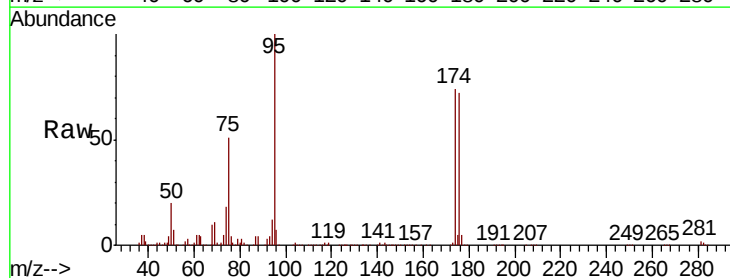
Tgt Ion: 95 Resp: 698828

Ion Ratio Lower Upper

95 100

174 74.8 0.0 147.6

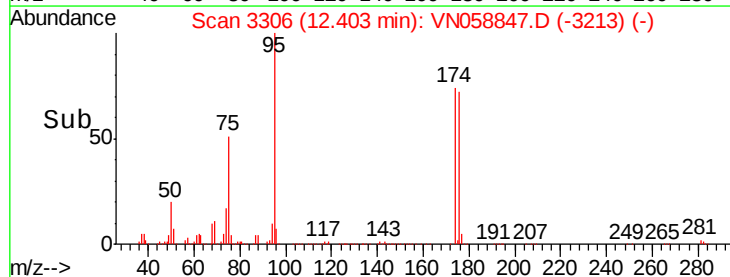
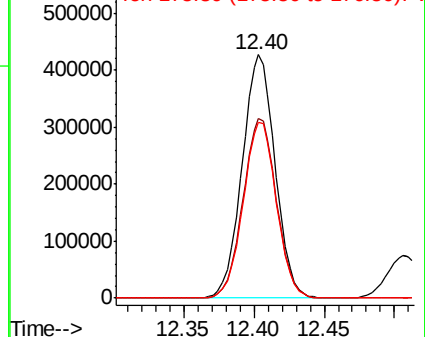
176 72.9 0.0 143.2



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: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

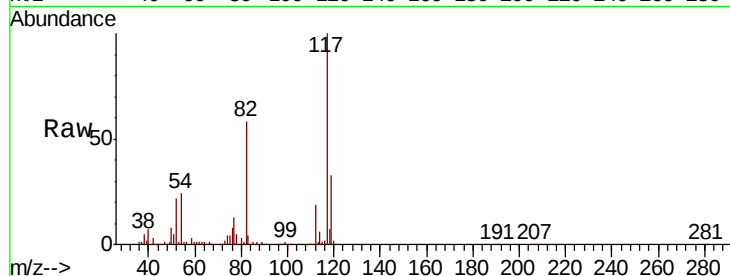
Tot Ion:117 Resp: 662723

Ion Ratio Lower Upper

117 100

82 58.3 46.6 69.8

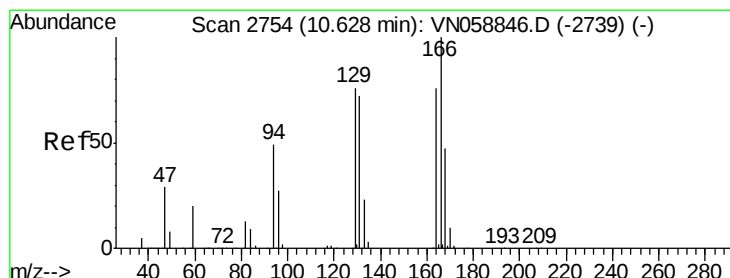
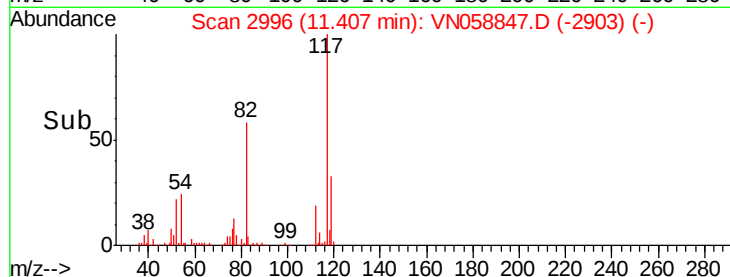
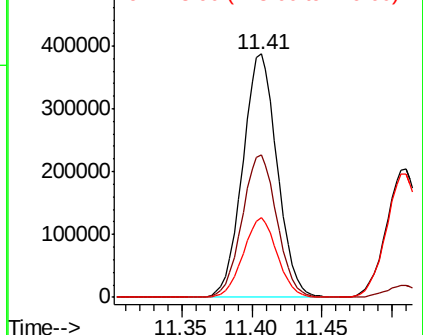
119 32.5 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 96.071 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Tgt Ion:164 Resp: 448181

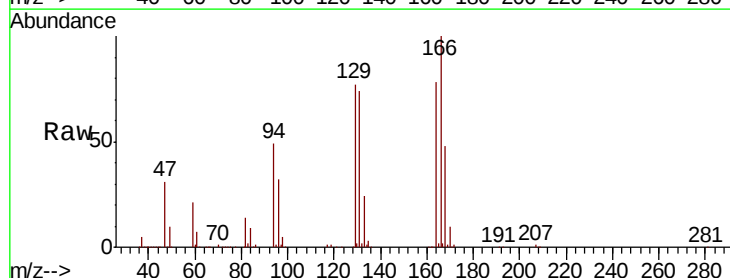
Ion Ratio Lower Upper

164 100

166 128.4 104.8 157.2

129 99.1 79.3 118.9

131 95.3 75.8 113.6

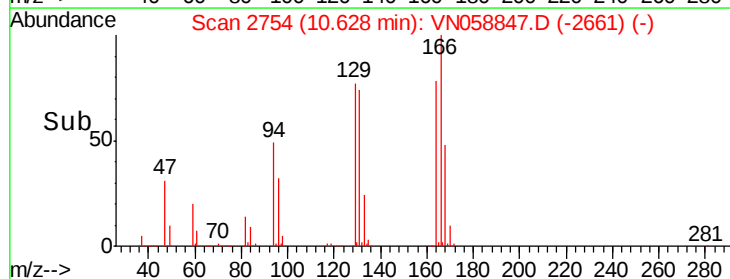
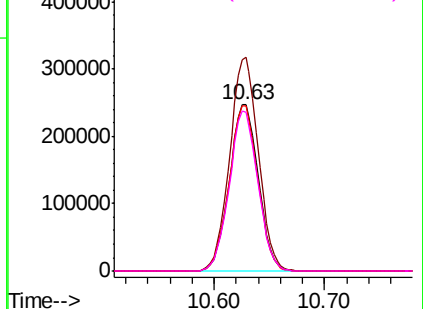


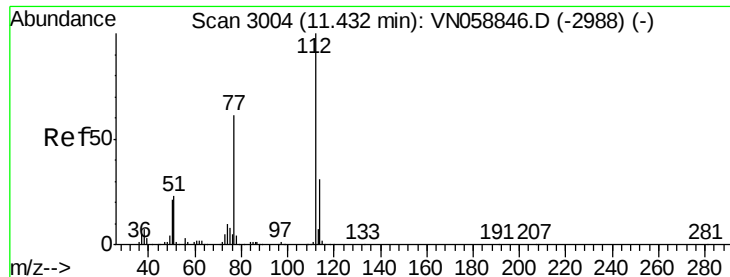
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 101.015 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

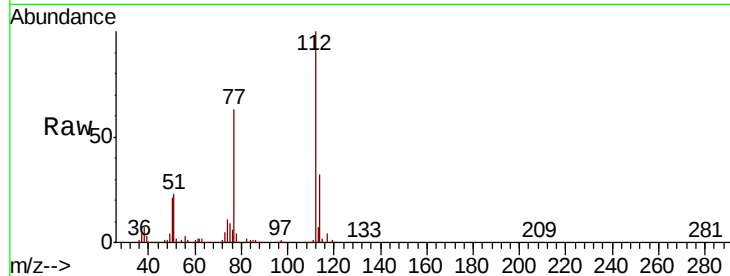
VSTDIC100

Tot Ion:112 Resp: 1367478

Ion Ratio Lower Upper

112 100

114 31.6 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

800000

600000

400000

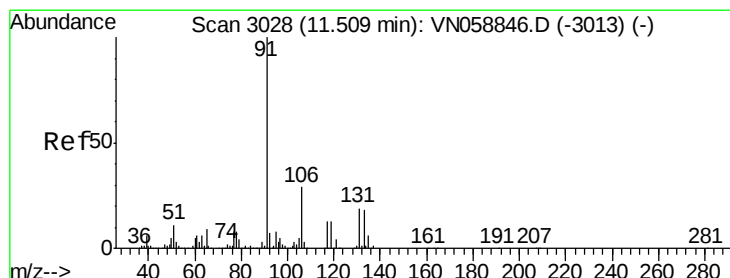
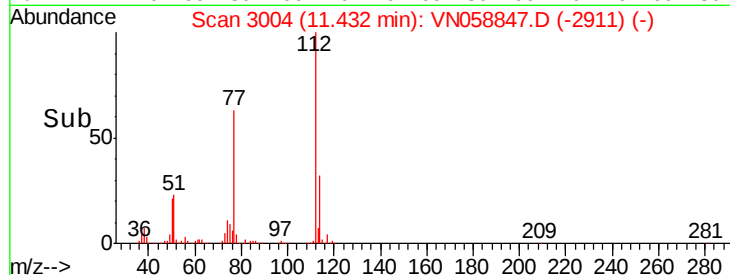
200000

0

11.43

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 101.679 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

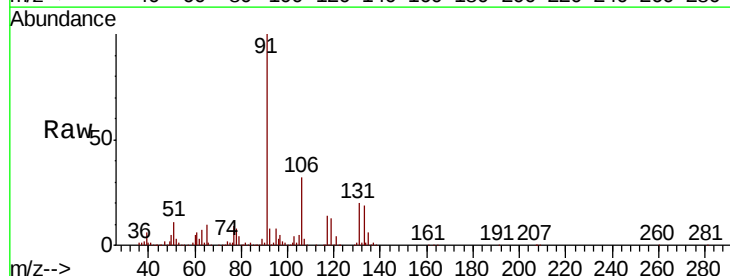
Tgt Ion:131 Resp: 509452

Ion Ratio Lower Upper

131 100

133 95.3 48.4 145.2

119 66.8 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

400000

300000

200000

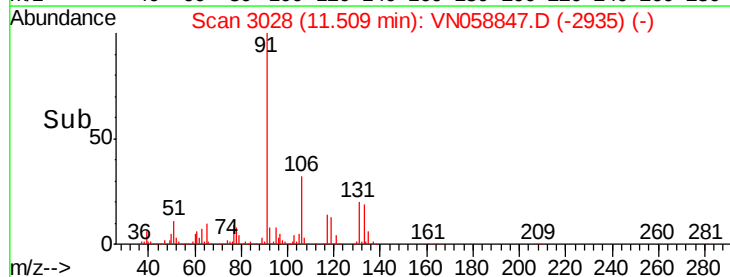
100000

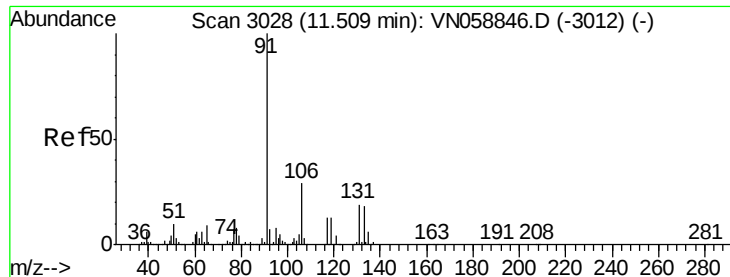
0

11.51

11.45 11.55 11.60

Time-->





#67

Ethyl Benzene

Concen: 103.546 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

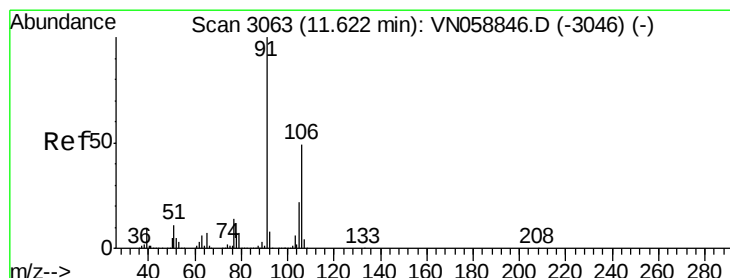
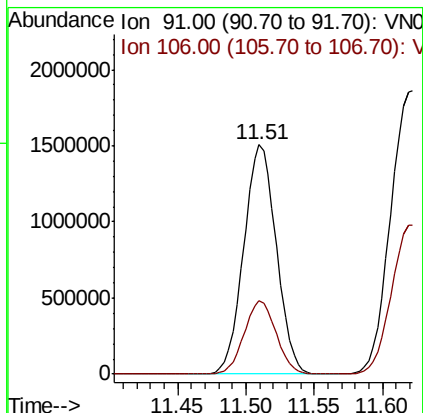
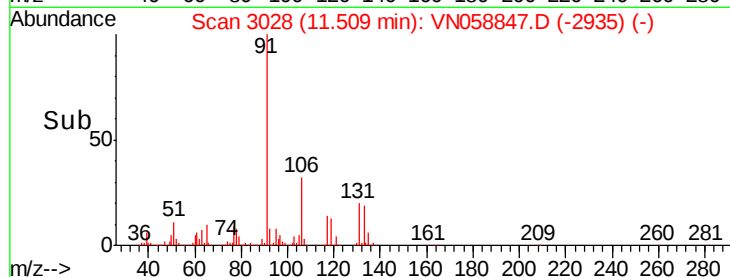
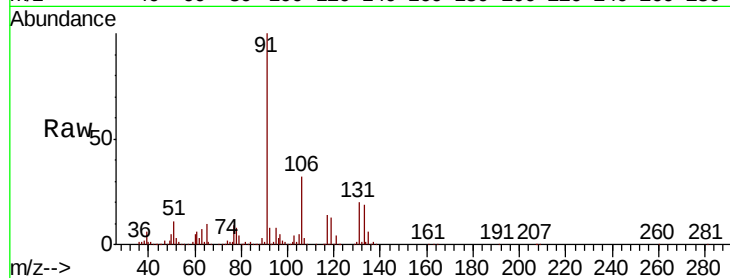
VSTDIC100

Tot Ion: 91 Resp: 2498052

Ion Ratio Lower Upper

91 100

106 31.8 23.4 35.0



#68

m/p-Xylenes

Concen: 210.687 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058847.D

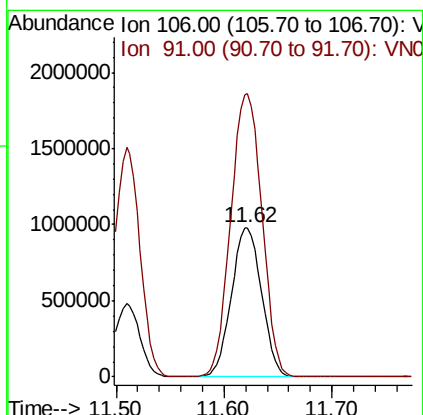
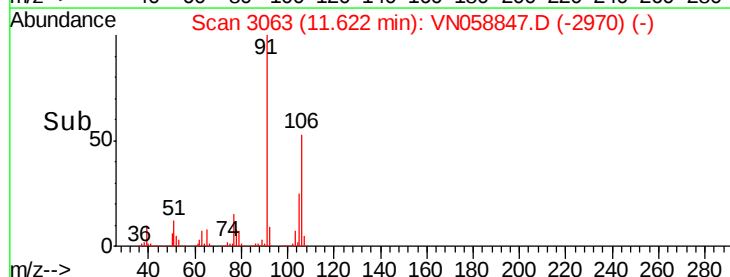
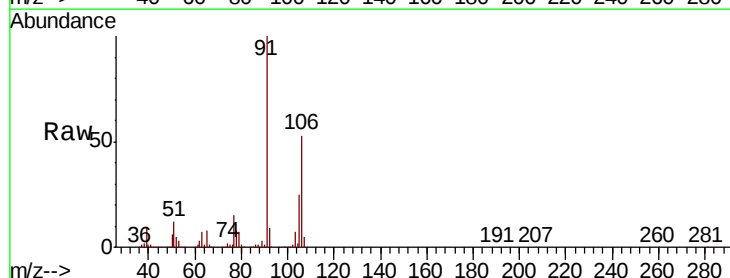
Acq: 18 Oct 2019 10:21

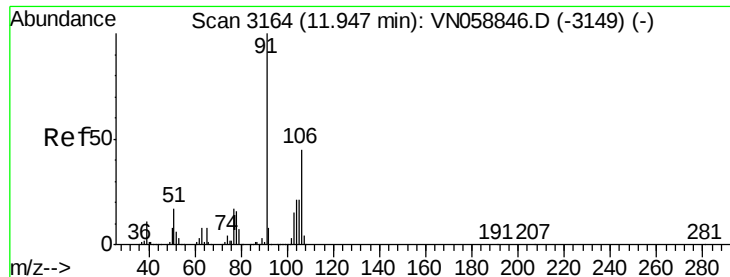
Tgt Ion: 106 Resp: 1906807

Ion Ratio Lower Upper

106 100

91 196.7 166.6 249.8





#69

o-Xylene

Concen: 103.259 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

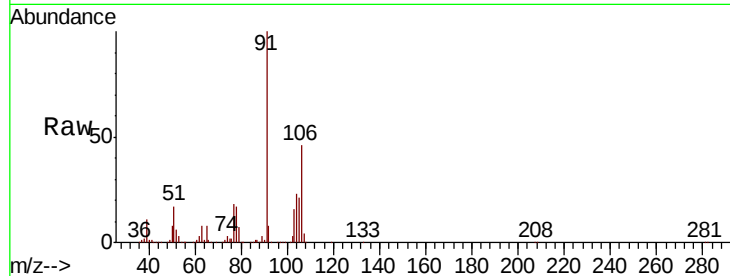
VSTDIC100

Tot Ion:106 Resp: 903156

Ion Ratio Lower Upper

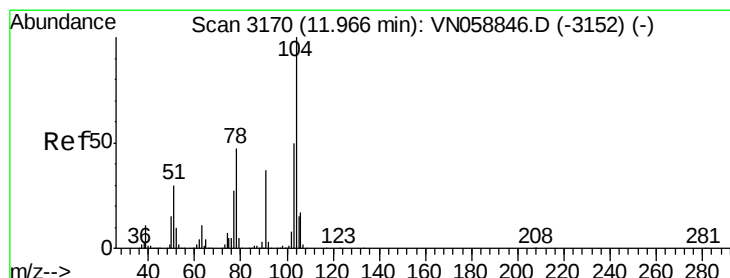
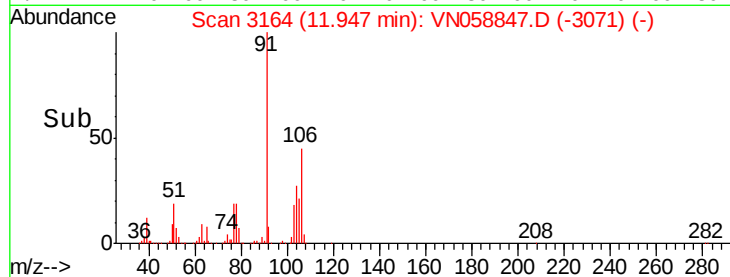
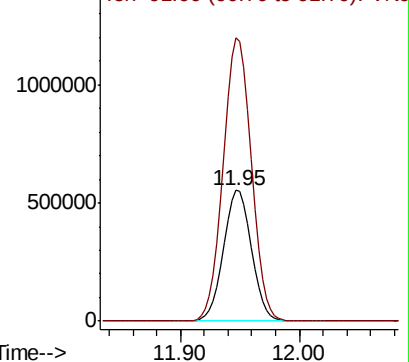
106 100

91 218.5 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 108.459 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

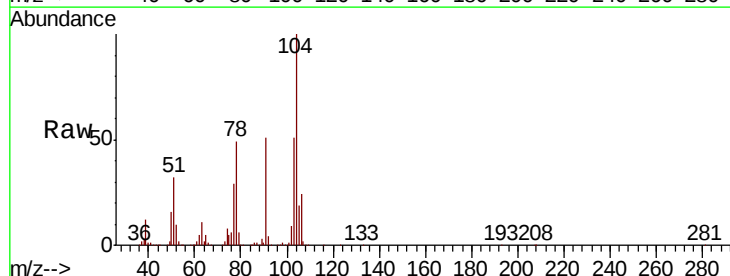
Tgt Ion:104 Resp: 1554020

Ion Ratio Lower Upper

104 100

78 53.2 42.8 64.2

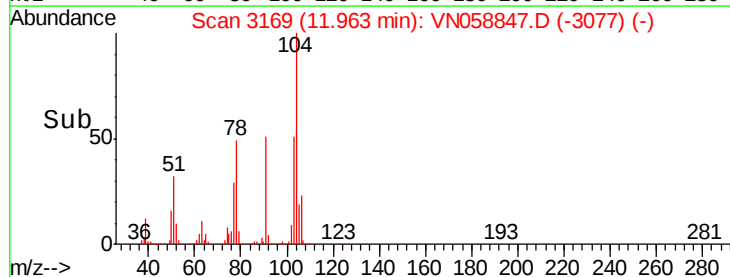
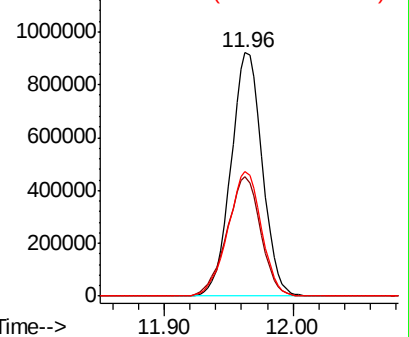
103 54.8 44.3 66.5

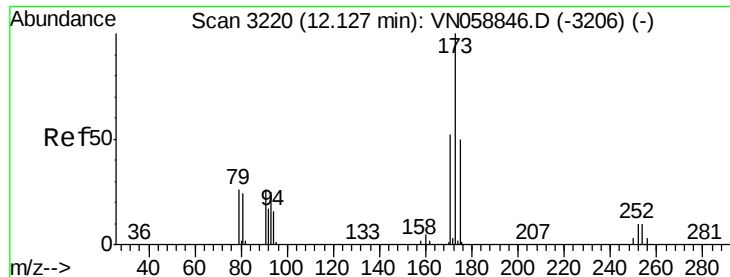


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 111.717 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

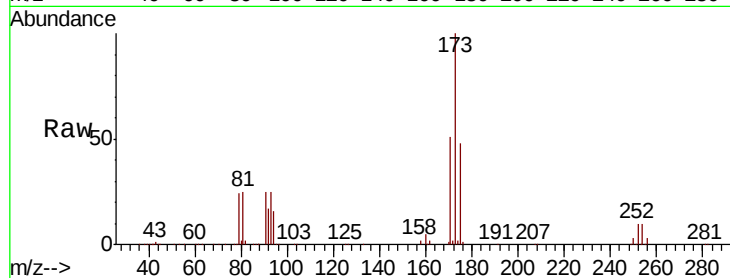
Tot Ion:173 Resp: 413044

Ion Ratio Lower Upper

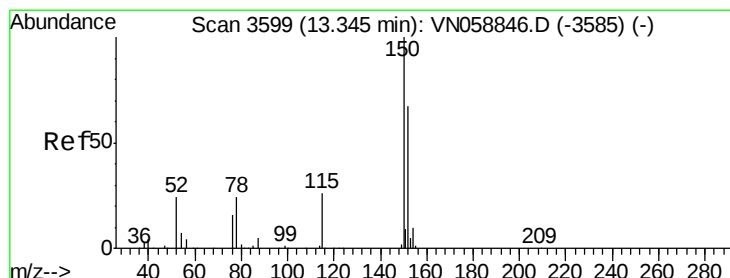
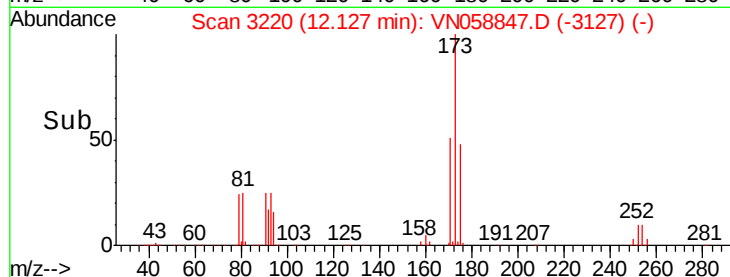
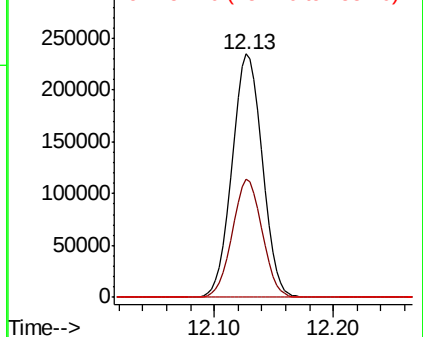
173 100

175 47.9 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# 3599

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

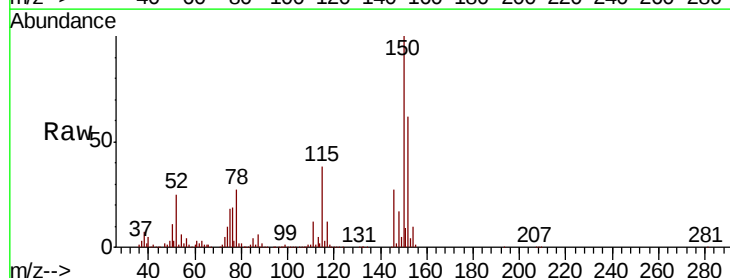
Tgt Ion:152 Resp: 332372

Ion Ratio Lower Upper

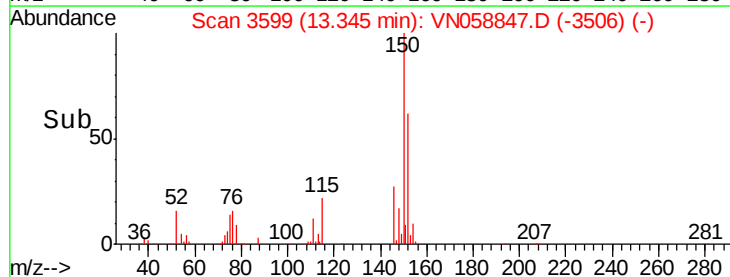
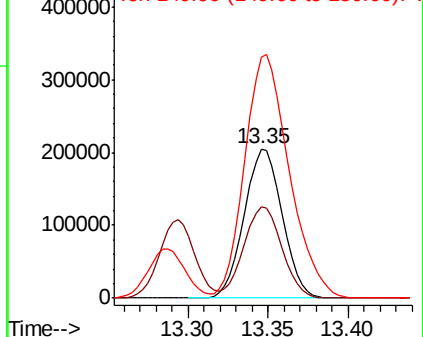
152 100

115 61.0 30.5 91.5

150 191.7 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: 100.774 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

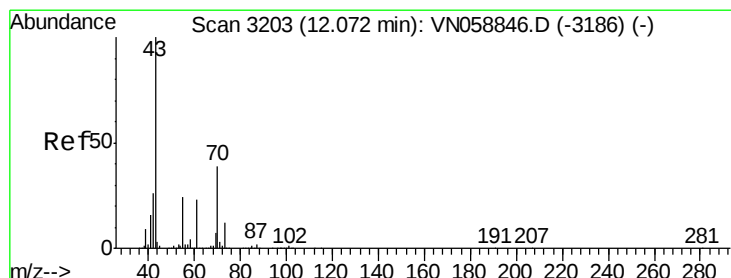
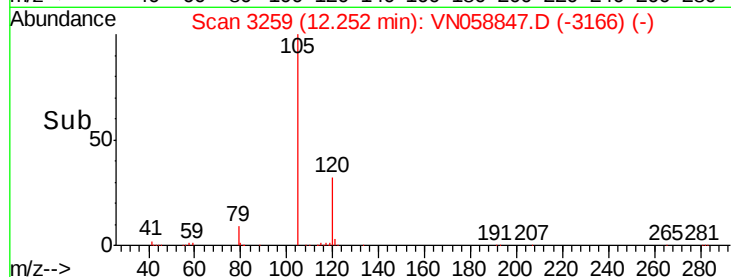
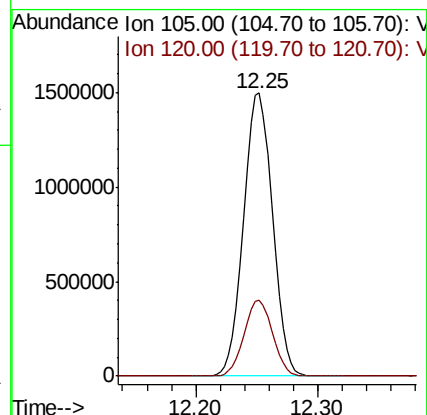
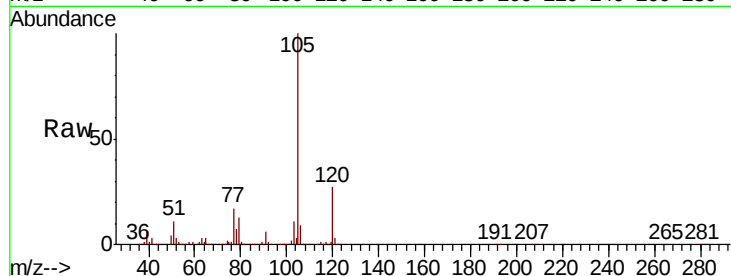
VSTDIC100

Tot Ion:105 Resp: 2443607

Ion Ratio Lower Upper

105 100

120 26.4 12.8 38.4



#74

N-ethyl acetate

Concen: 108.926 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Tgt Ion: 43 Resp: 1196166

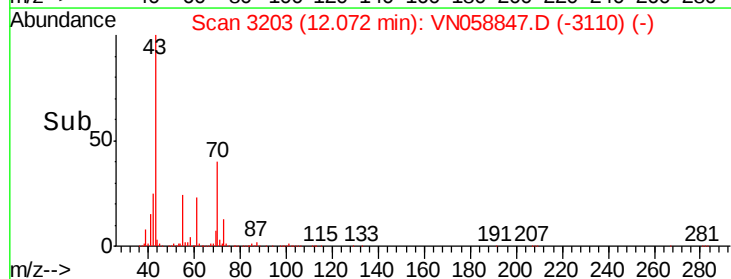
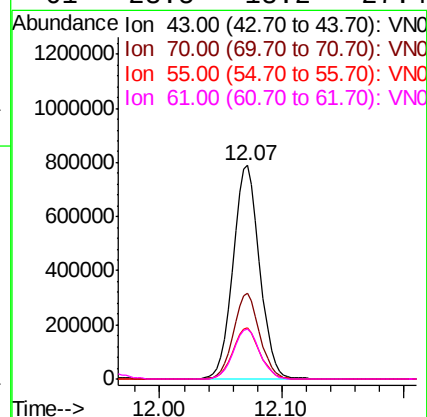
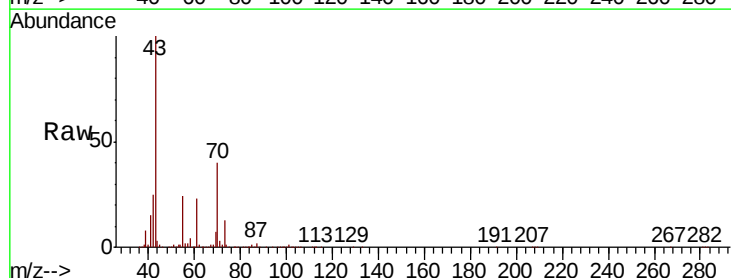
Ion Ratio Lower Upper

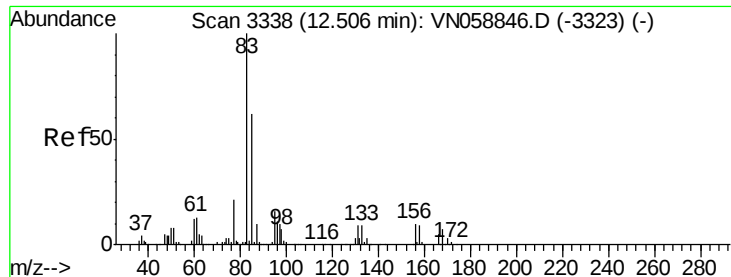
43 100

70 39.6 30.9 46.3

55 24.1 19.7 29.5

61 23.5 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 99.537 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

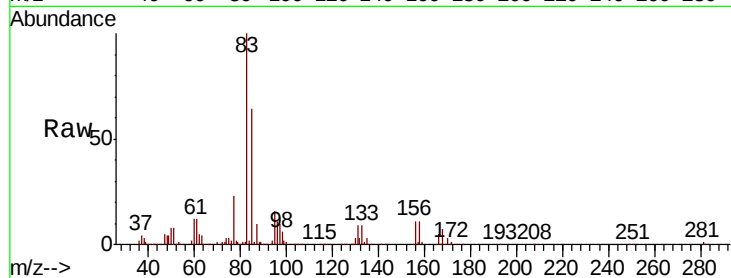
Tot Ion: 83 Resp: 801505

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.1

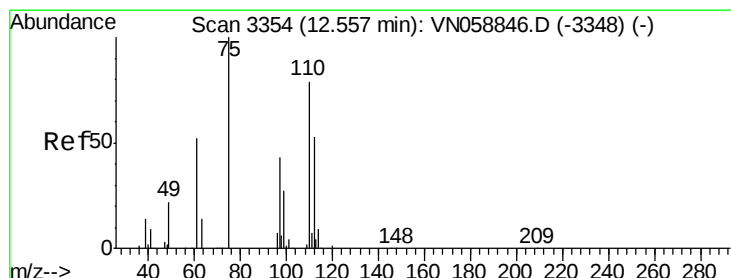
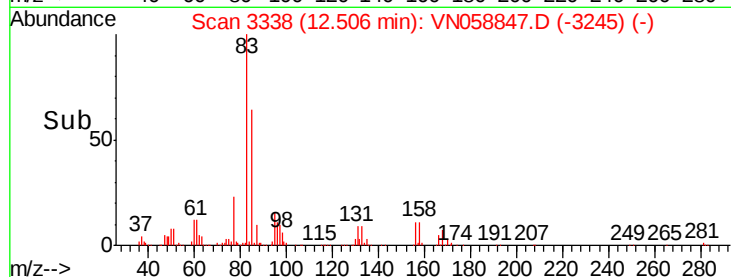
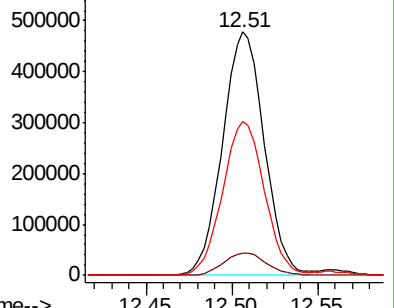
85 63.4 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN058847.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN058847.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN058847.D (-3338) (-)



#76

1,2,3-Trichloropropane

Concen: 147.186 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058847.D

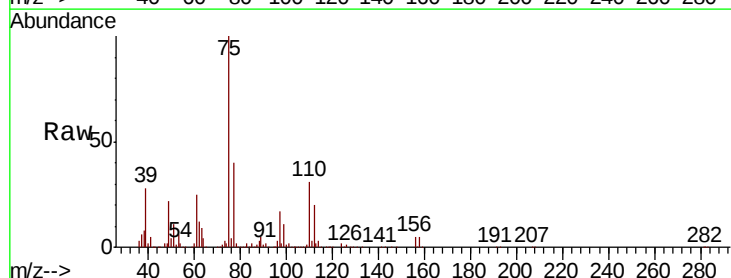
Acq: 18 Oct 2019 10:21

Tgt Ion: 75 Resp: 1101011

Ion Ratio Lower Upper

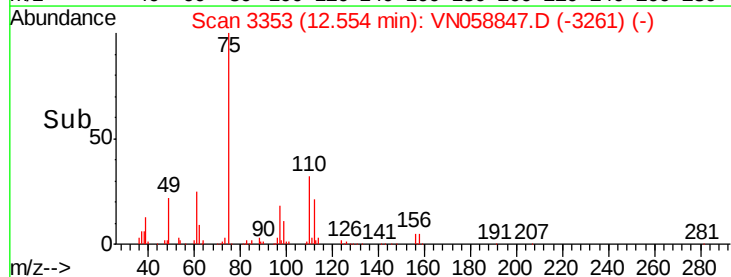
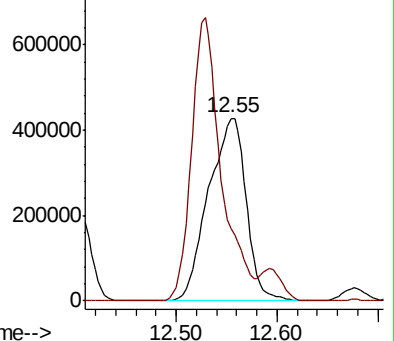
75 100

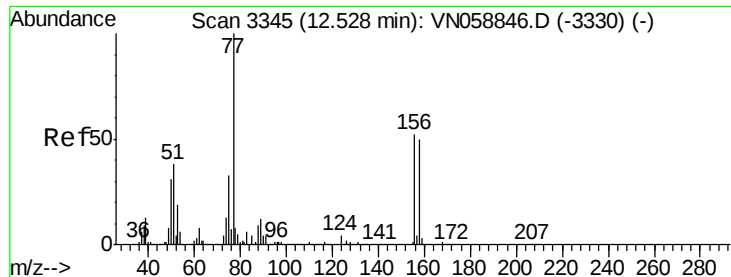
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058847.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN058847.D (-3353) (-)





#77

Bromobenzene

Concen: 97.975 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

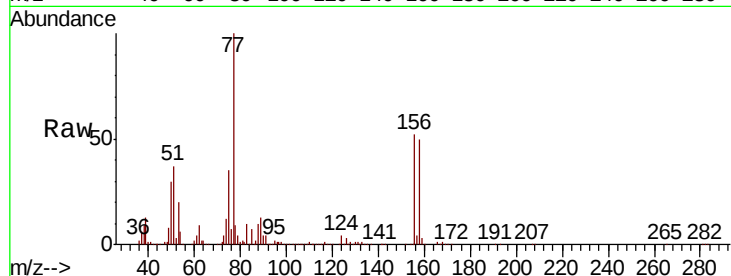
Tot Ion:156 Resp: 578933

Ion Ratio Lower Upper

156 100

77 234.5 118.0 354.0

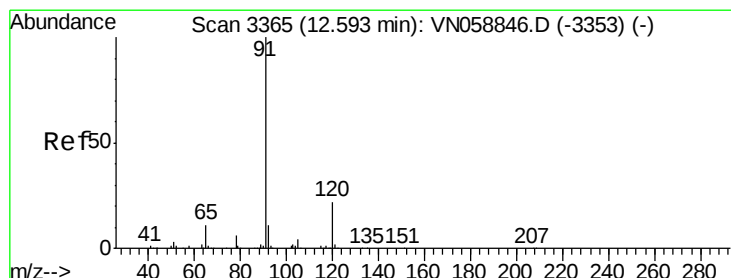
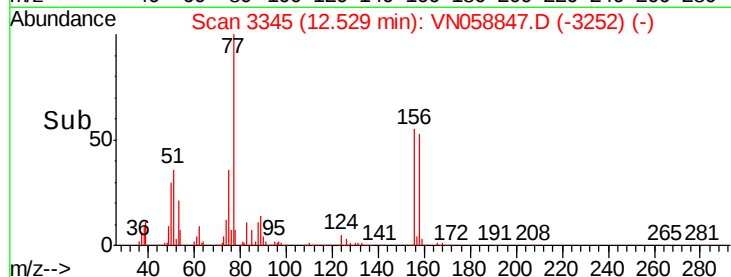
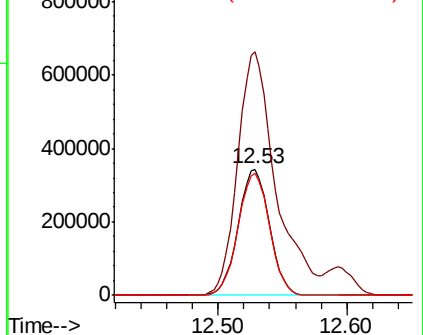
158 97.6 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 102.320 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058847.D

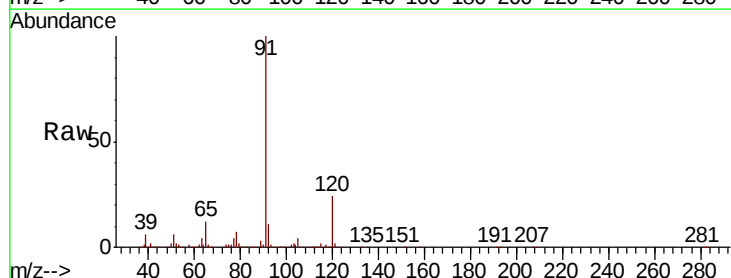
Acq: 18 Oct 2019 10:21

Tgt Ion: 91 Resp: 2895006

Ion Ratio Lower Upper

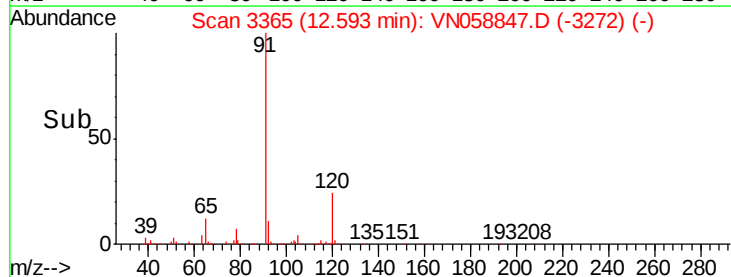
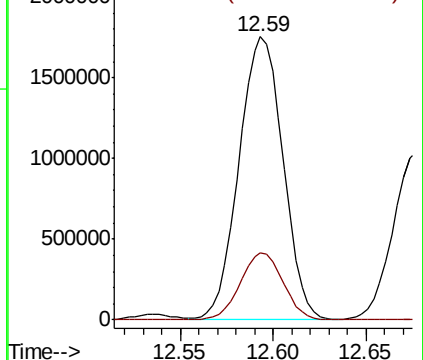
91 100

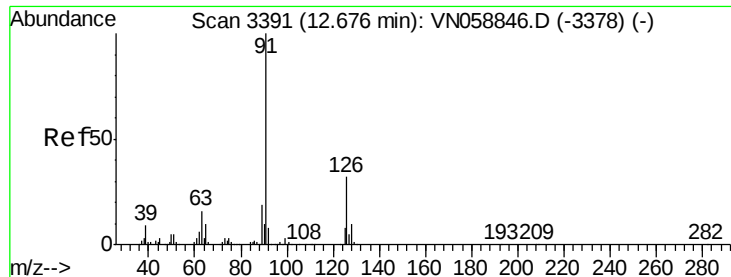
120 22.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

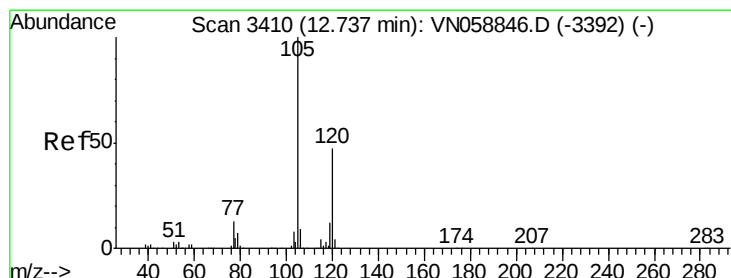
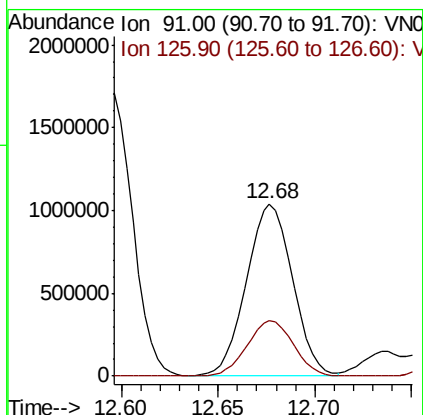
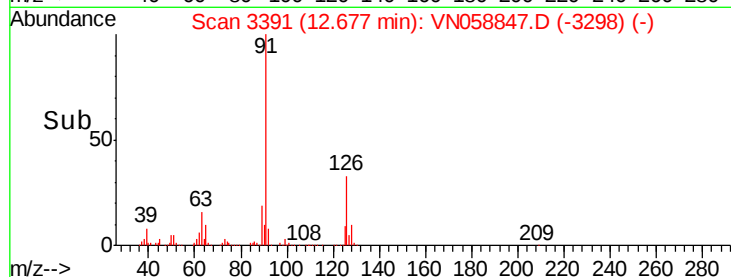
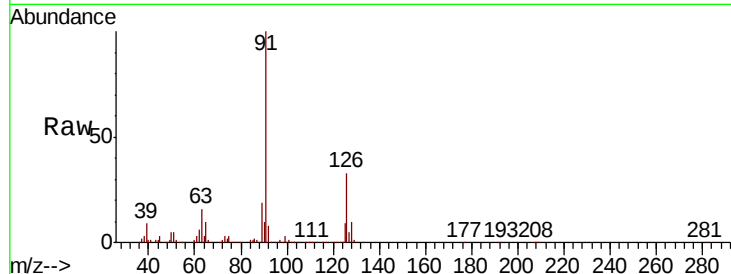




#79
2-Chlorotoluene
Concen: 98.833 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

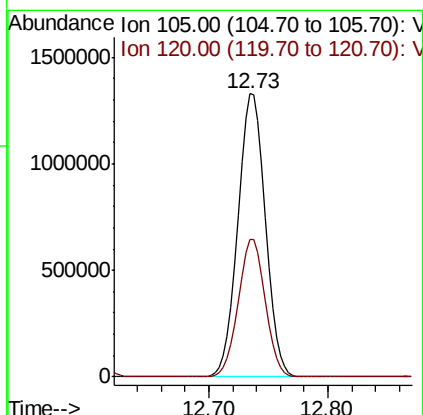
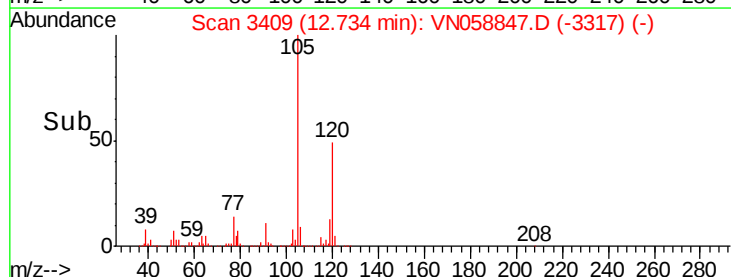
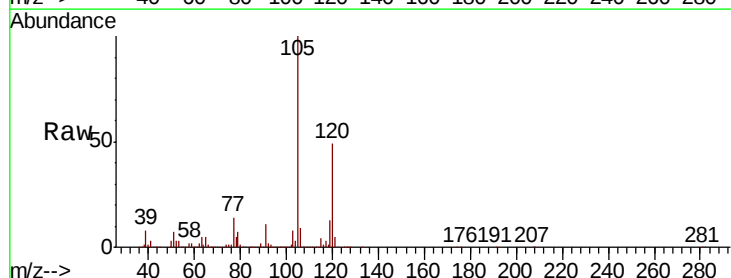
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1735233
Ion Ratio Lower Upper
91 100
126 32.4 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 102.617 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

Tgt Ion: 105 Resp: 2124333
Ion Ratio Lower Upper
105 100
120 47.9 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 109.555 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

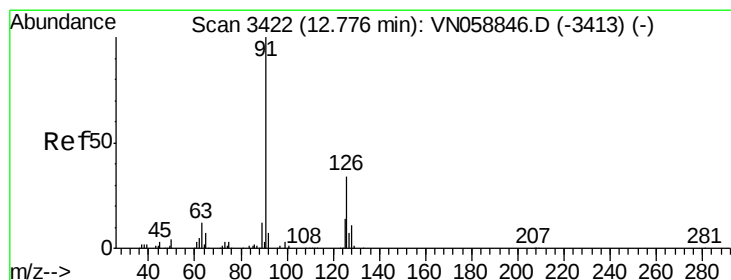
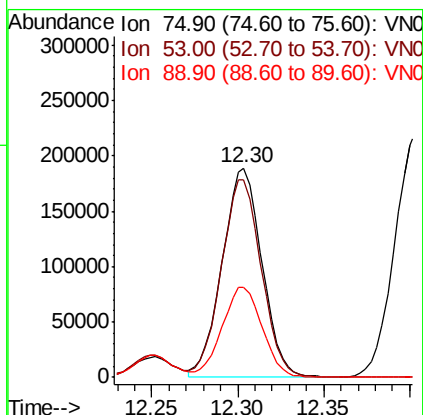
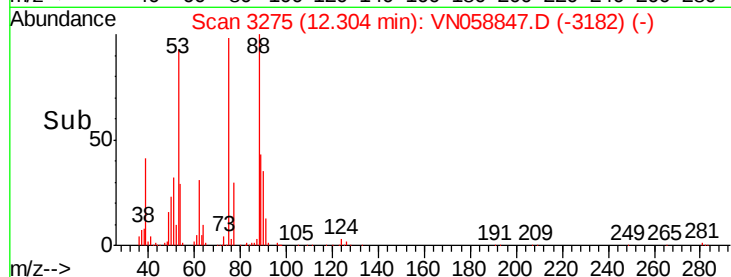
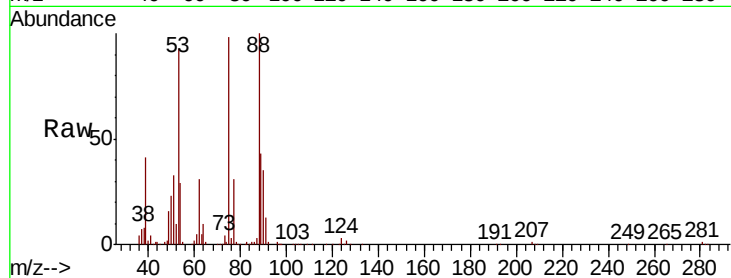
Tot Ion: 75 Resp: 305324

Ion Ratio Lower Upper

75 100

53 95.0 78.6 118.0

89 43.6 35.4 53.0



#82

4-Chlorotoluene

Concen: 101.112 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058847.D

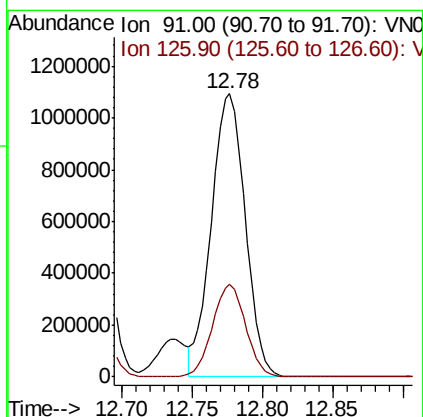
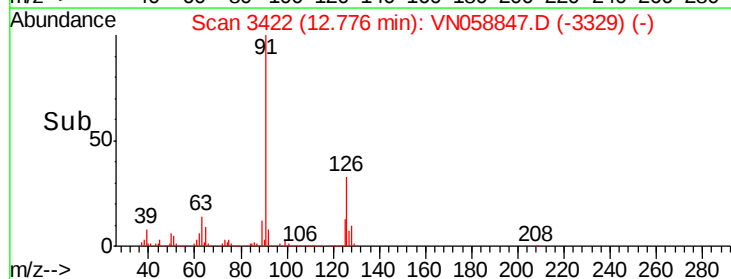
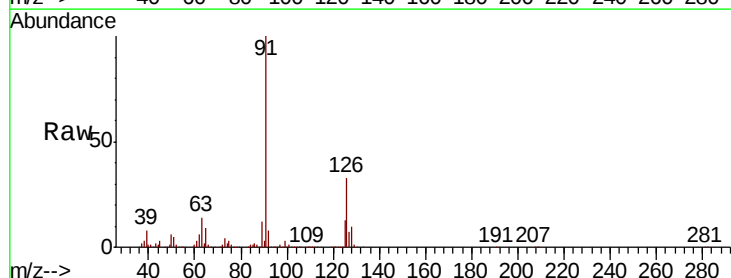
Acq: 18 Oct 2019 10:21

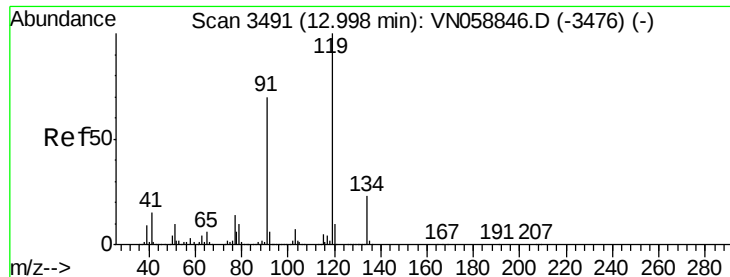
Tgt Ion: 91 Resp: 1820879

Ion Ratio Lower Upper

91 100

126 31.9 16.0 47.9





#83

tert-Butylbenzene

Concen: 101.822 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

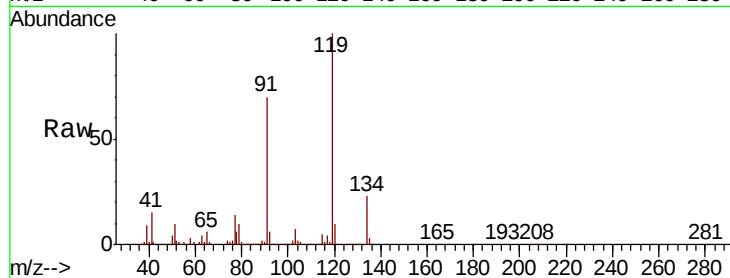
Tot Ion:119 Resp: 1805336

Ion Ratio Lower Upper

119 100

91 67.3 34.1 102.3

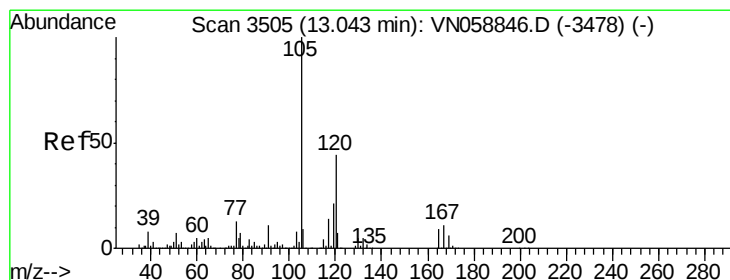
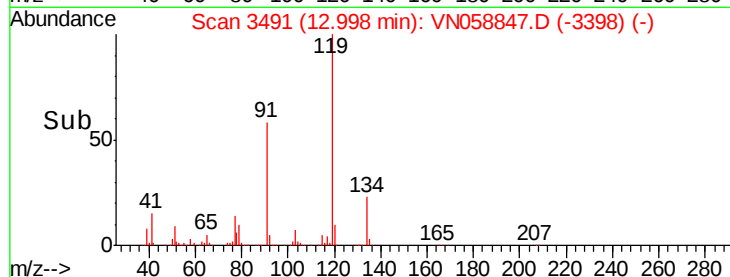
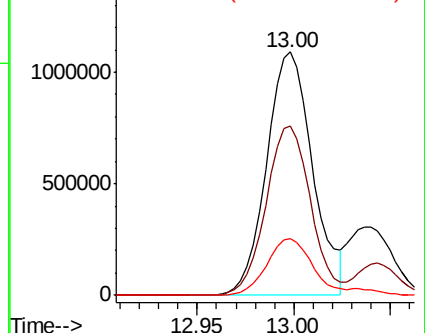
134 23.0 11.6 34.8



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: 103.684 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058847.D

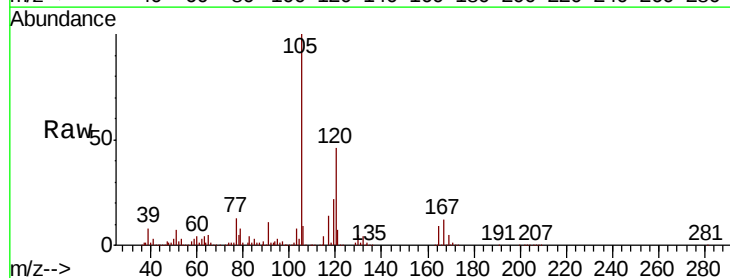
Acq: 18 Oct 2019 10:21

Tgt Ion:105 Resp: 2133744

Ion Ratio Lower Upper

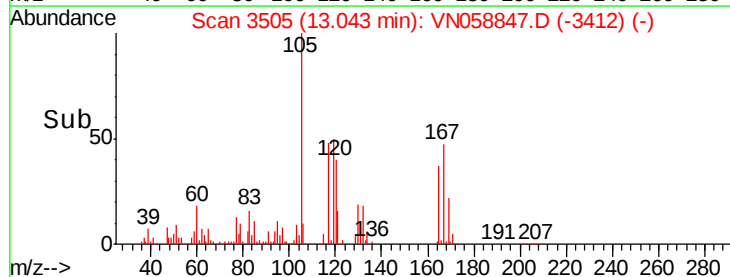
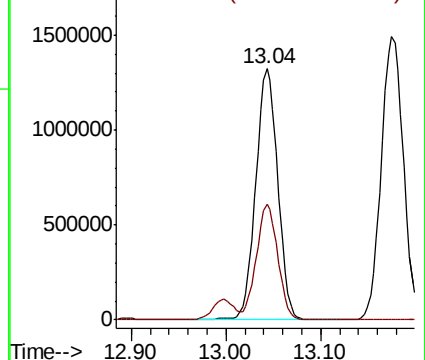
105 100

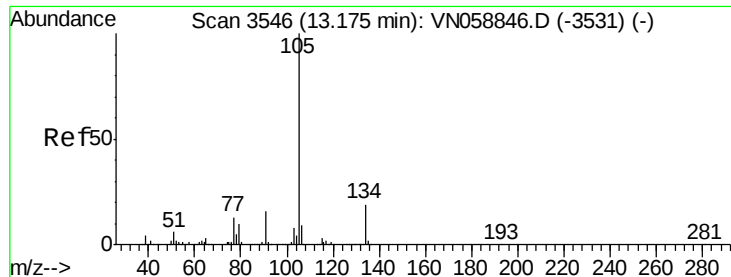
120 45.0 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 103.370 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

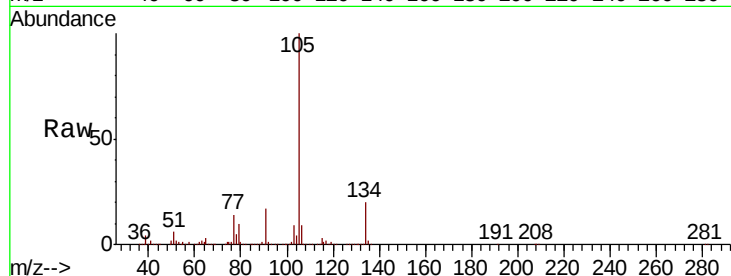
VSTDIC100

Tot Ion:105 Resp: 2417562

Ion Ratio Lower Upper

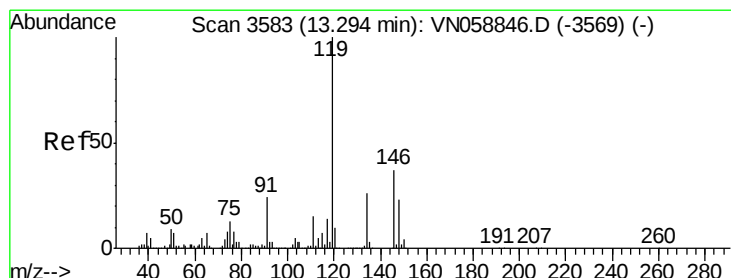
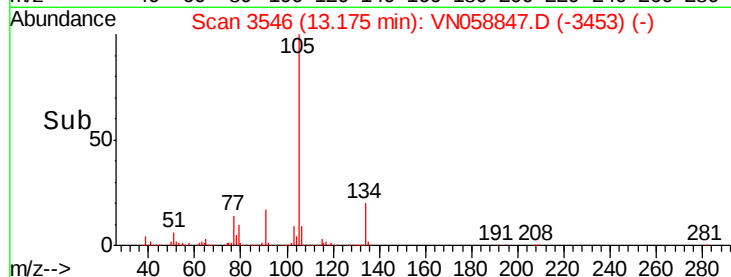
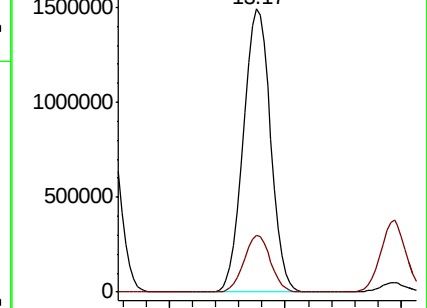
105 100

134 19.6 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 103.888 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

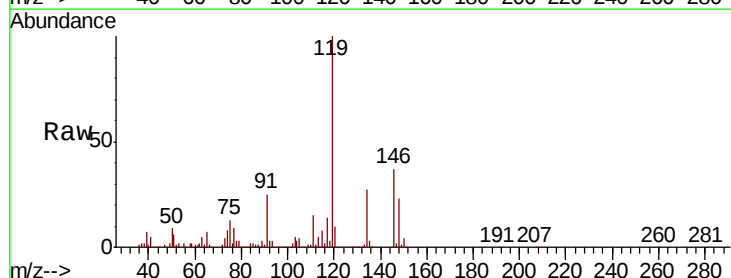
Tgt Ion:119 Resp: 2202651

Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.4

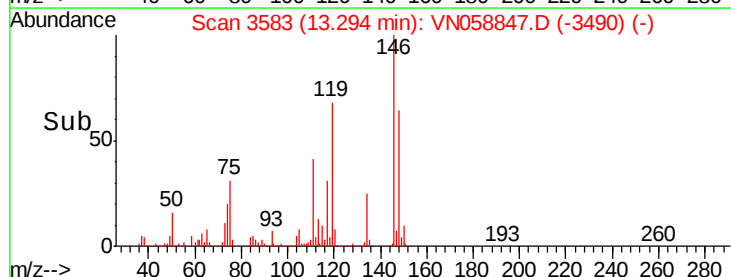
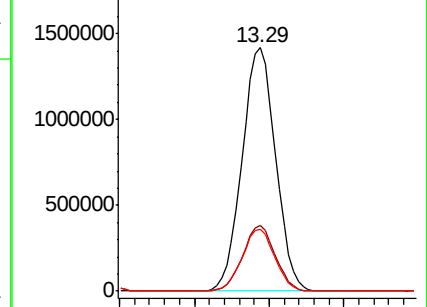
91 24.9 12.2 36.4

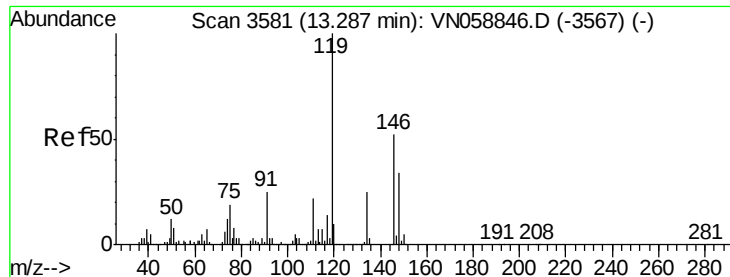


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 99.899 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

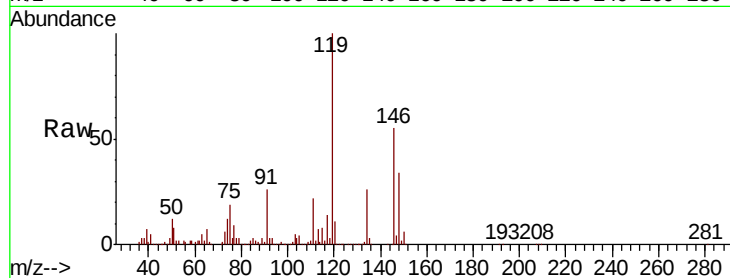
Tot Ion:146 Resp: 1084879

Ion Ratio Lower Upper

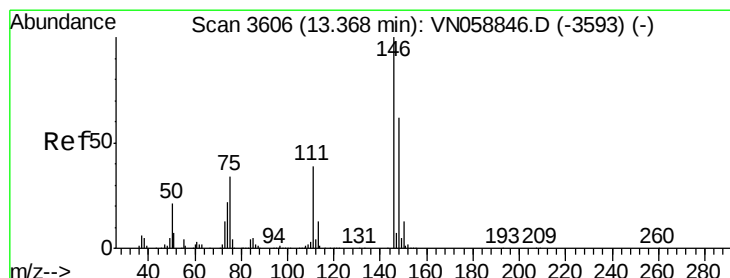
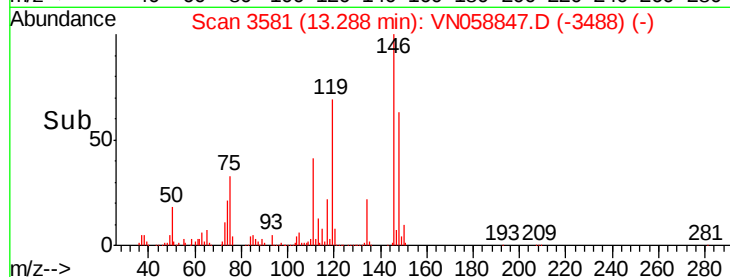
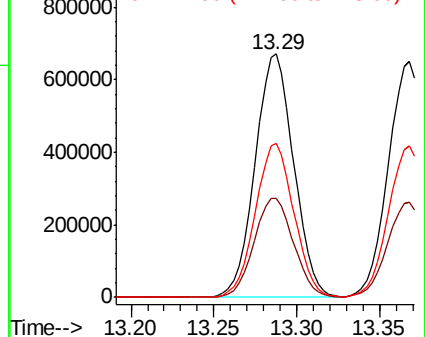
146 100

111 41.4 21.0 63.0

148 63.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 96.567 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

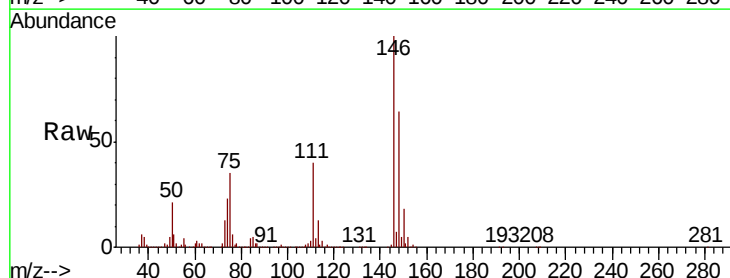
Tgt Ion:146 Resp: 1067674

Ion Ratio Lower Upper

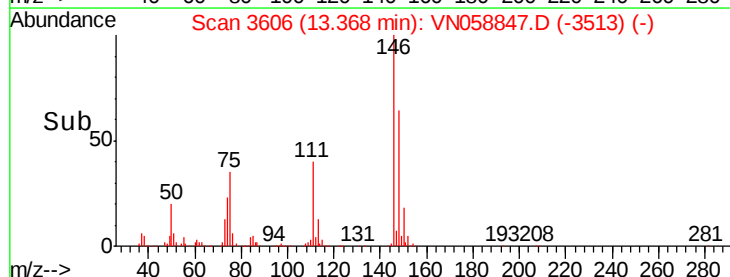
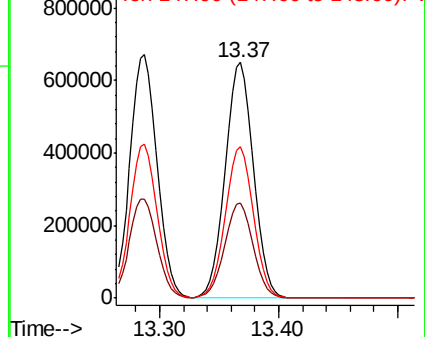
146 100

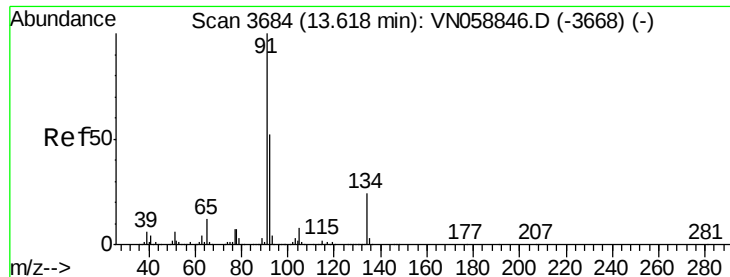
111 40.7 20.2 60.6

148 63.7 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

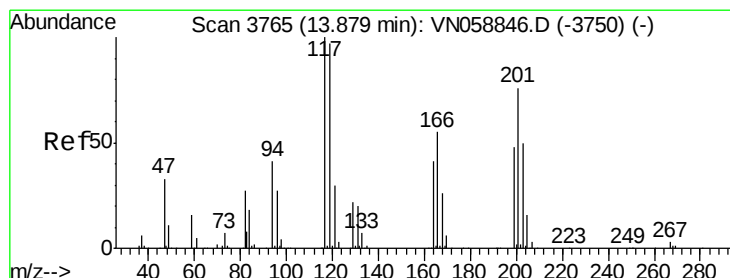
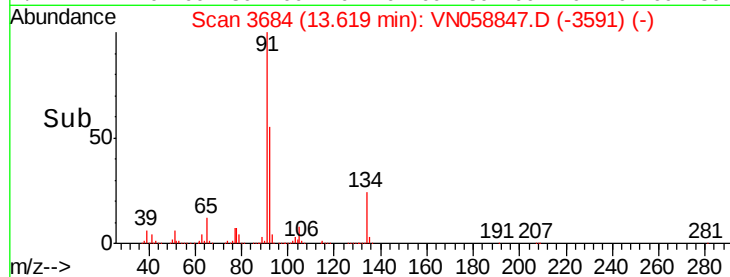
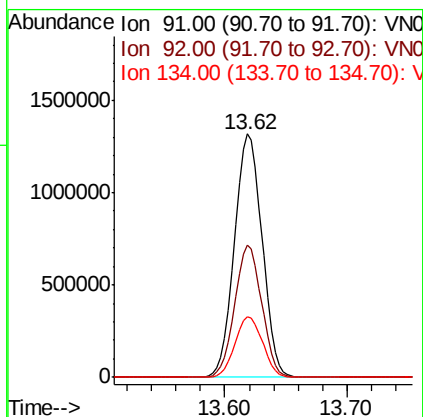
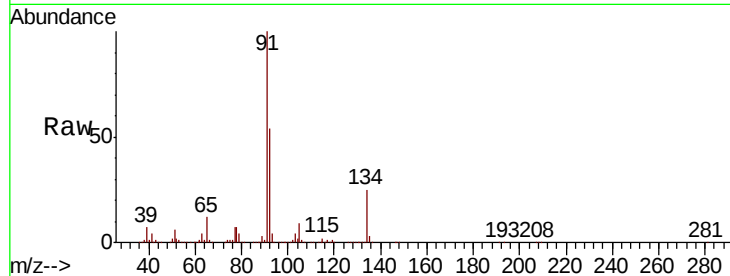




#89
n-Butylbenzene
Concen: 105.694 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

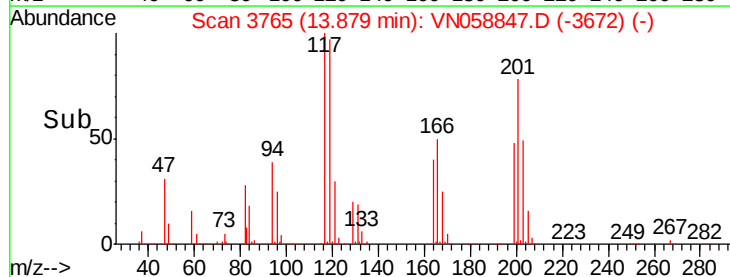
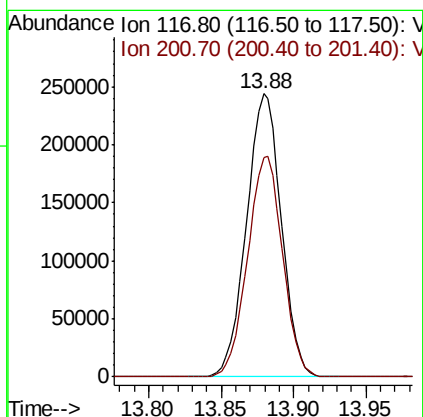
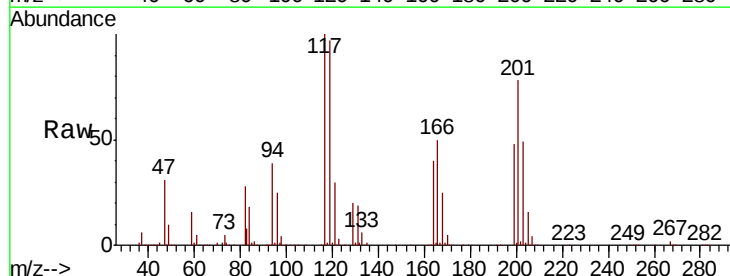
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2072621
Ion Ratio Lower Upper
91 100
92 53.1 25.7 77.1
134 24.8 11.9 35.5



#90
Hexachloroethane
Concen: 106.540 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058847.D
Acq: 18 Oct 2019 10:21

Tgt Ion: 117 Resp: 408255
Ion Ratio Lower Upper
117 100
201 78.3 38.9 116.6

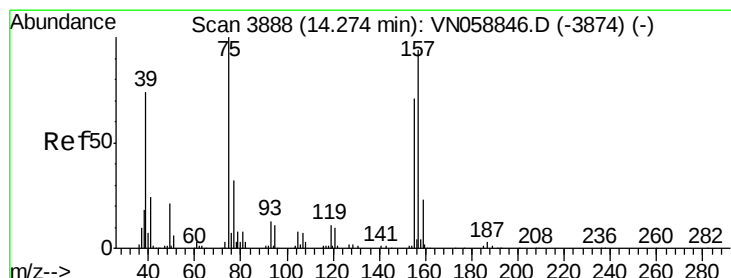
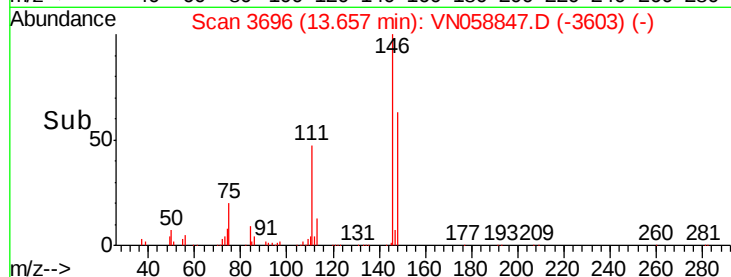
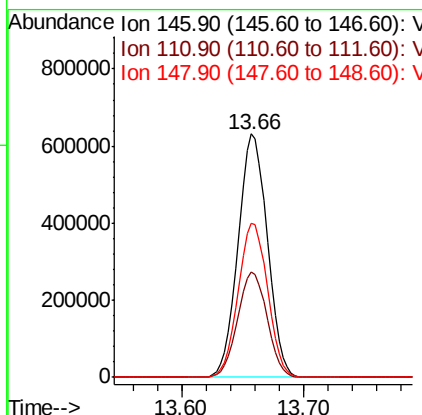
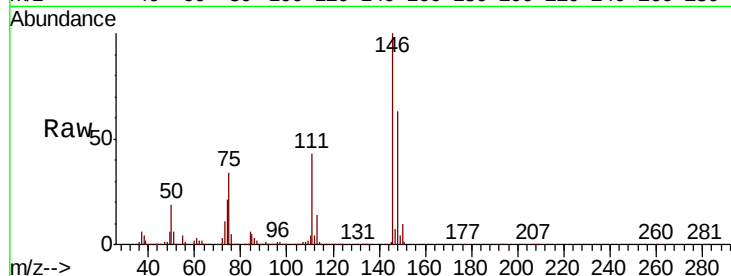




#91
 1,2-Dichlorobenzene
 Concen: 98.572 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058847.D
 Acq: 18 Oct 2019 10:21

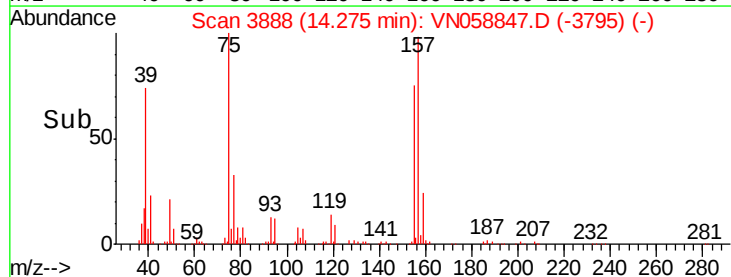
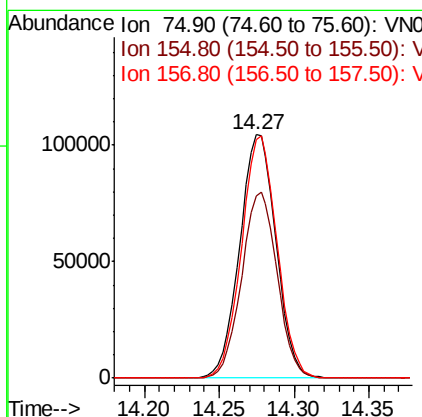
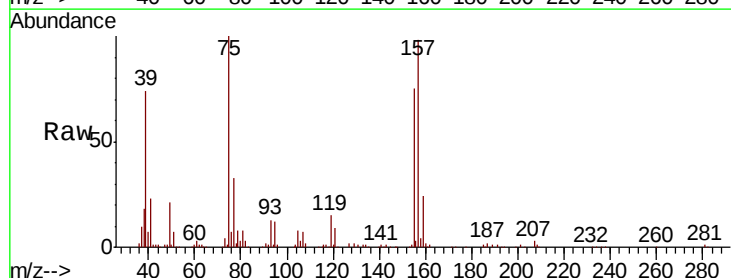
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

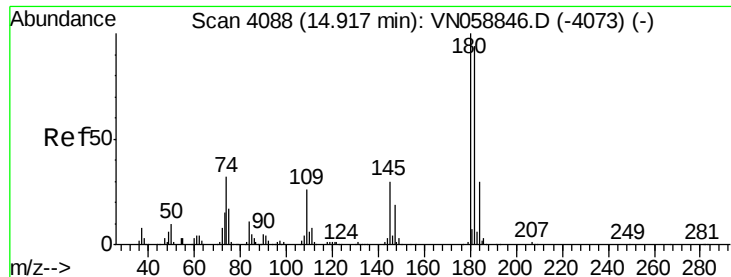
Tot Ion:146 Resp: 1045480
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.6 64.8
 148 63.7 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 93.376 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058847.D
 Acq: 18 Oct 2019 10:21

Tgt Ion: 75 Resp: 176105
 Ion Ratio Lower Upper
 75 100
 155 75.1 35.6 106.8
 157 97.6 47.4 142.2

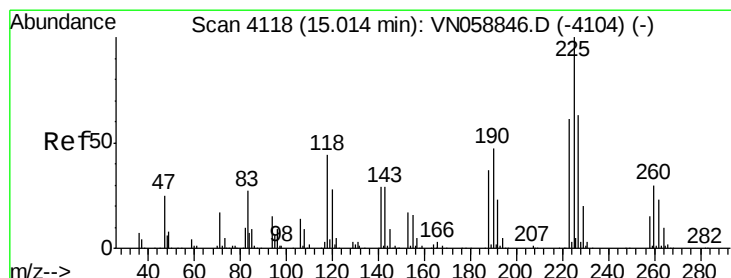
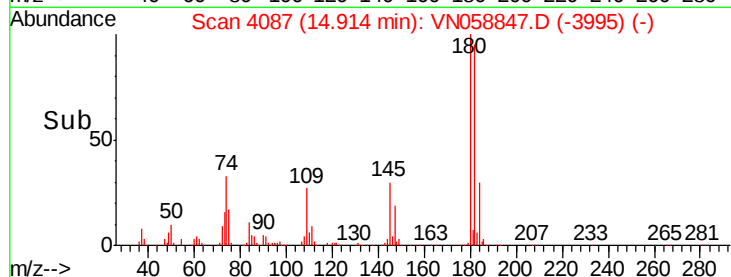
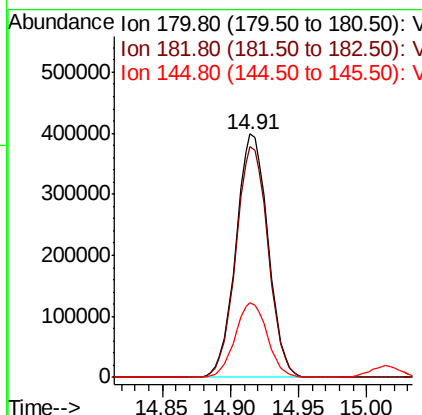
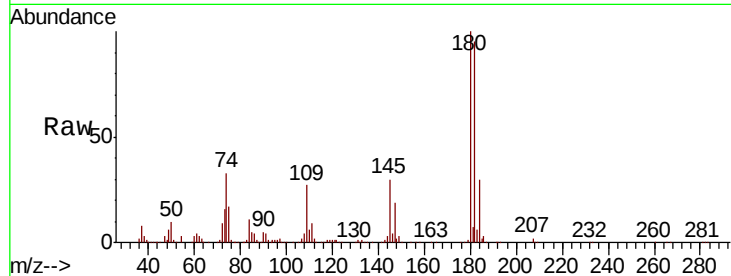




#93
 1,2,4-Trichlorobenzene
 Concen: 101.500 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058847.D
 Acq: 18 Oct 2019 10:21

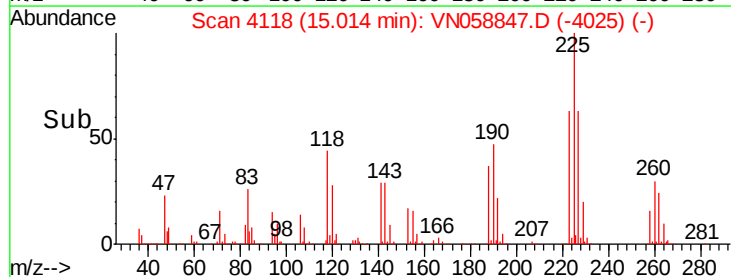
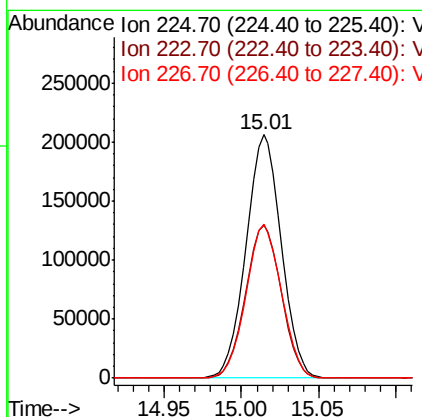
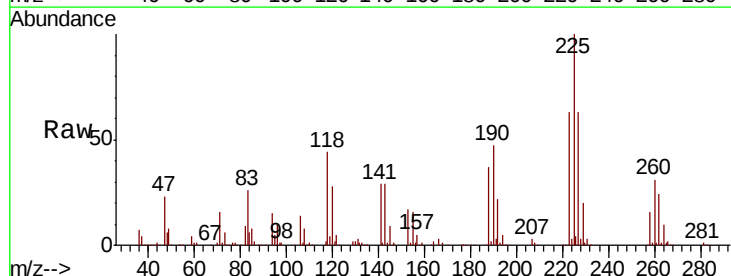
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 650696
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.3 142.0
 145 30.7 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 96.067 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058847.D
 Acq: 18 Oct 2019 10:21

Tgt Ion:225 Resp: 327299
 Ion Ratio Lower Upper
 225 100
 223 63.7 30.9 92.5
 227 63.5 31.6 94.7





#95

Naphthalene

Concen: 104.421 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

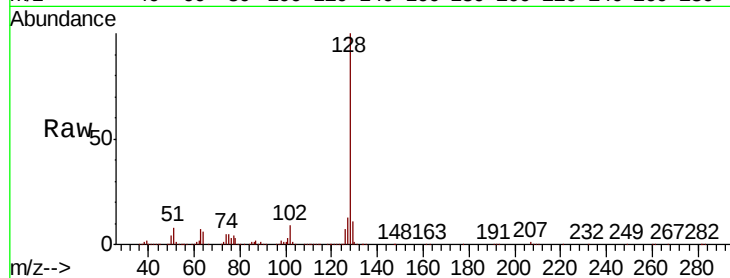
Tot Ion:128 Resp: 1919794

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.4	12.6

128 100

127 12.9 10.2 15.2

129 11.0 8.4 12.6

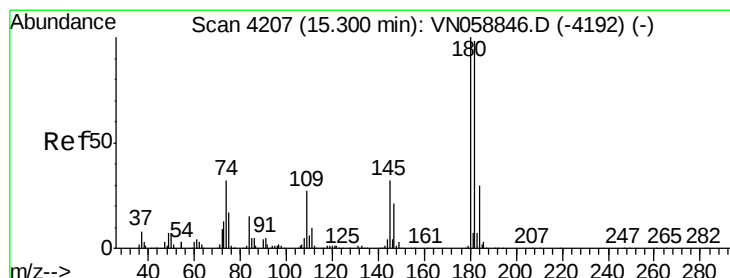
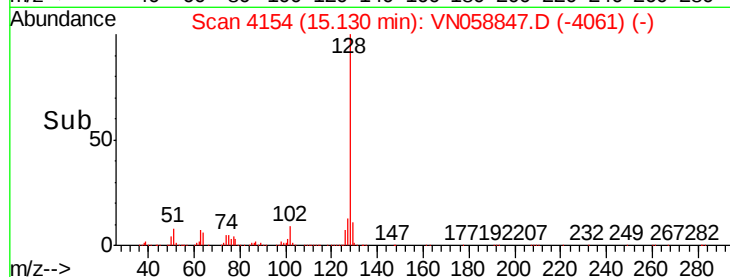
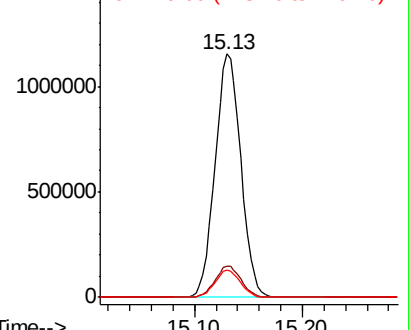


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 101.387 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058847.D

Acq: 18 Oct 2019 10:21

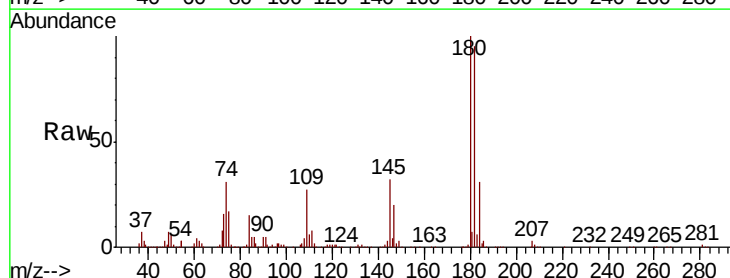
Tgt Ion:180 Resp: 635877

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	32.1	15.9	47.7

180 100

182 94.9 47.9 143.7

145 32.1 15.9 47.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

