

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052310.D
 Acq On : 14 Nov 2018 13:16
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111418

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:58:31 PM

Quant Time: Nov 15 03:32:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	314906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	521971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	461007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	218746	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	216030	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	7.59	113	170340	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.09	98	654536	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	225073	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	174079	52.167	ug/l	100
3) Chloromethane	2.06	50	227112	48.975	ug/l	99
4) Vinyl Chloride	2.19	62	192996	48.146	ug/l	99
5) Bromomethane	2.56	94	117005	46.820	ug/l	99
6) Chloroethane	2.70	64	106318	46.909	ug/l	96
7) Trichlorofluoromethane	3.02	101	270790	48.818	ug/l	99
8) Diethyl Ether	3.41	74	102711	48.584	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	170301	48.615	ug/l	98
10) Methyl Iodide	3.95	142	225024	47.843	ug/l	100
11) Tert butyl alcohol	4.78	59	48799	207.758	ug/l	96
12) 1,1-Dichloroethene	3.74	96	155991	48.120	ug/l	91
13) Acrolein	3.61	56	83177	236.104	ug/l	99
14) Allyl chloride	4.33	41	303433	45.586	ug/l	94
15) Acrylonitrile	4.99	53	321192	239.477	ug/l	99
16) Acetone	3.81	43	292616	238.951	ug/l	96
17) Carbon Disulfide	4.06	76	450763	48.493	ug/l	99
18) Methyl Acetate	4.32	43	165815	48.335	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	464111	49.820	ug/l	100
20) Methylene Chloride	4.55	84	180000	48.291	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	164763	47.208	ug/l	98
22) Diisopropyl ether	5.95	45	659399	48.552	ug/l	100
23) Vinyl Acetate	5.90	43	2335556	253.508	ug/l	99
24) 1,1-Dichloroethane	5.85	63	340358	46.737	ug/l	99
25) 2-Butanone	6.83	43	420182	243.768	ug/l	99
26) 2,2-Dichloropropane	6.82	77	268602	50.160	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	187062	46.041	ug/l	96
28) Bromochloromethane	7.19	49	174064	46.485	ug/l	98
29) Tetrahydrofuran	7.21	42	269068	237.621	ug/l	99
30) Chloroform	7.37	83	327800	47.232	ug/l	96
31) Cyclohexane	7.65	56	328204	48.509	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	275165	46.542	ug/l	98
36) 1,1-Dichloropropene	7.79	75	256112	48.954	ug/l	99
37) Ethyl Acetate	6.93	43	187186	49.300	ug/l	99
38) Carbon Tetrachloride	7.78	117	242150	50.379	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052310.D
 Acq On : 14 Nov 2018 13:16
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111418

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:58:31 PM

Quant Time: Nov 15 03:32:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	308169	51.599	ug/l	100
40) Benzene	8.04	78	722460	48.338	ug/l	98
41) Methacrylonitrile	7.17	41	99270	47.291	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	259354	48.663	ug/l	100
43) Isopropyl Acetate	8.17	43	347279	47.399	ug/l	98
44) Trichloroethene	8.83	130	183863	49.942	ug/l	100
45) 1,2-Dichloropropane	9.12	63	203778	48.043	ug/l	99
46) Dibromomethane	9.21	93	119382	48.619	ug/l	99
47) Bromodichloromethane	9.40	83	249806	49.577	ug/l	99
48) Methyl methacrylate	9.20	41	176064	47.358	ug/l	98
49) 1,4-Dioxane	9.20	88	22895	802.237	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	918475	249.041	ug/l	100
52) Toluene	10.16	92	442171	49.455	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	260467	51.254	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	298530	51.531	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	156142	48.174	ug/l	97
56) Ethyl methacrylate	10.43	69	219572	51.512	ug/l	99
57) 1,3-Dichloropropane	10.71	76	278999	48.598	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	613270	252.709	ug/l	100
59) 2-Hexanone	10.75	43	656424	258.766	ug/l	99
60) Dibromochloromethane	10.90	129	173787	49.558	ug/l	100
61) 1,2-Dibromoethane	11.00	107	158859	49.204	ug/l	99
64) Tetrachloroethene	10.63	164	161842	49.380	ug/l	99
65) Chlorobenzene	11.43	112	480222	49.281	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	168807	50.801	ug/l	99
67) Ethyl Benzene	11.51	91	867607	51.299	ug/l	98
68) m/p-Xylenes	11.62	106	648161	104.888	ug/l	100
69) o-Xylene	11.95	106	312573	52.768	ug/l	100
70) Styrene	11.96	104	506197	53.369	ug/l	100
71) Bromoform	12.13	173	103874	52.944	ug/l #	98
73) Isopropylbenzene	12.25	105	855901	48.666	ug/l	99
74) N-amyl acetate	12.07	43	318652	50.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	192205	45.209	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	179478m	48.355	ug/l	
77) Bromobenzene	12.52	156	193654	47.324	ug/l	98
78) n-propylbenzene	12.59	91	1012242	49.213	ug/l	100
79) 2-Chlorotoluene	12.67	91	580725	48.330	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	699668	50.027	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	56242	49.146	ug/l	99
82) 4-Chlorotoluene	12.77	91	600658	48.792	ug/l	98
83) tert-Butylbenzene	12.99	119	603181	48.850	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	716150	51.007	ug/l	98
85) sec-Butylbenzene	13.17	105	852999	50.714	ug/l	100
86) p-Isopropyltoluene	13.29	119	733108	51.454	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	355764	48.952	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	355846	49.249	ug/l	99
89) n-Butylbenzene	13.61	91	668931	54.664	ug/l	100
90) Hexachloroethane	13.87	117	124626	49.385	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	341399	48.487	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30912	49.308	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
Data File : VN052310.D
Acq On : 14 Nov 2018 13:16
Operator : MD\SY
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

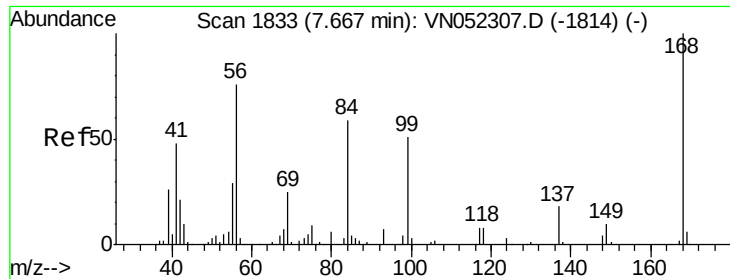
Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:31 PM

Quant Time: Nov 15 03:32:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	166174	50.689	ug/l	99
94) Hexachlorobutadiene	15.01	225	87310	54.176	ug/l	97
95) Naphthalene	15.13	128	374297	48.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	146635	54.807	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

ICVVN111418

Tot Ion:168 Resp: 314906

Ion Ratio Lower Upper

168 100

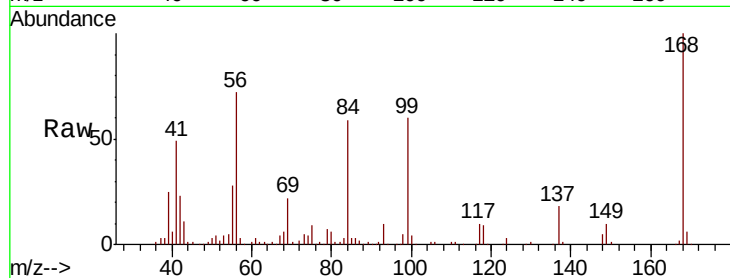
99 59.9 47.9 71.9

Manual Integrations

APPROVED

MMDadoda

11/20/2018 2:58:31 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

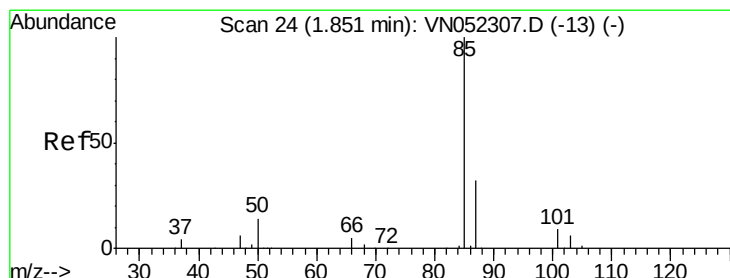
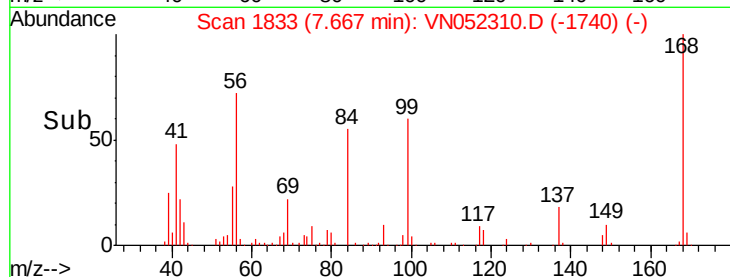
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.167 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052310.D

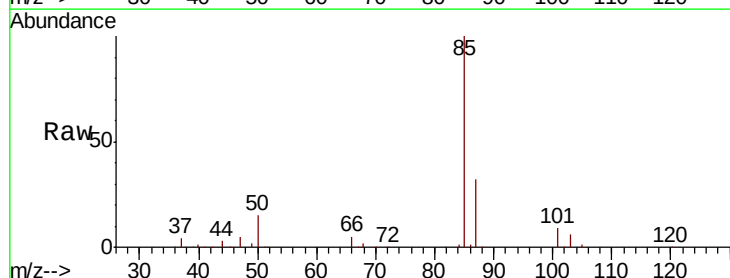
Acq: 14 Nov 2018 13:16

Tgt Ion: 85 Resp: 174079

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

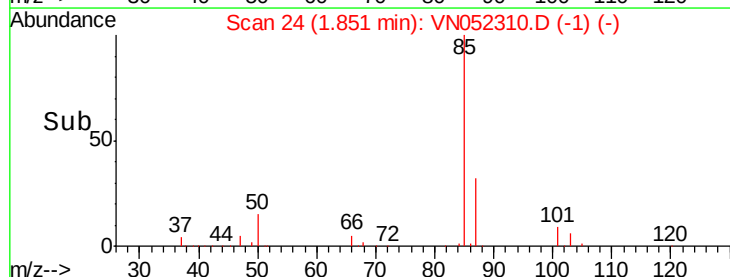
1.85

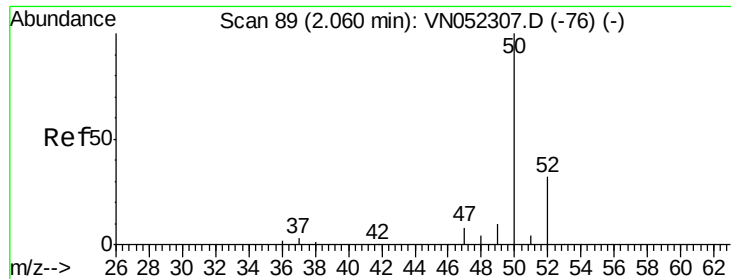
100000

50000

0

Time-->





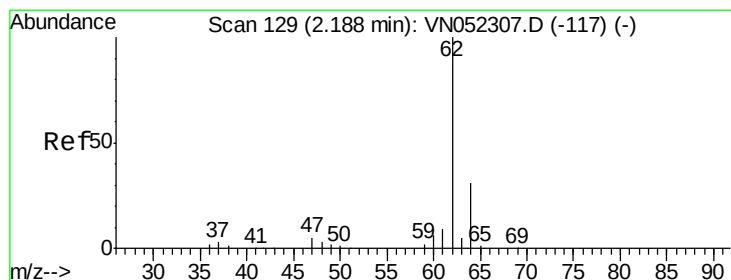
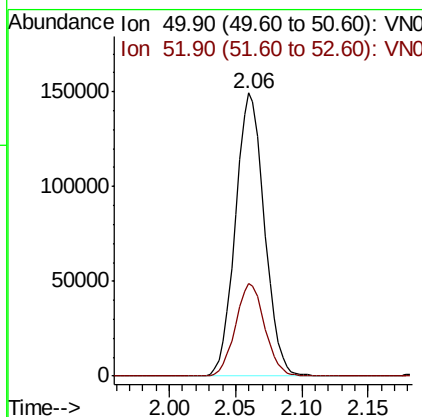
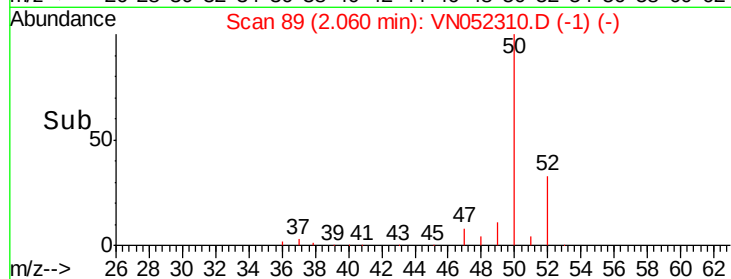
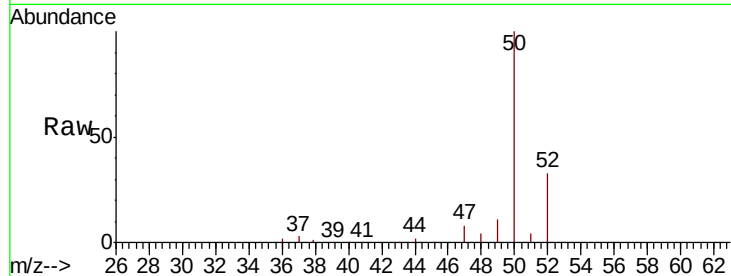
#3
Chloromethane
Concen: 48.975 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.5	38.3

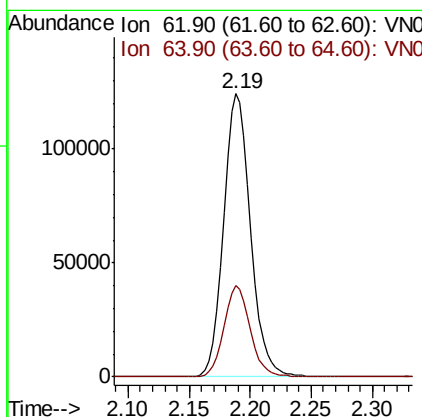
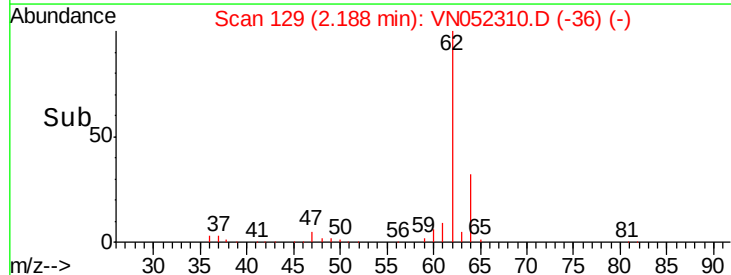
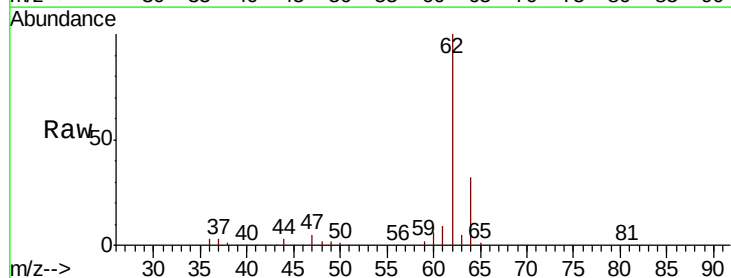
Manual Integrations
APPROVED

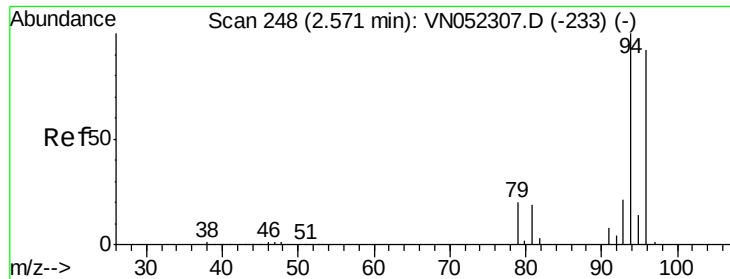
MMDadoda
11/20/2018 2:58:31 PM



#4
Vinyl Chloride
Concen: 48.146 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.2	37.8





#5

Bromomethane

Concen: 46.820 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Tot Ion: 94 Resp: 117005

Ion Ratio Lower Upper

94 100

96 93.0 73.6 110.4

Instrument :

MSVOA_N

ClientSampleId :

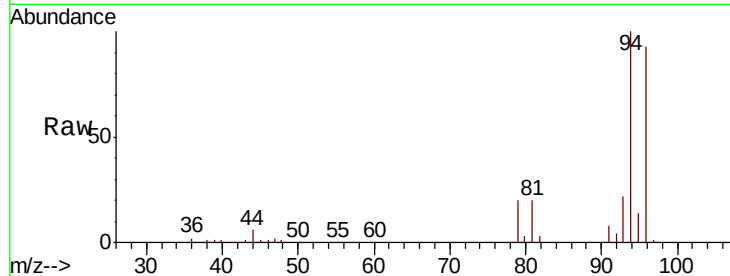
ICVVN111418

Manual Integrations

APPROVED

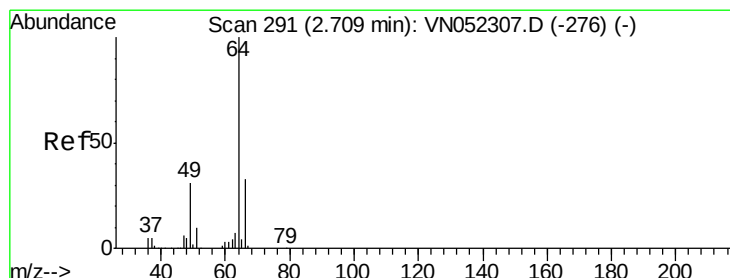
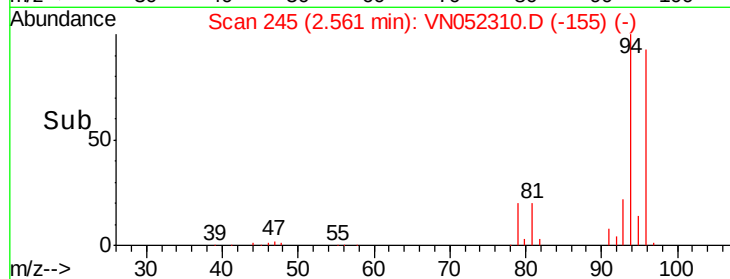
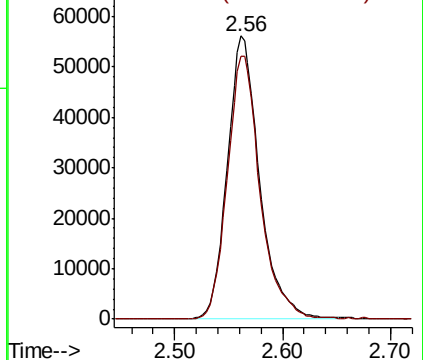
MMDadoda

11/20/2018 2:58:31 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.909 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN052310.D

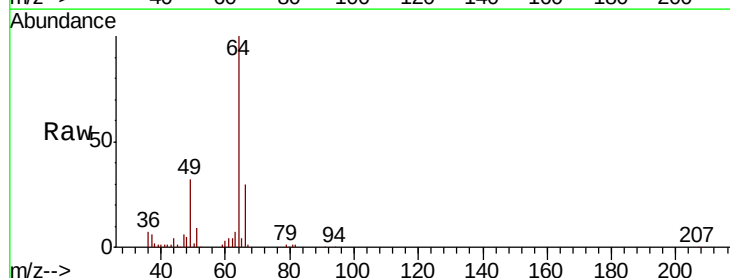
Acq: 14 Nov 2018 13:16

Tgt Ion: 64 Resp: 106318

Ion Ratio Lower Upper

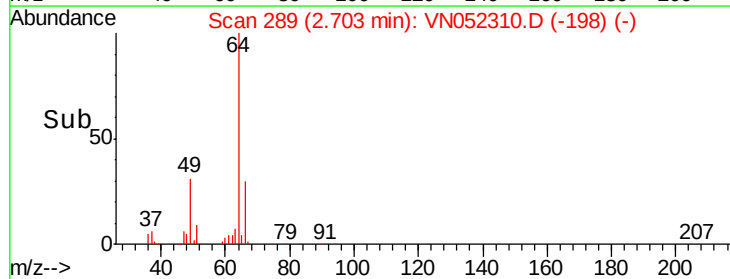
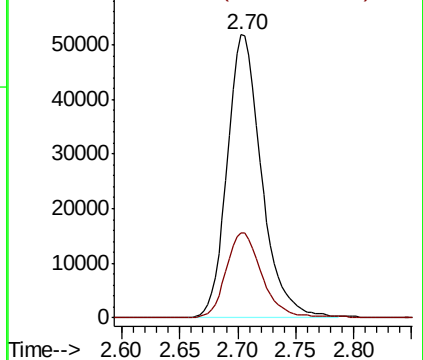
64 100

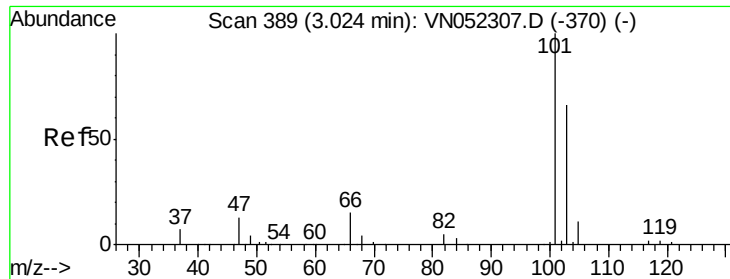
66 30.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

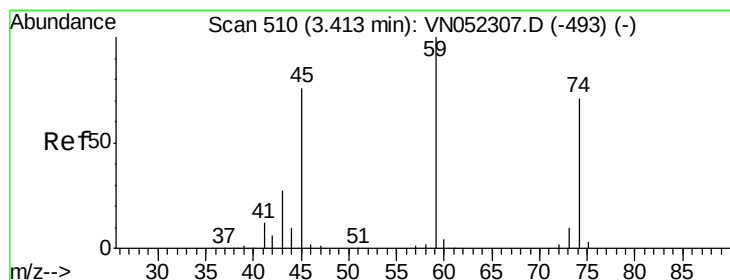
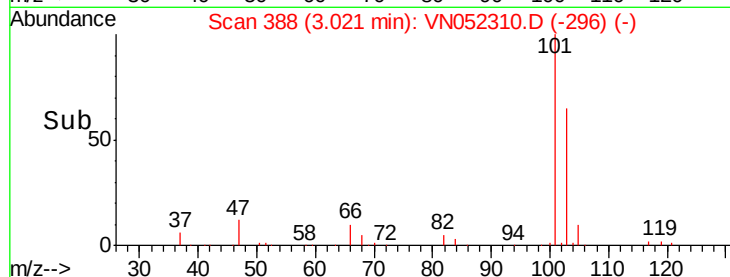
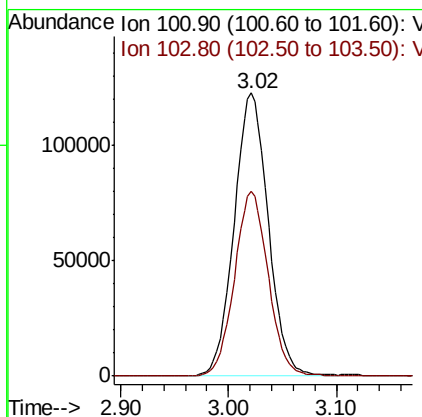
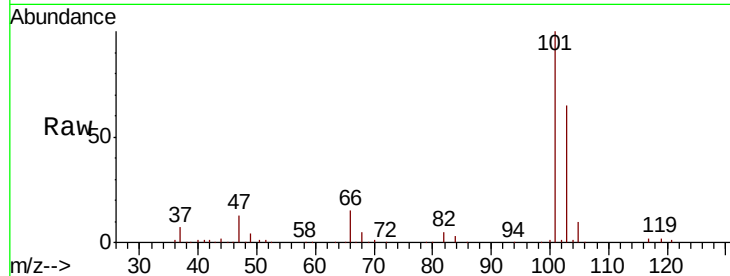
Trichlorofluoromethane
Concen: 48.818 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.8	79.2

Manual Integrations
APPROVED

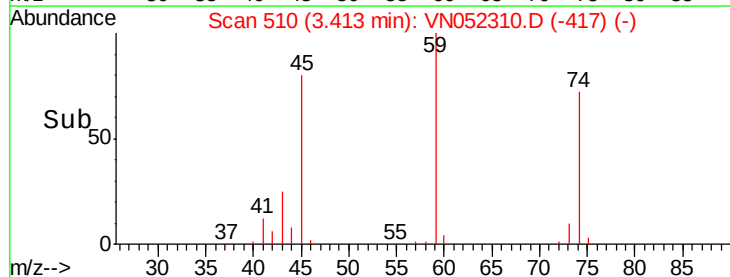
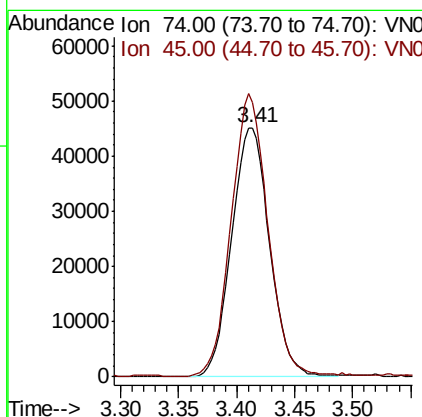
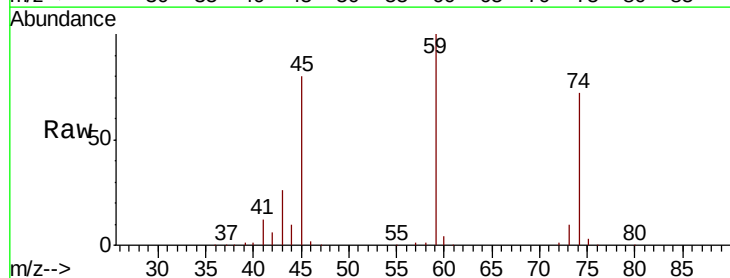
MMDadoda
11/20/2018 2:58:31 PM

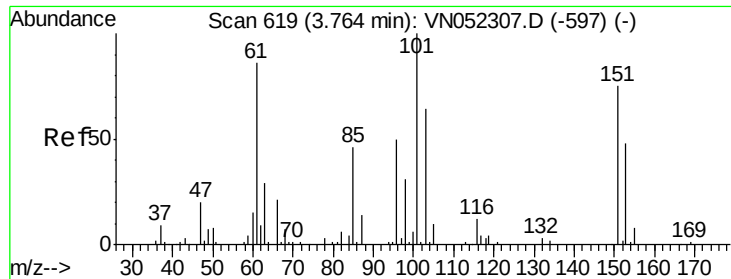


#8

Diethyl Ether
Concen: 48.584 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.8	54.3	162.9





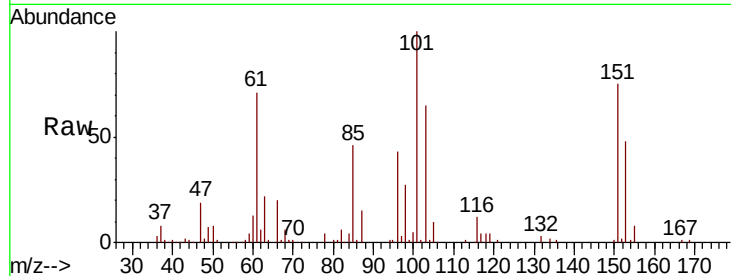
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.615 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111418

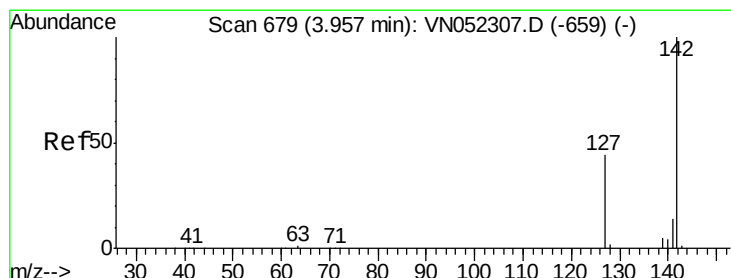
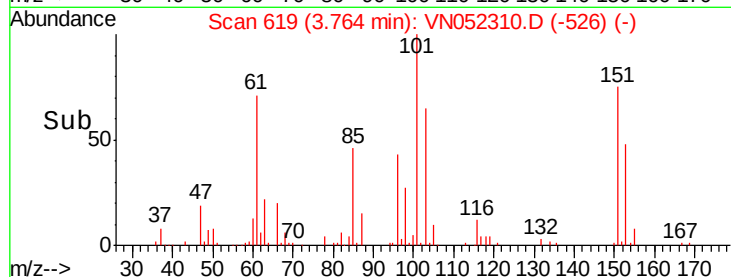
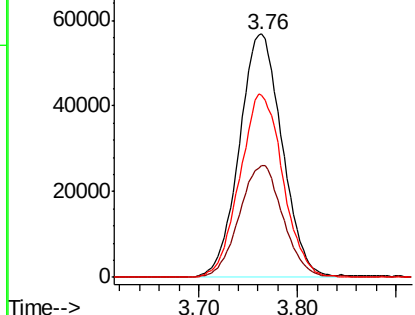
Tot Ion	Ratio	Resp	Lower	Upper
101	100	170301		
85	47.0		37.4	56.0
151	75.9		58.6	88.0

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:58:31 PM

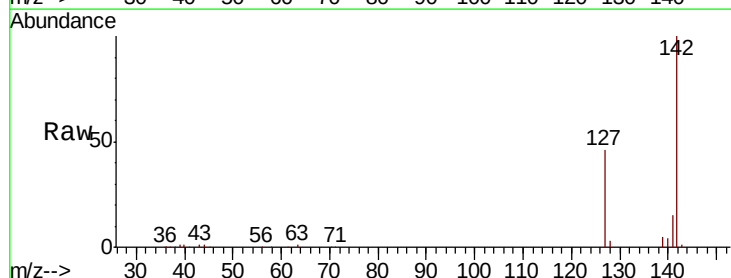


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

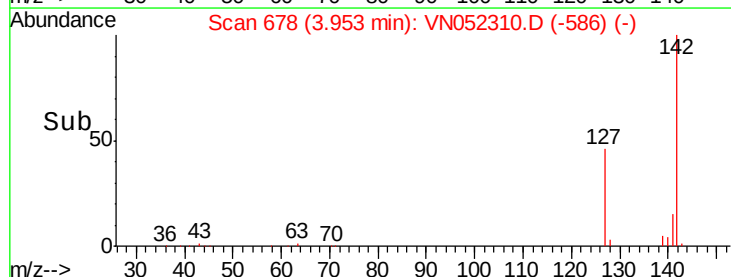
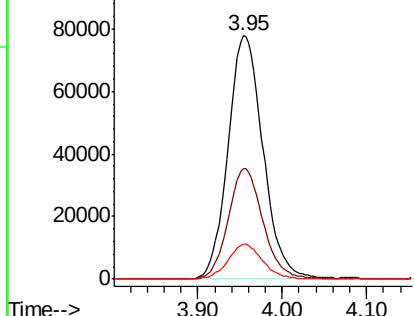


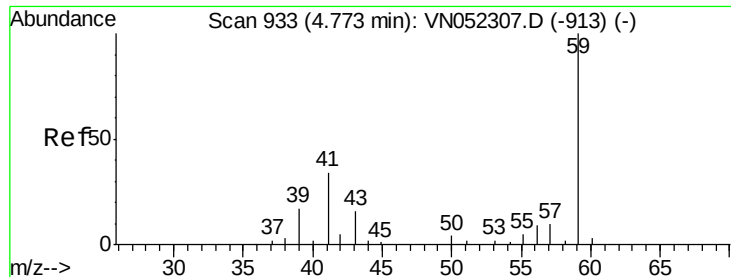
#10
 Methyl Iodide
 Concen: 47.843 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	225024		
127	45.0		36.3	54.5
141	14.3		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

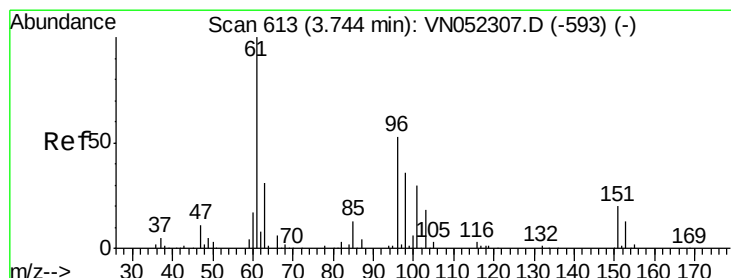
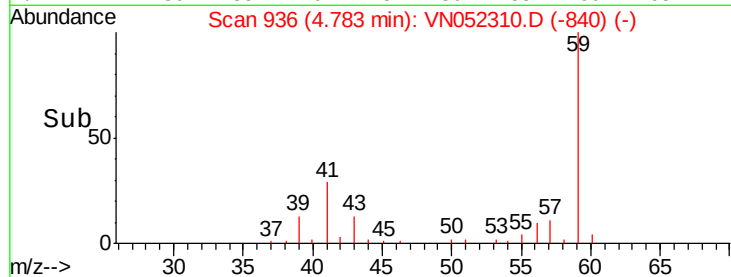
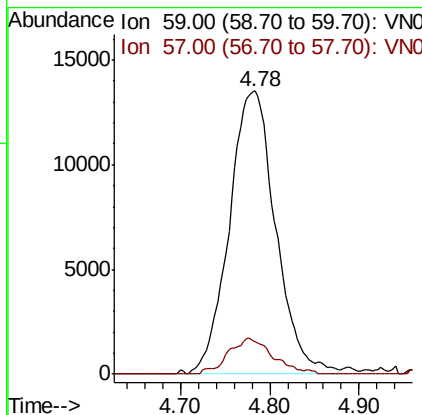
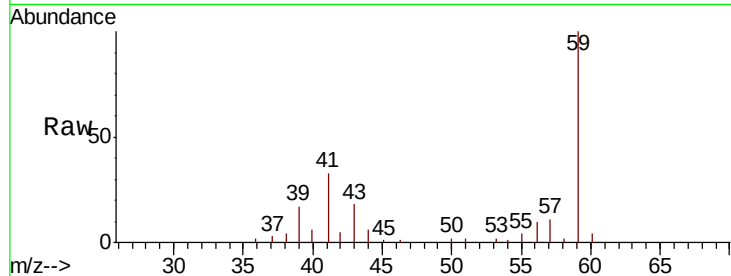
Tert butyl alcohol
 Concen: 207.758 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111418

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.0	8.5	12.7

Manual Integrations
 APPROVED

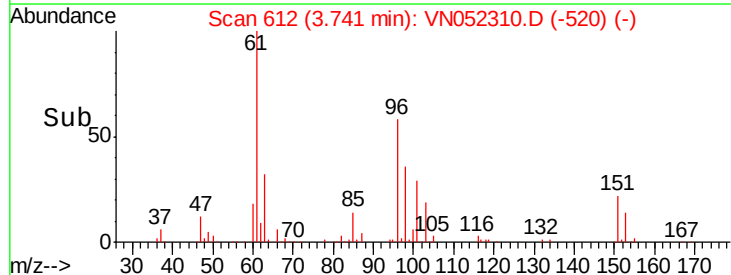
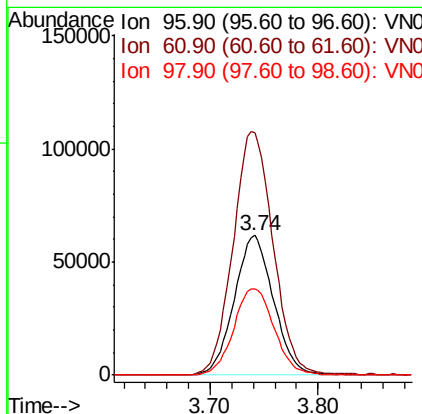
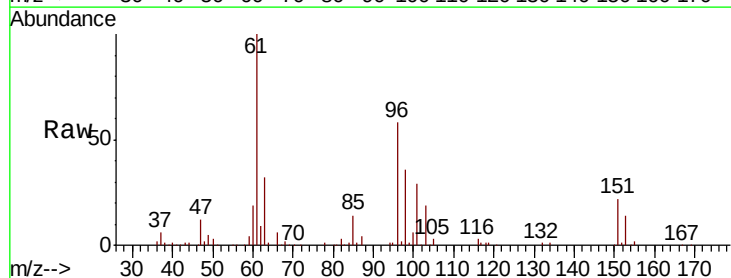
MMDadoda
 11/20/2018 2:58:31 PM

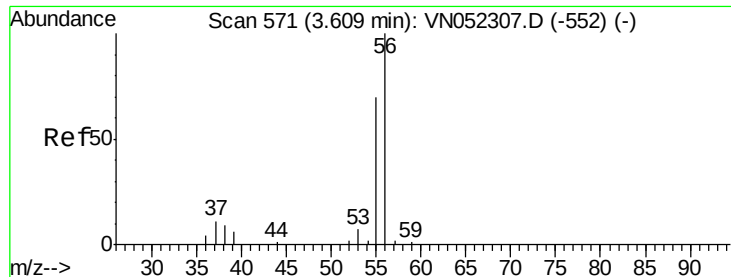


#12

1,1-Dichloroethene
 Concen: 48.120 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.0	149.6	224.4
98	61.7	54.2	81.2





#13

Acrolein

Concen: 236.104 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

ICVVN111418

Tot Ion: 56 Resp: 83177

Ion Ratio Lower Upper

56 100

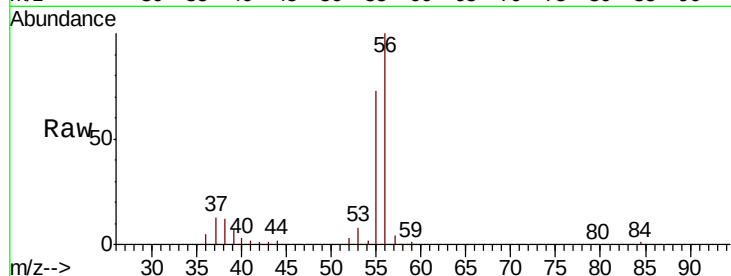
55 73.0 57.6 86.4

Manual Integrations

APPROVED

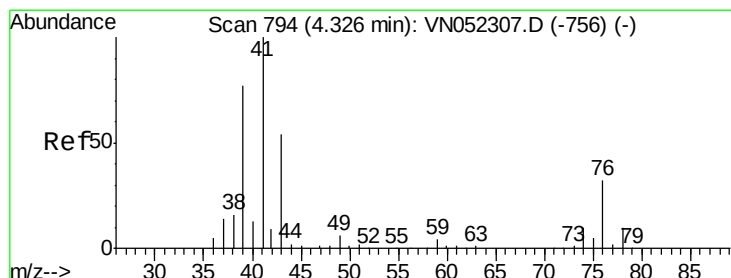
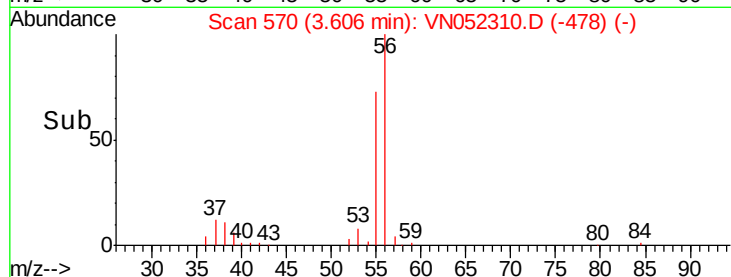
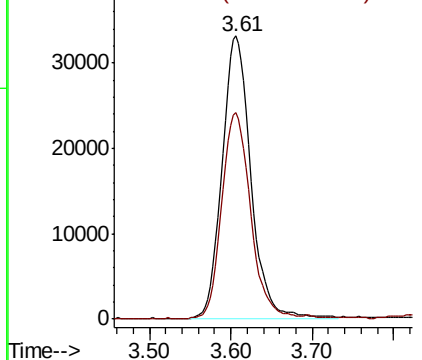
MMDadoda

11/20/2018 2:58:31 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.586 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

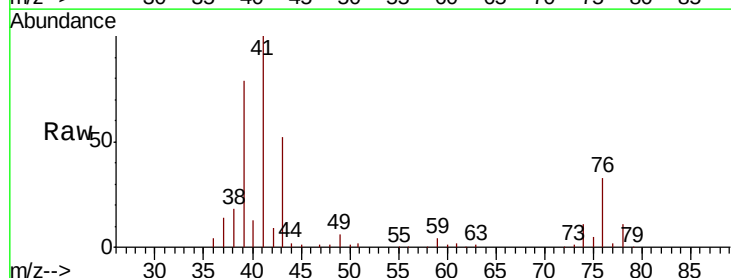
Tgt Ion: 41 Resp: 303433

Ion Ratio Lower Upper

41 100

39 79.4 59.1 88.7

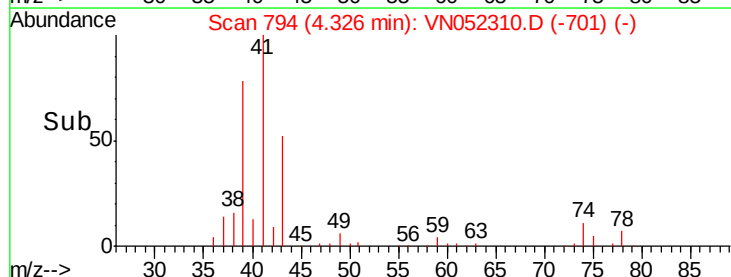
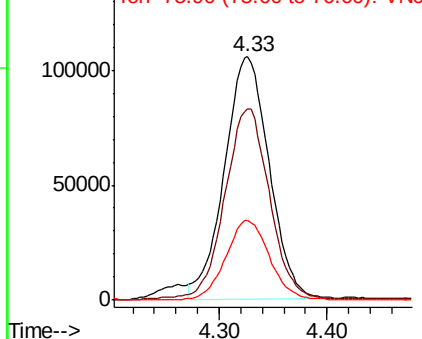
76 31.9 24.1 36.1

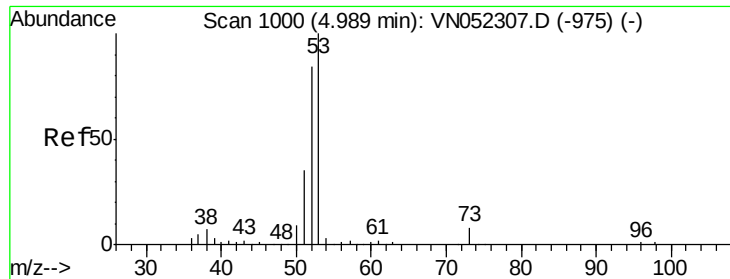


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 239.477 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

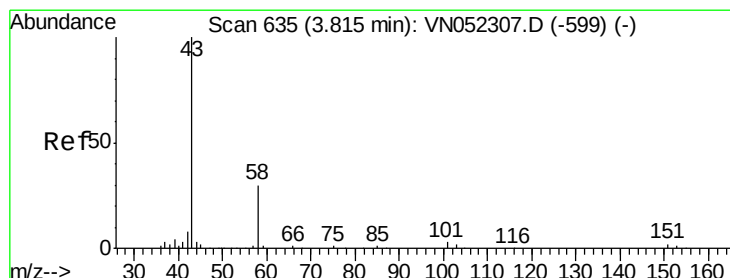
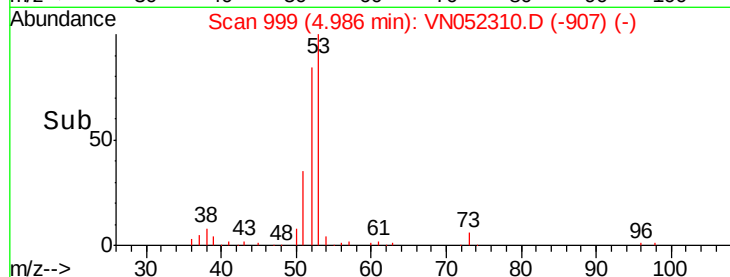
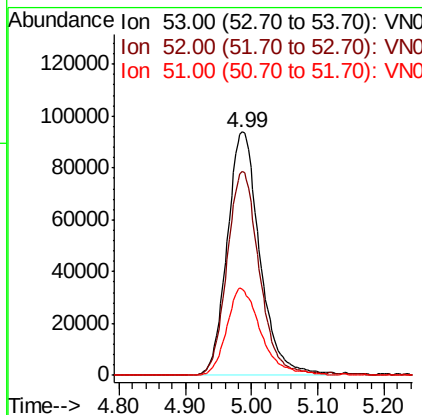
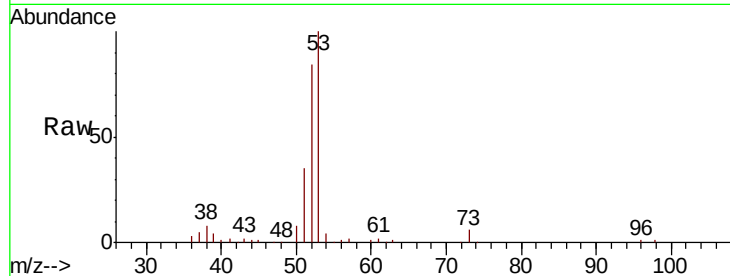
ClientSampleId :

ICVVN111418

Tot Ion:	53	Resp:	321192
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.5	101.3
51	36.8	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:31 PM



#16

Acetone

Concen: 238.951 ug/l

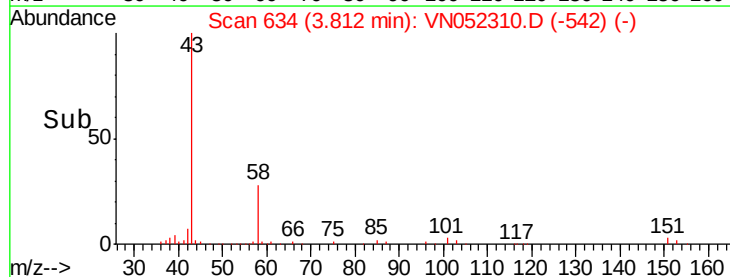
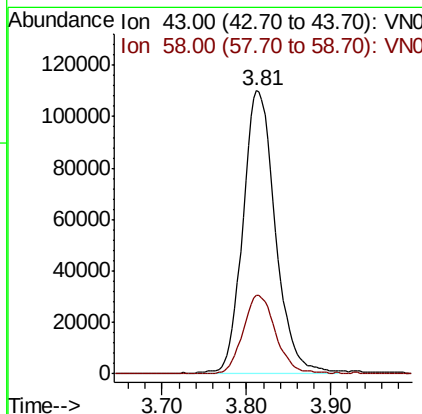
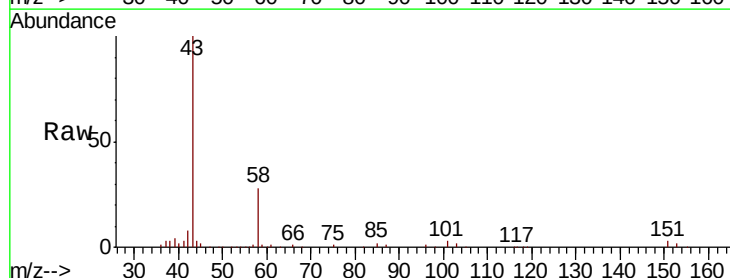
RT: 3.81 min Scan# 634

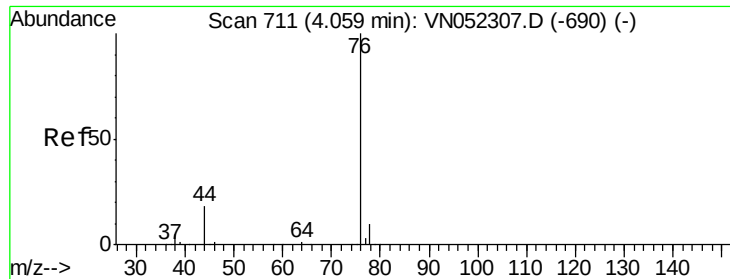
Delta R.T. -0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Tgt Ion:	43	Resp:	292616
Ion	Ratio	Lower	Upper
43	100		
58	27.9	24.2	36.4





#17

Carbon Disulfide

Concen: 48.493 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

ICVVN111418

Tot Ion: 76 Resp: 450763

Ion Ratio Lower Upper

76 100

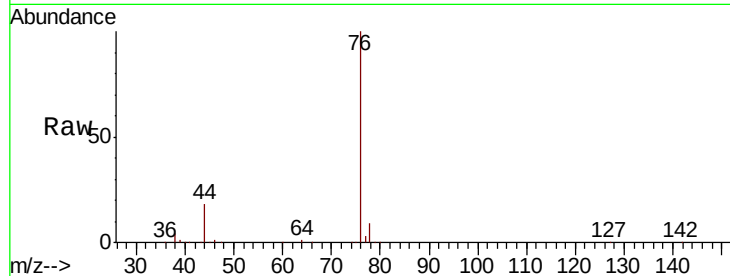
78 9.3 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

11/20/2018 2:58:31 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

150000

100000

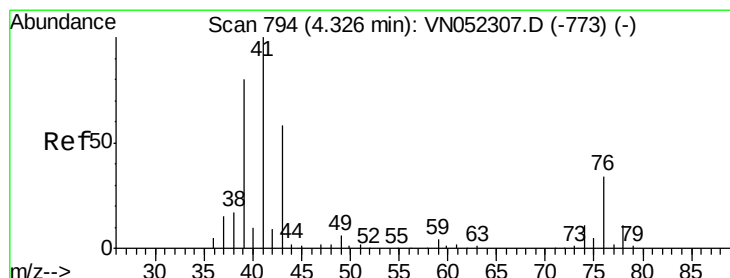
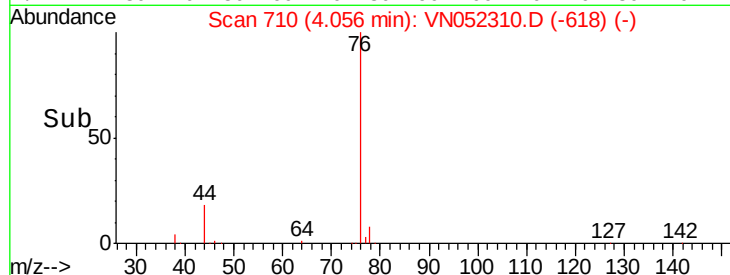
50000

0

4.06

4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 48.335 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052310.D

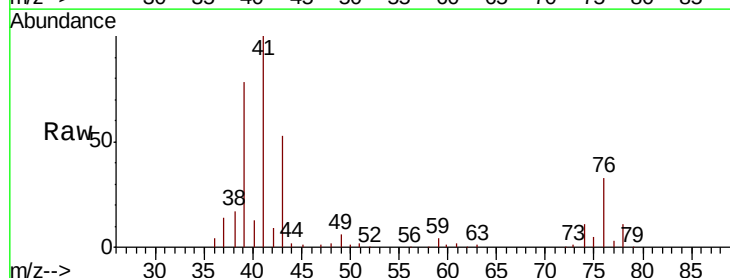
Acq: 14 Nov 2018 13:16

Tgt Ion: 43 Resp: 165815

Ion Ratio Lower Upper

43 100

74 19.7 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

60000

50000

40000

30000

20000

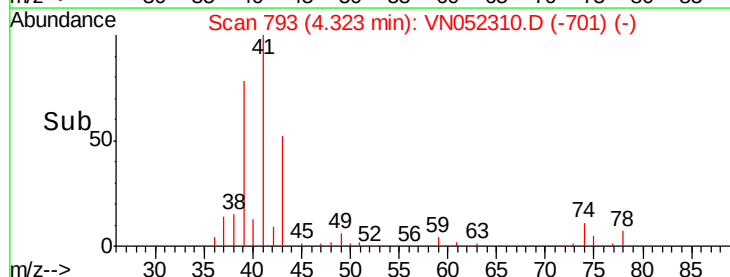
10000

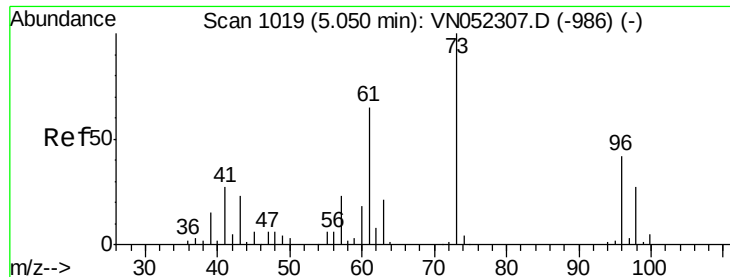
0

4.32

4.20 4.30 4.40

Time-->





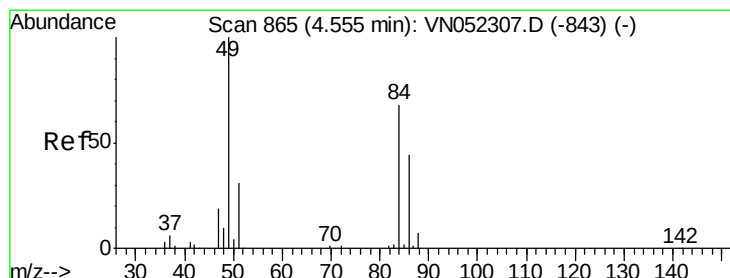
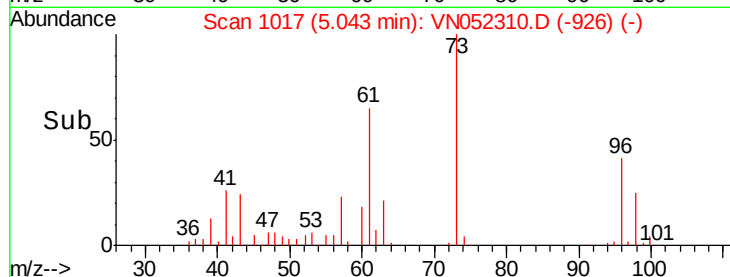
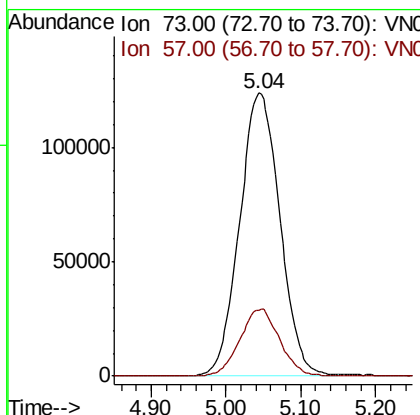
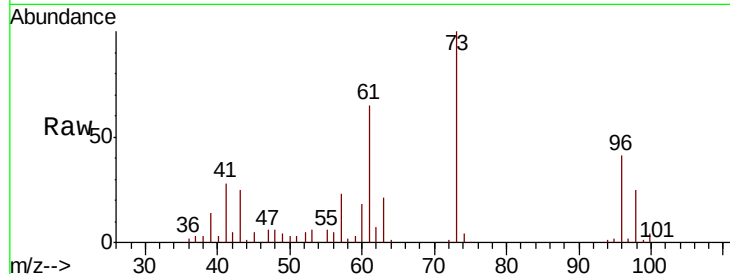
#19
Methyl tert-butyl Ether
Concen: 49.820 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.7	28.1

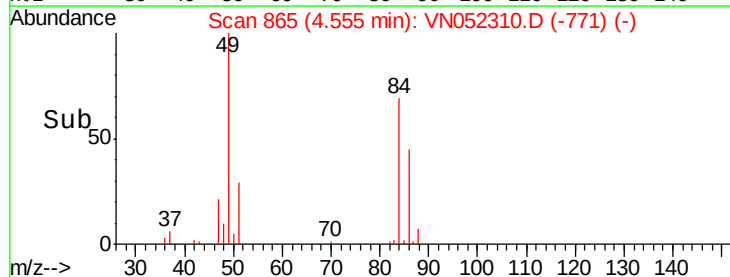
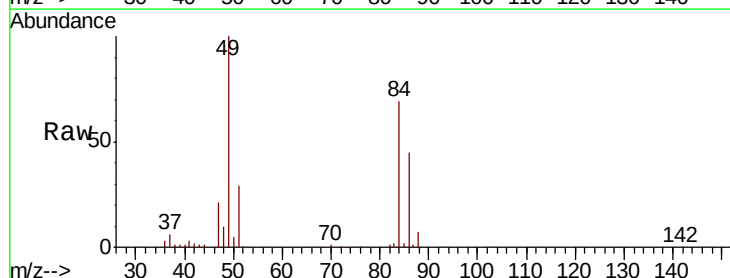
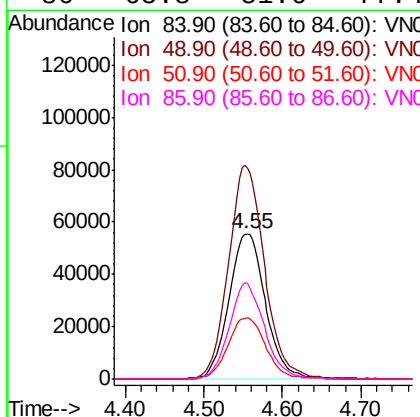
Manual Integrations
APPROVED

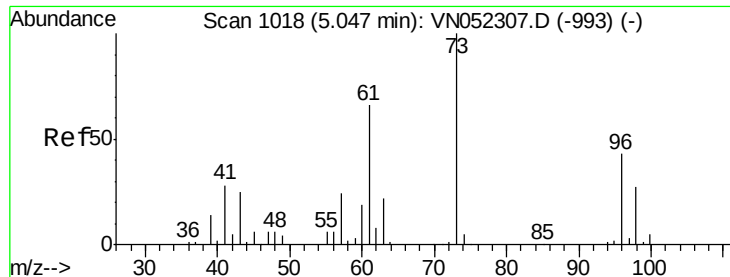
MMDadoda
11/20/2018 2:58:31 PM



#20
Methylene Chloride
Concen: 48.291 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.9	118.2	177.2
51	42.1	36.1	54.1
86	65.8	51.6	77.4





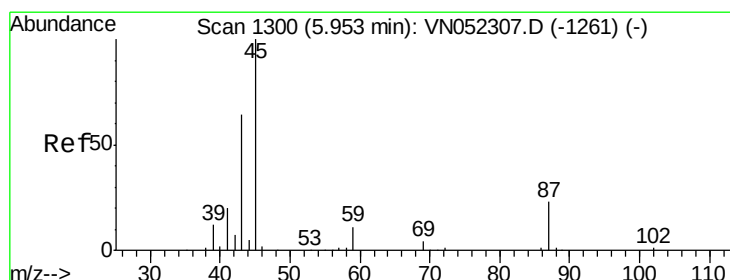
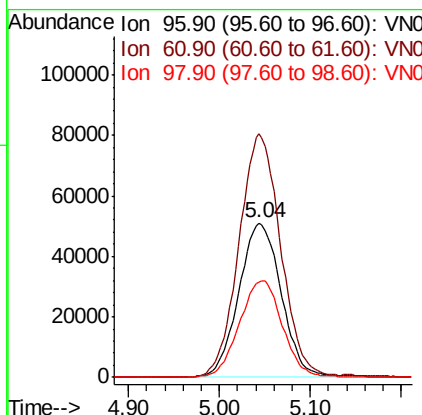
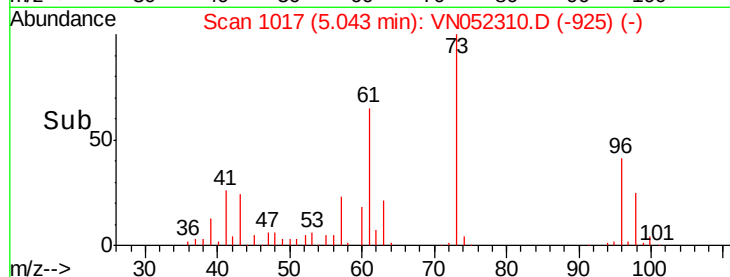
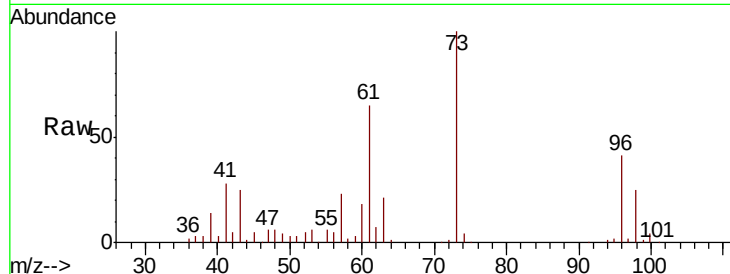
#21
trans-1,2-Dichloroethene
Concen: 47.208 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.6	123.6	185.4
98	61.6	50.7	76.1

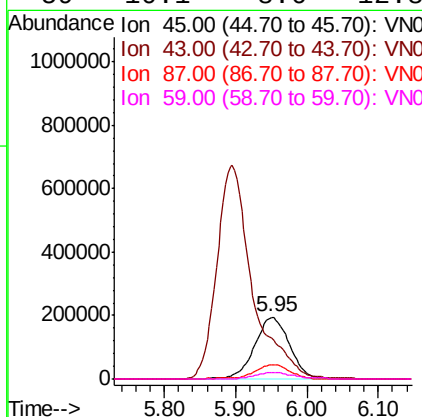
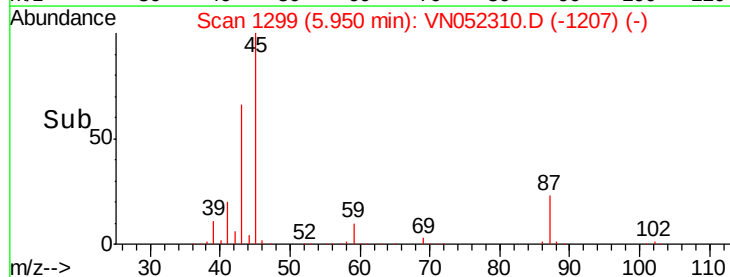
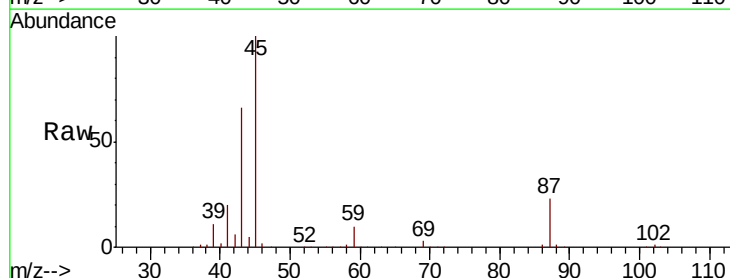
Manual Integrations
APPROVED

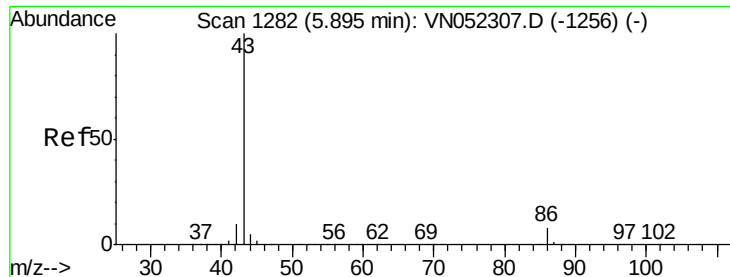
MMDadoda
11/20/2018 2:58:31 PM



#22
Diisopropyl ether
Concen: 48.552 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.4	51.4	77.2
87	23.1	18.8	28.2
59	10.1	8.6	12.8





#23

Vinyl Acetate

Concen: 253.508 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

ICVVN111418

Tot Ion: 43 Resp: 233556

Ion Ratio Lower Upper

43 100

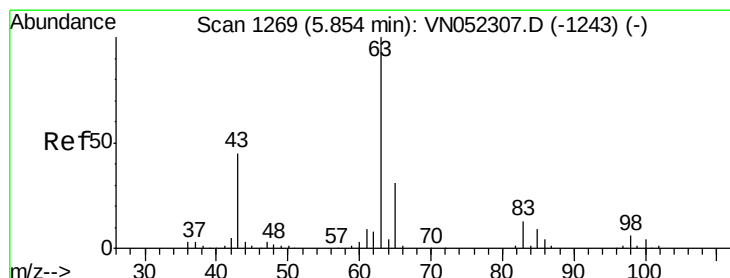
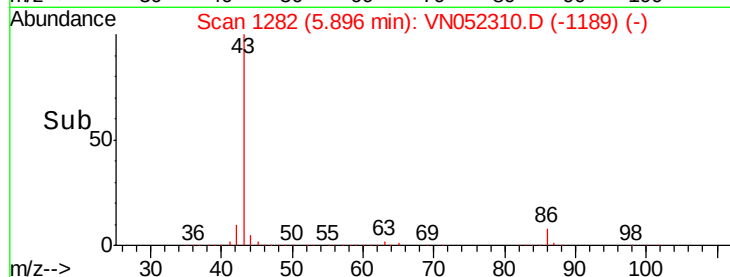
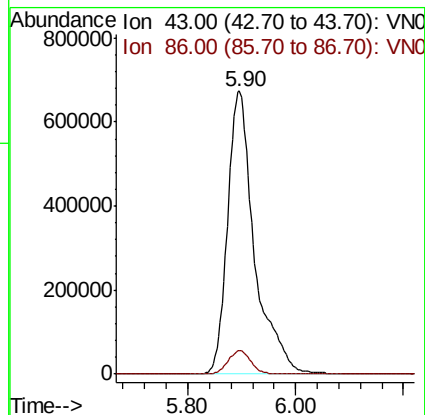
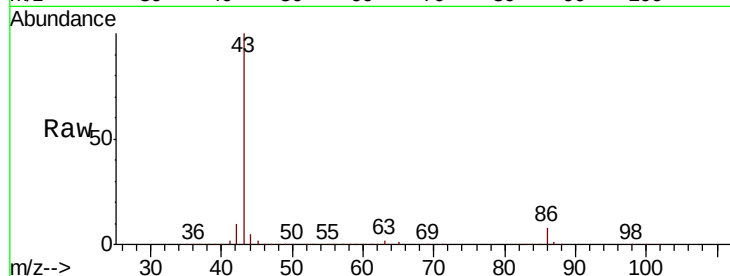
86 8.3 6.5 9.7

Manual Integrations

APPROVED

MMDadoda

11/20/2018 2:58:31 PM



#24

1,1-Dichloroethane

Concen: 46.737 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

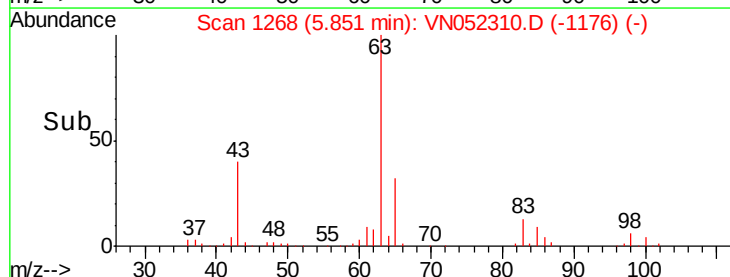
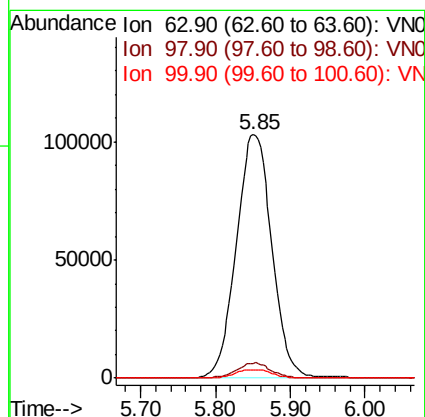
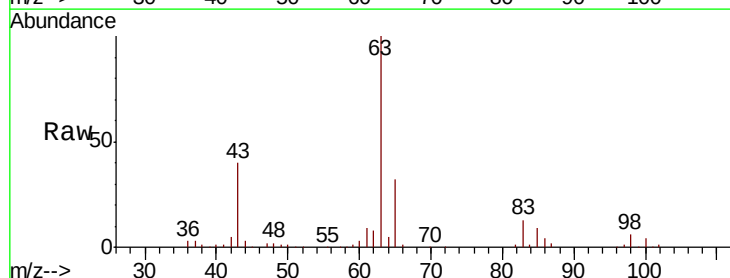
Tgt Ion: 63 Resp: 340358

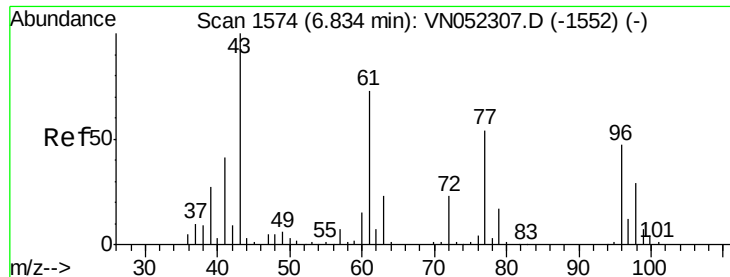
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

100 3.5 1.9 5.7





#25

2-Butanone

Concen: 243.768 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

ICVVN111418

Tot Ion: 43 Resp: 420182

Ion Ratio Lower Upper

43 100

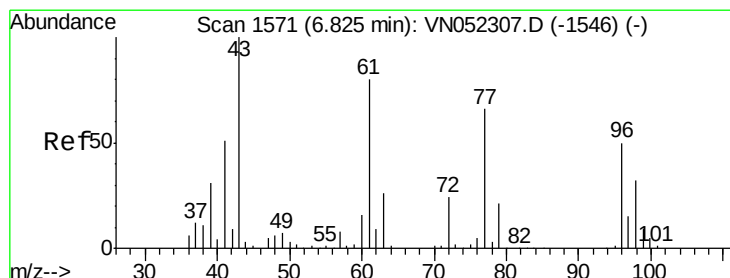
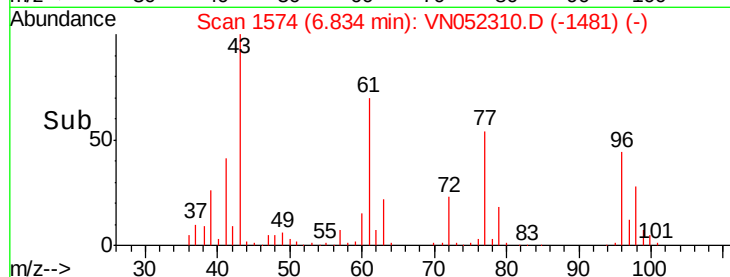
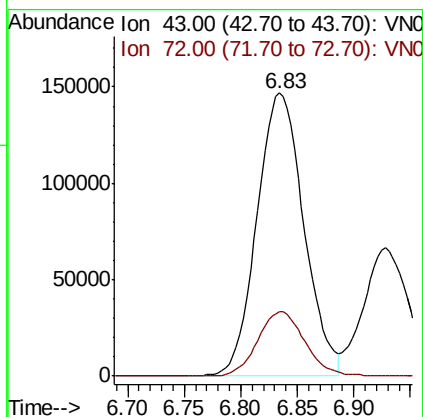
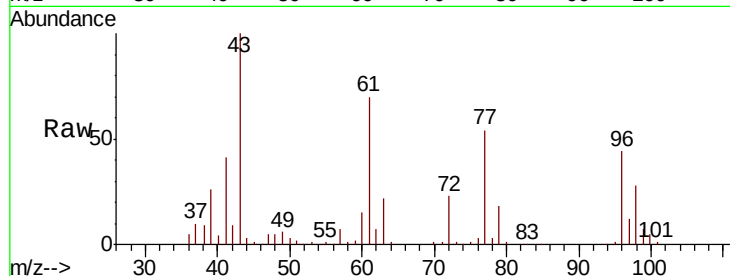
72 22.6 18.6 27.8

Manual Integrations

APPROVED

MMDadoda

11/20/2018 2:58:31 PM



#26

2,2-Dichloropropane

Concen: 50.160 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN052310.D

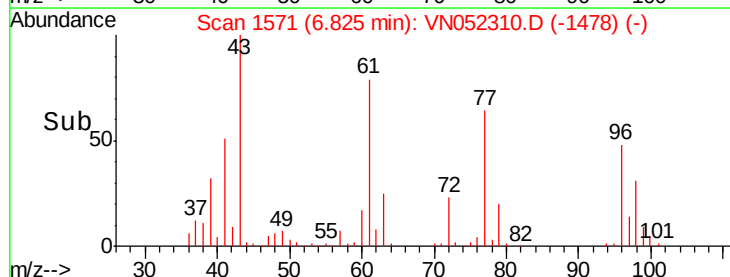
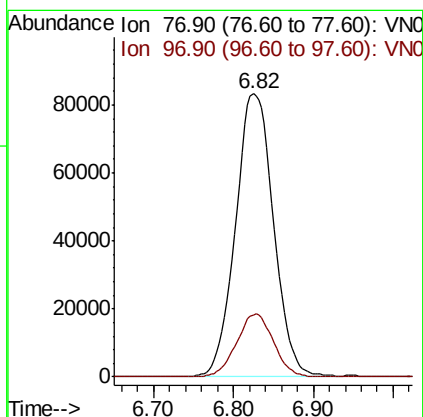
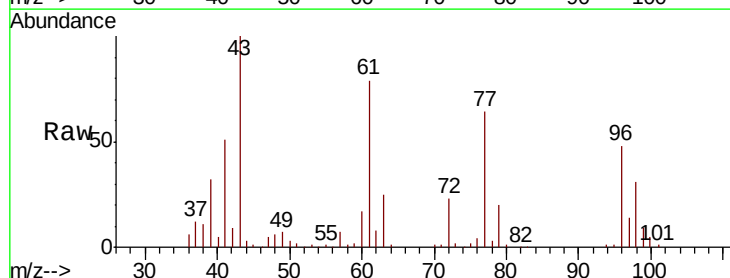
Acq: 14 Nov 2018 13:16

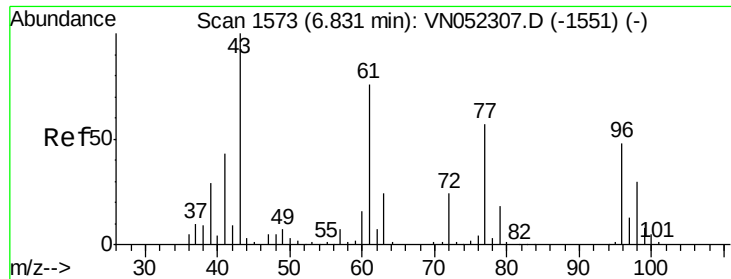
Tgt Ion: 77 Resp: 268602

Ion Ratio Lower Upper

77 100

97 21.6 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 46.041 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

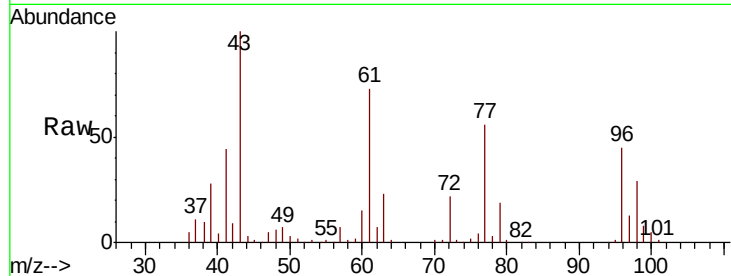
ClientSampleId :

ICVVN111418

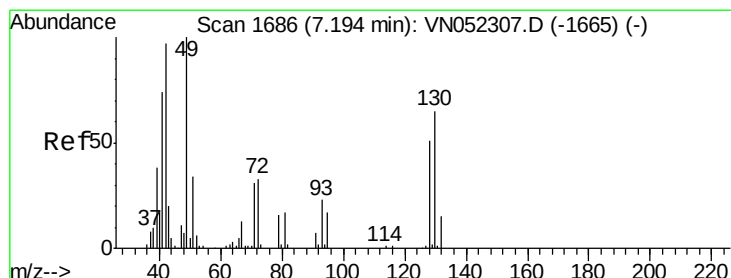
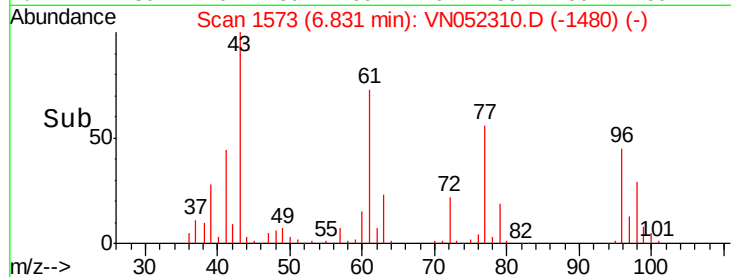
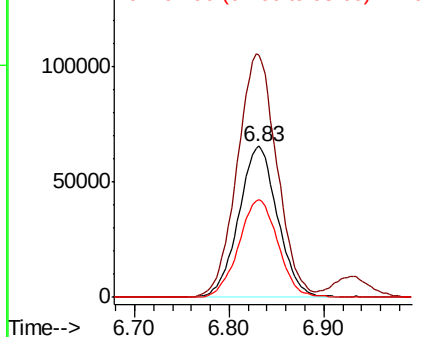
Tot Ion:	96	Resp:	187062
Ion Ratio	Lower	Upper	
96	100		
61	164.8	0.0	316.8
98	65.4	0.0	126.6

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:31 PM



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: 46.485 ug/l

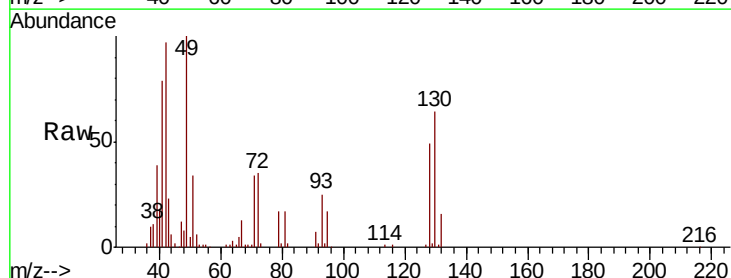
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

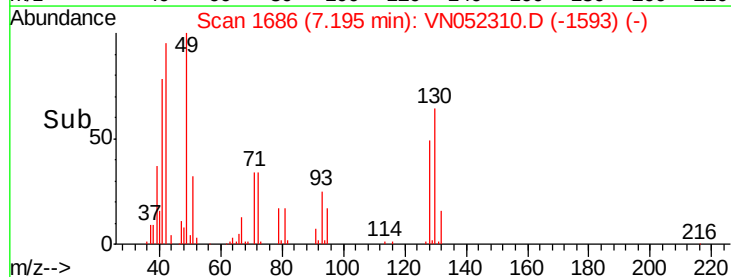
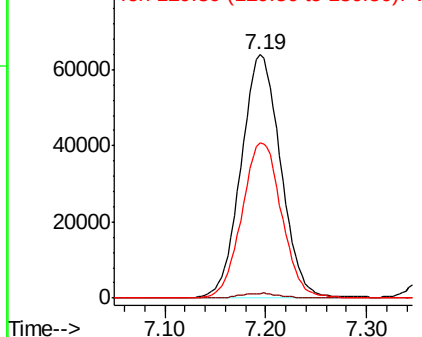
Lab File: VN052310.D

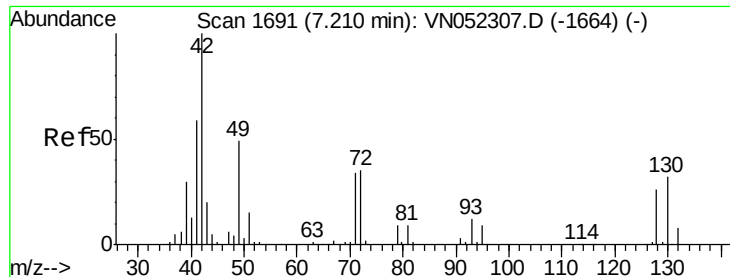
Acq: 14 Nov 2018 13:16

Tgt Ion:	49	Resp:	174064
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.0
130	64.2	50.4	75.6



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





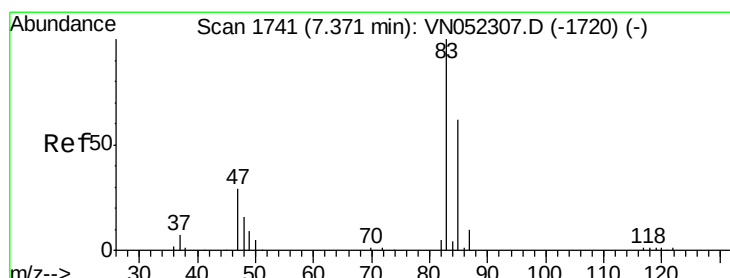
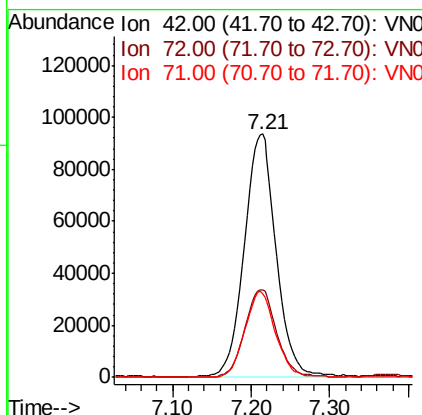
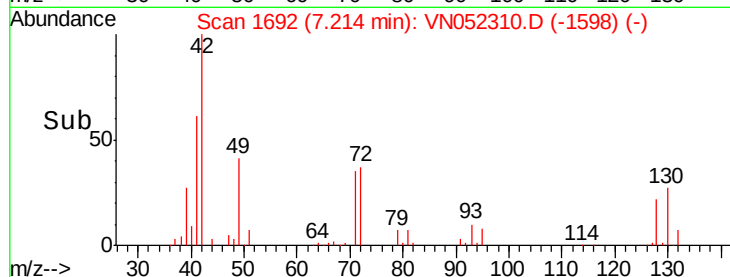
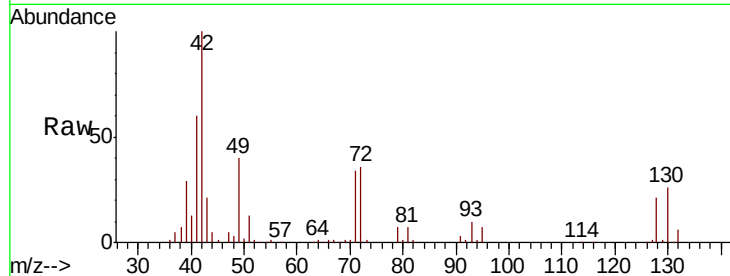
#29
Tetrahydrofuran
Concen: 237.621 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	28.6	42.8
71	33.9	26.7	40.1

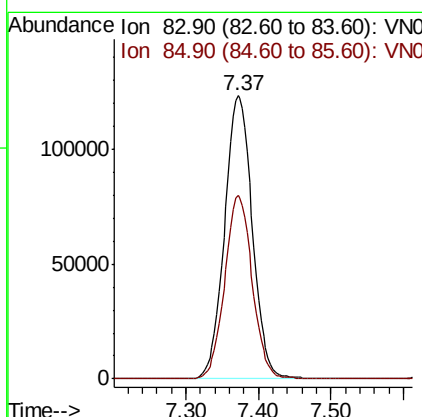
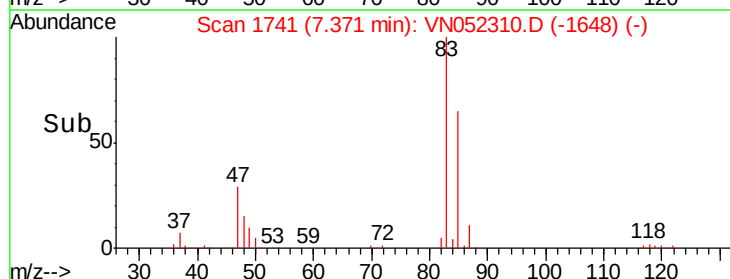
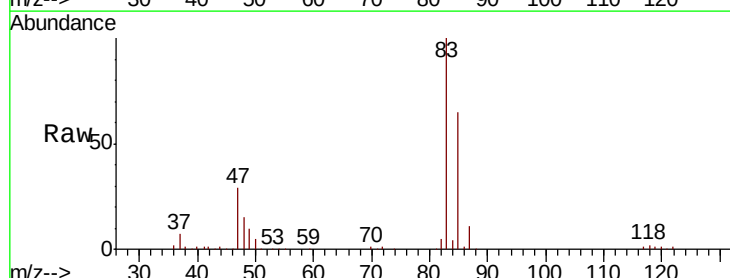
Manual Integrations
APPROVED

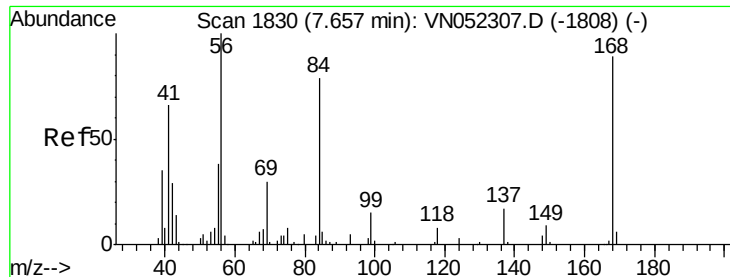
MMDadoda
11/20/2018 2:58:31 PM



#30
Chloroform
Concen: 47.232 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	49.4	74.2





#31

Cyclohexane

Concen: 48.509 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

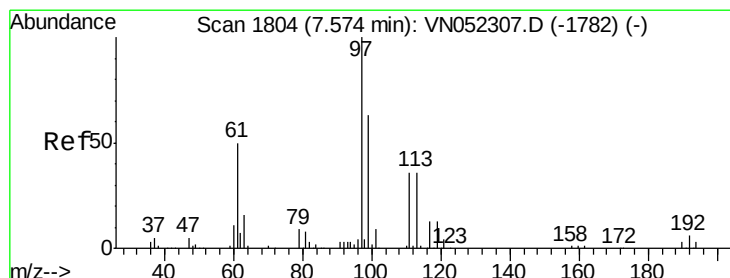
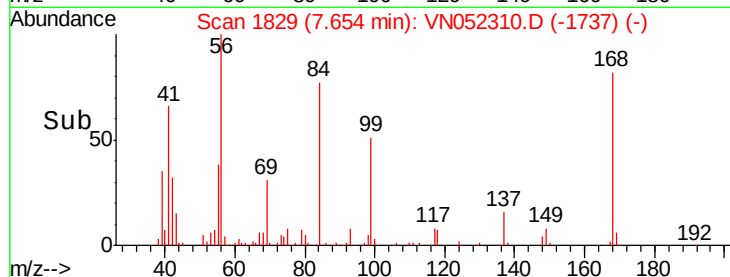
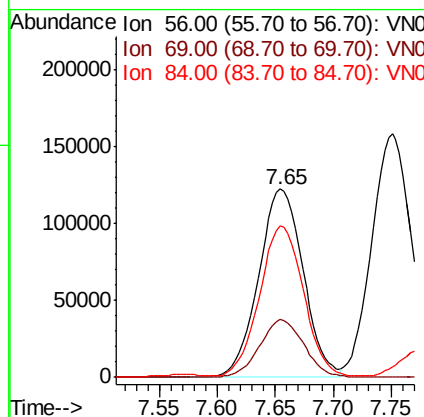
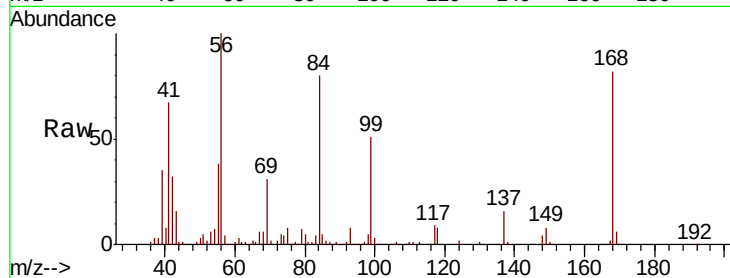
ClientSampleId :

ICVVN111418

Tot Ion:	56	Resp:	328204
Ion Ratio	Lower	Upper	
56	100		
69	30.5	23.8	35.8
84	79.0	63.0	94.6

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:31 PM



#32

1,1,1-Trichloroethane

Concen: 46.542 ug/l

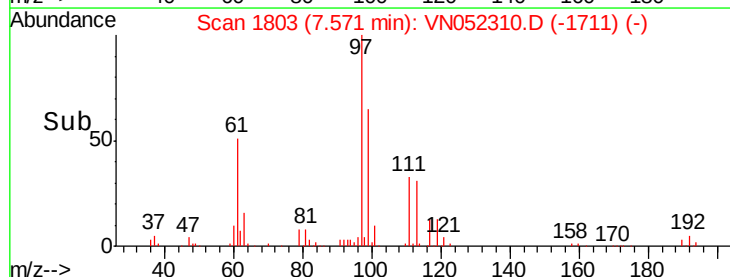
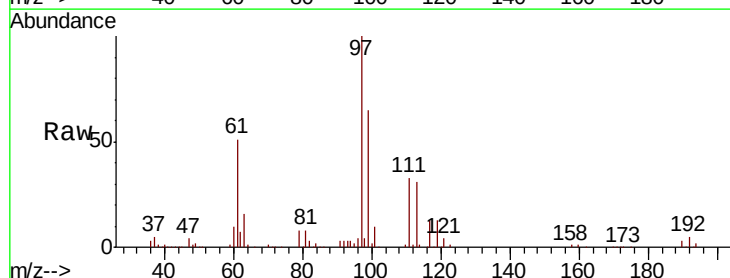
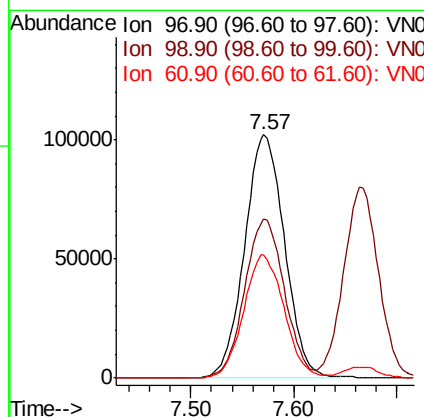
RT: 7.57 min Scan# 1803

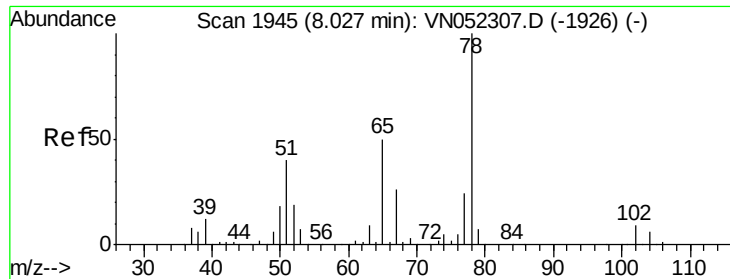
Delta R.T. -0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Tgt Ion:	97	Resp:	275165
Ion Ratio	Lower	Upper	
97	100		
99	65.1	50.2	75.2
61	51.1	40.2	60.4





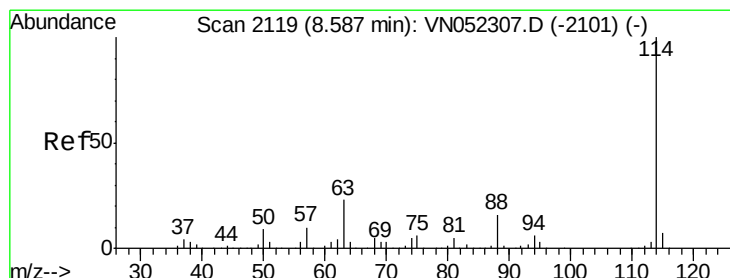
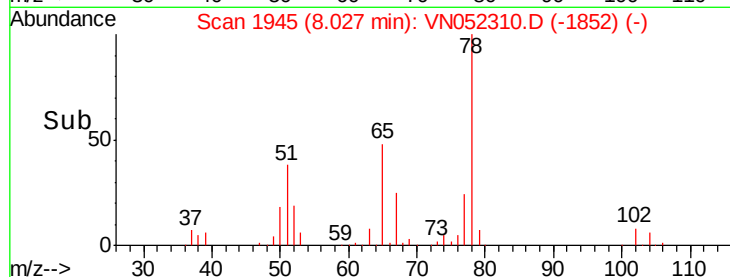
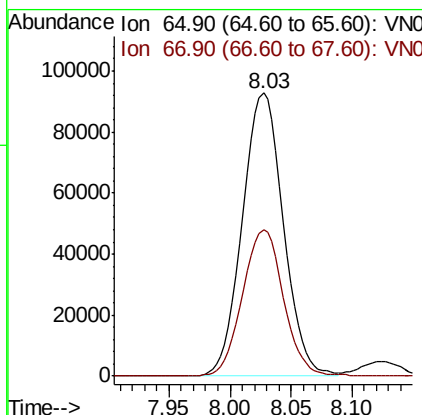
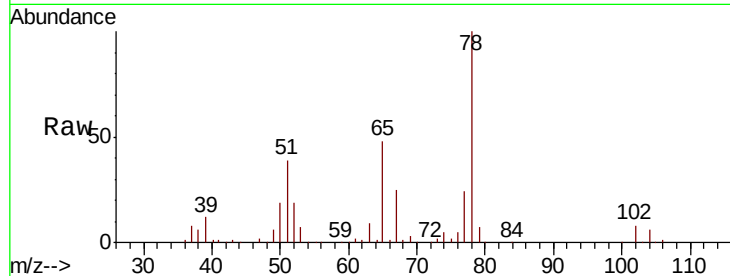
#33
 1,2-Dichloroethane-d4
 Concen: 46.542 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111418

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.8	0.0	105.2	

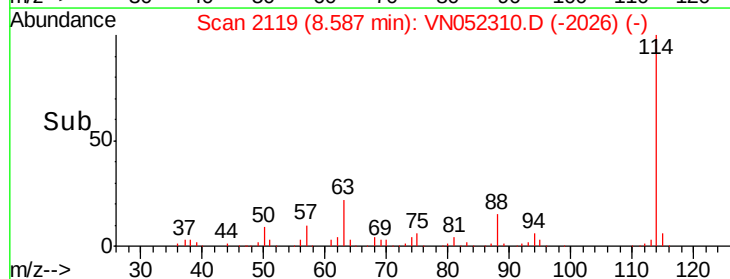
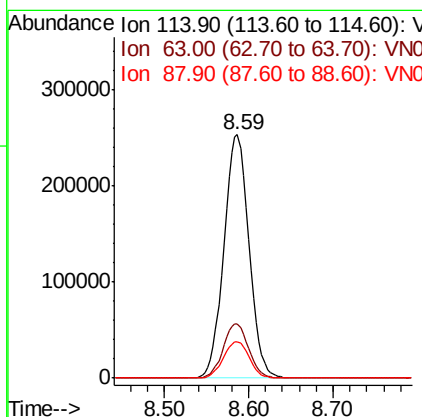
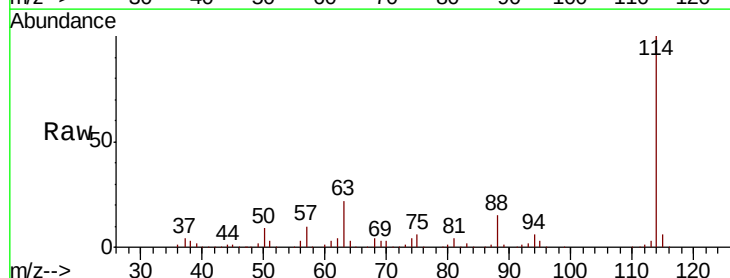
Manual Integrations
 APPROVED

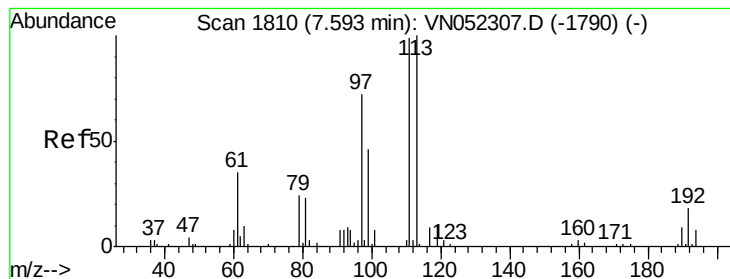
MMDadoda
 11/20/2018 2:58:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.4	0.0	45.4	
88	14.9	0.0	31.2	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

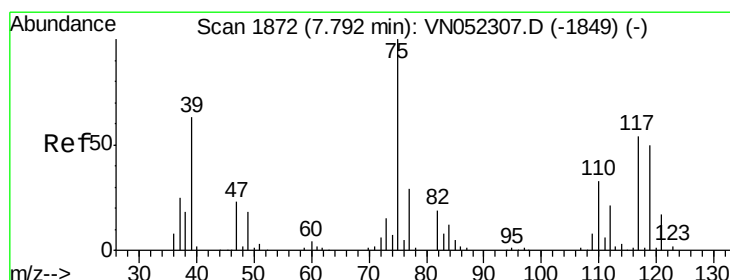
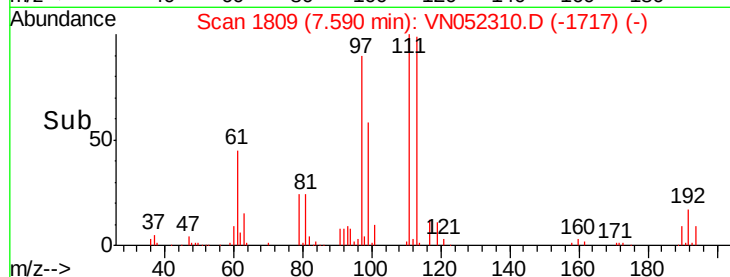
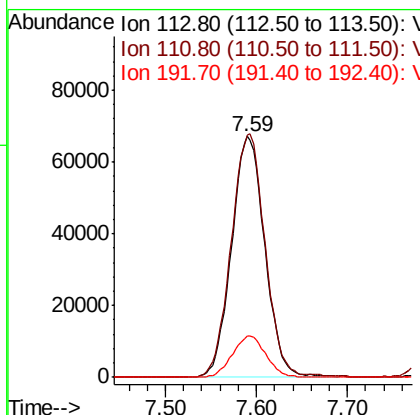
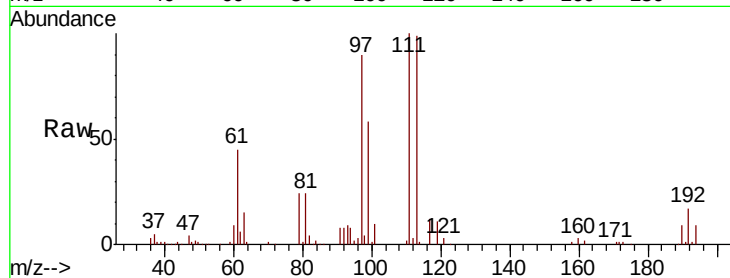
ClientSampleId :

ICVVN111418

Tot Ion:	113	Resp:	170340
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.0	121.6
192	17.3	13.8	20.6

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:31 PM



#36

1,1-Dichloropropene

Concen: 48.954 ug/l

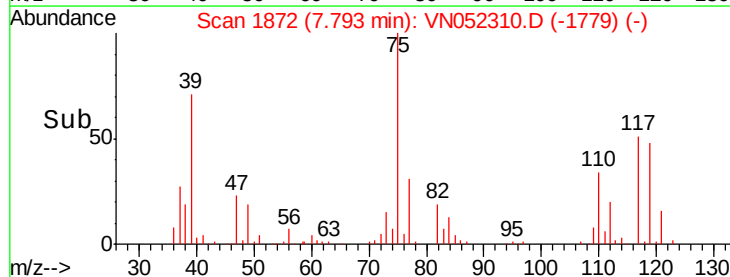
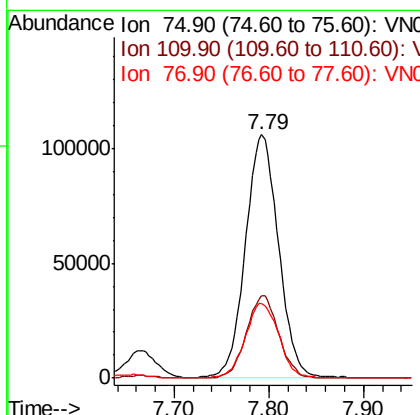
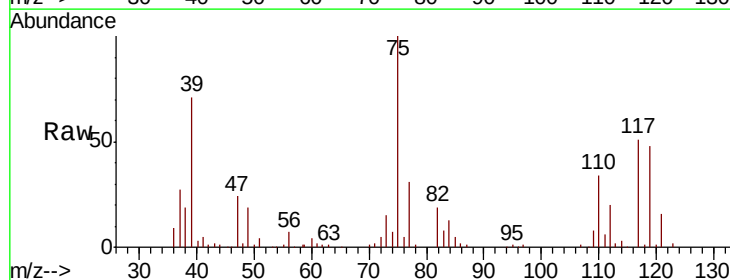
RT: 7.79 min Scan# 1872

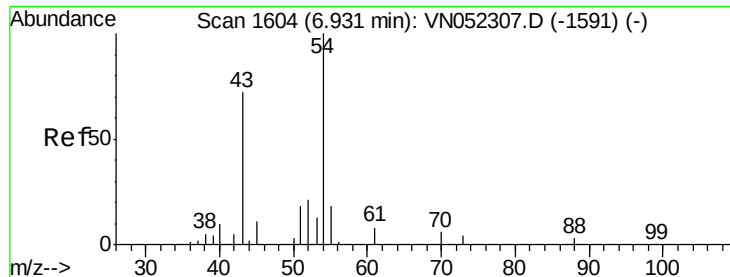
Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Tgt Ion:	75	Resp:	256112
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.5	49.5
77	31.5	24.2	36.2





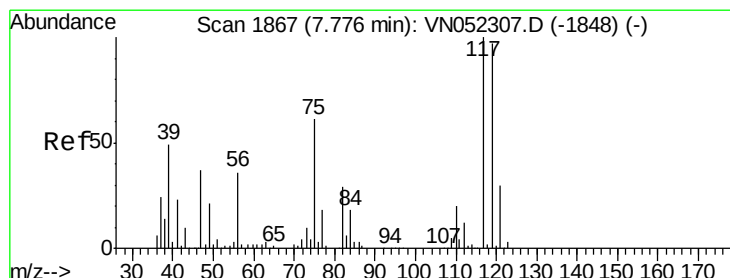
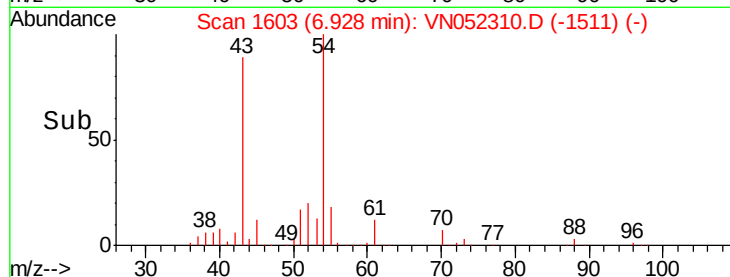
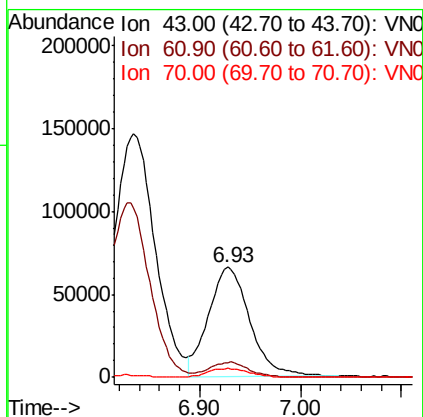
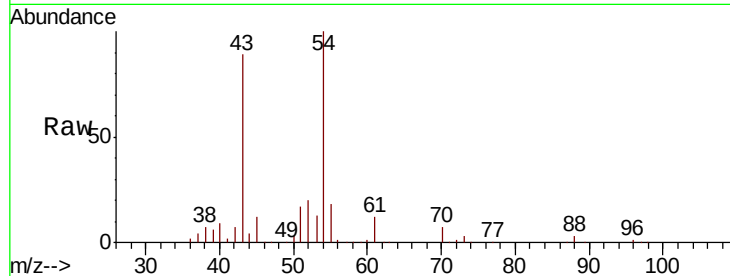
#37
Ethyl Acetate
Concen: 49.300 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	8.2	5.6	8.4

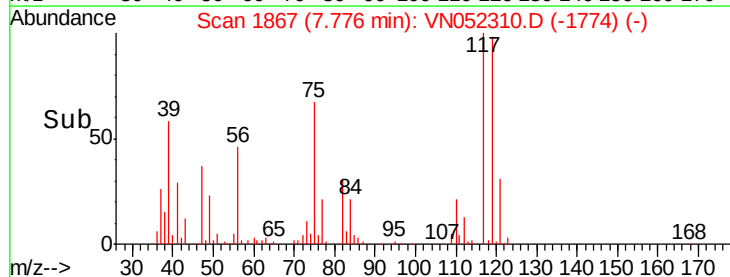
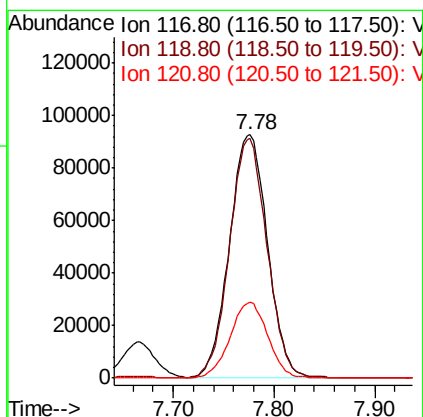
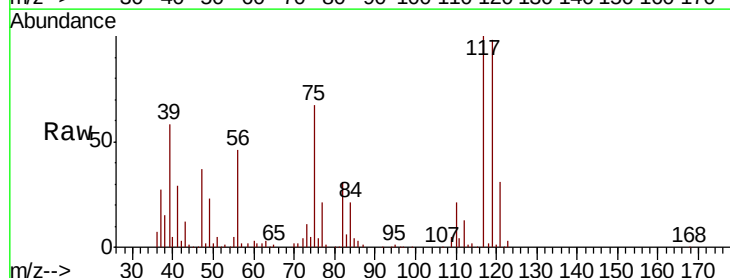
Manual Integrations
APPROVED

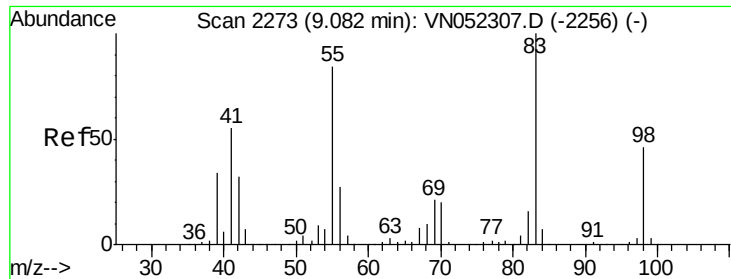
MMDadoda
11/20/2018 2:58:31 PM



#38
Carbon Tetrachloride
Concen: 50.379 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	77.4	116.0
121	31.4	24.0	36.0





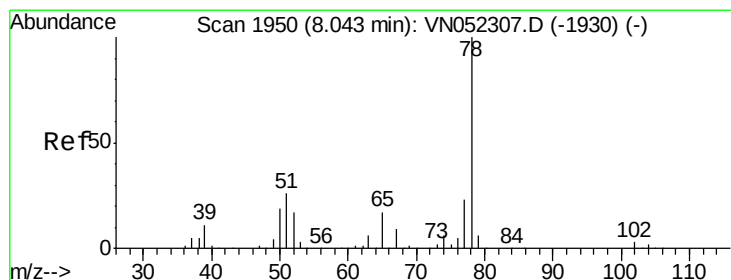
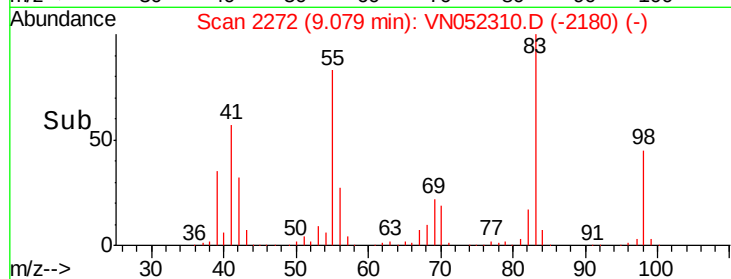
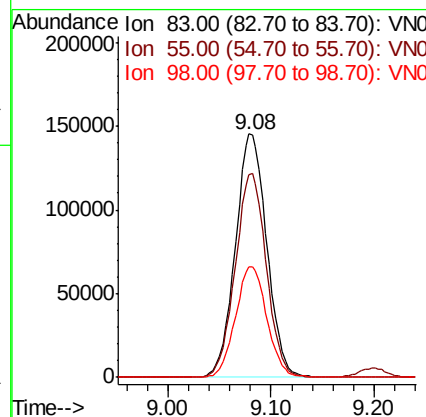
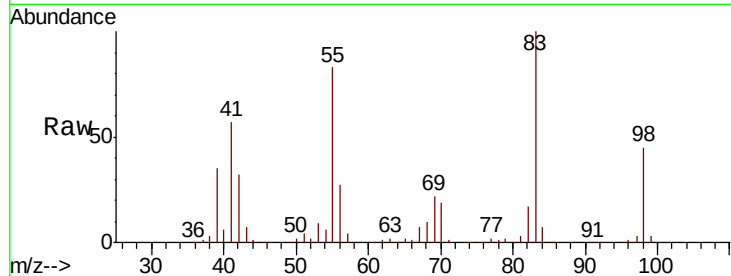
#39
Methylvlcyclohexane
Concen: 51.599 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.4	66.8	100.2	
98	45.5	36.4	54.6	

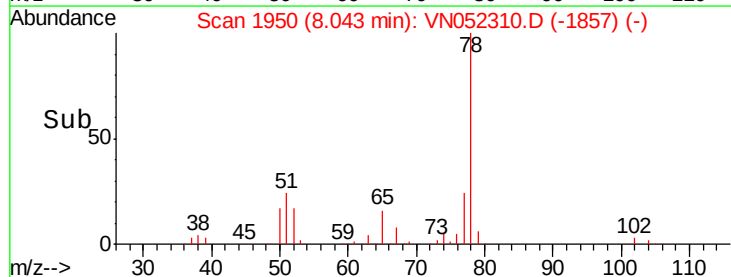
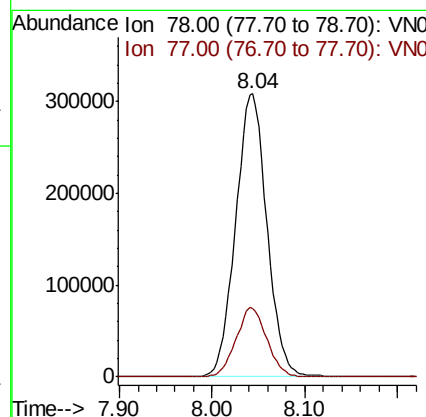
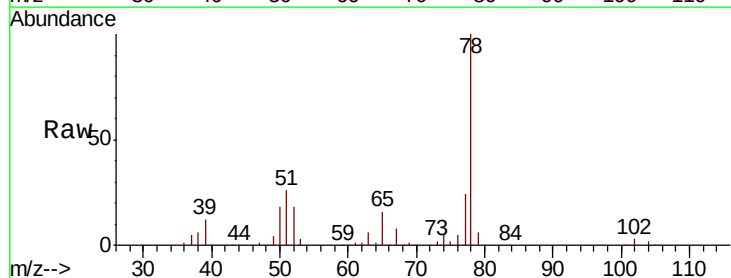
Manual Integrations
APPROVED

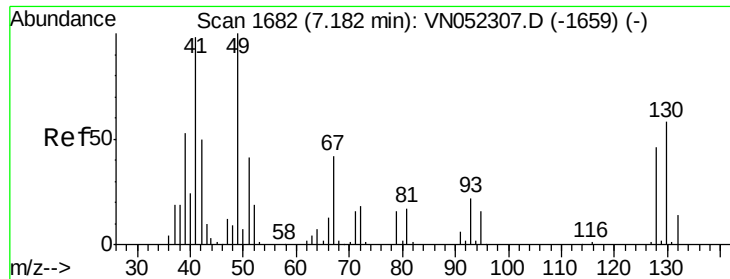
MMDadoda
11/20/2018 2:58:31 PM



#40
Benzene
Concen: 48.338 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.4	18.7	28.1	





#41

Methacrylonitrile

Concen: 47.291 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

ICVVN111418

Tot Ion: 41 Resp: 99270

Ion Ratio Lower Upper

41 100

39 67.0 0.0 0.0#

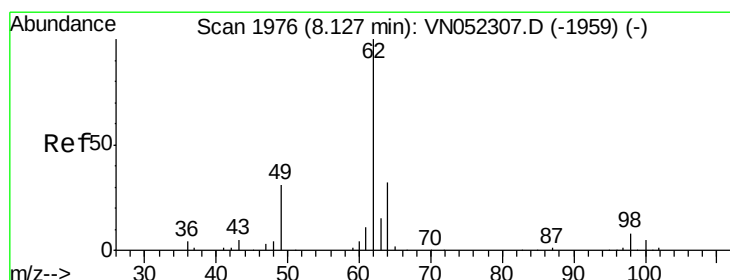
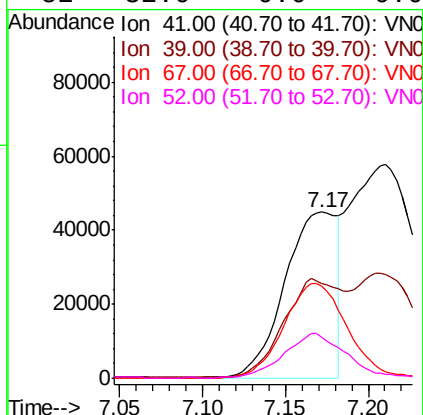
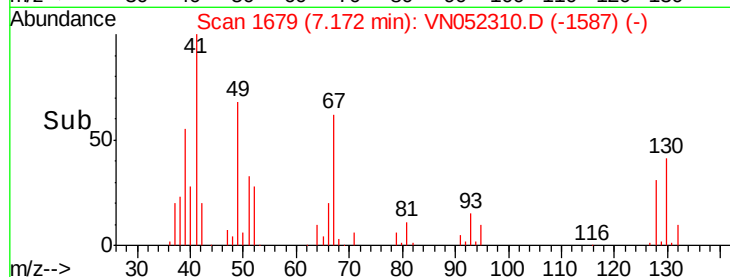
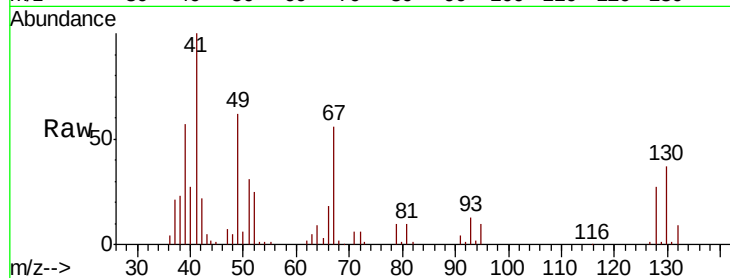
67 68.7 0.0 0.0#

52 32.0 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

11/20/2018 2:58:31 PM



#42

1,2-Dichloroethane

Concen: 48.663 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN052310.D

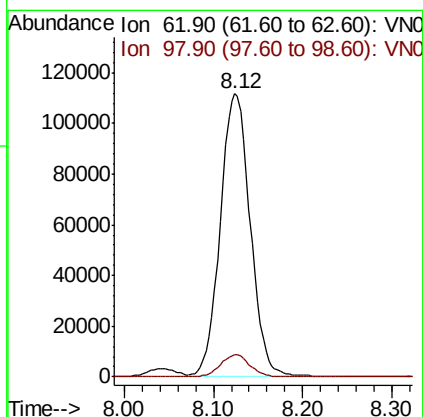
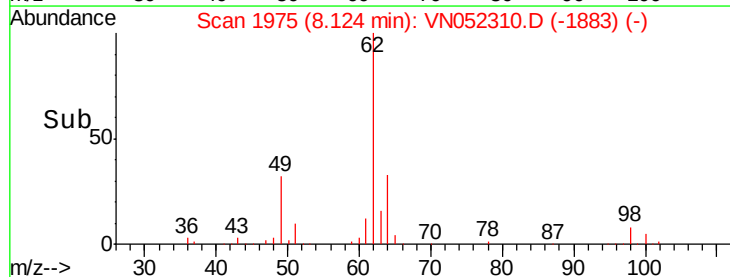
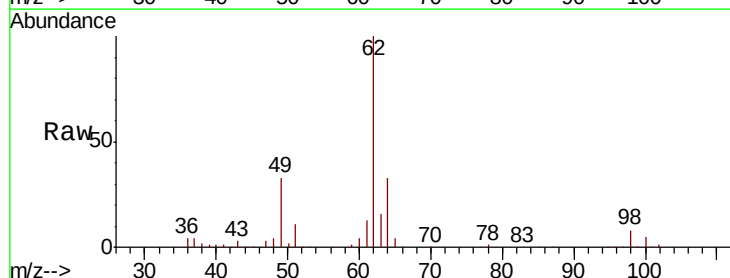
Acq: 14 Nov 2018 13:16

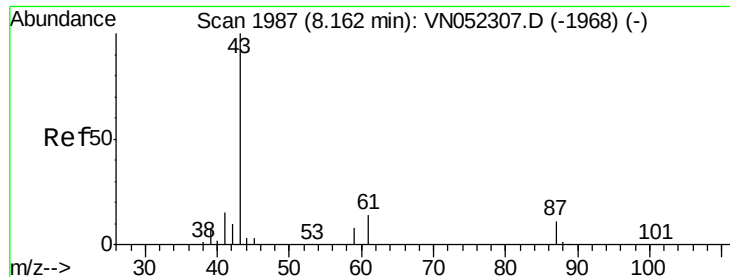
Tgt Ion: 62 Resp: 259354

Ion Ratio Lower Upper

62 100

98 7.7 0.0 15.6





#43

Isopropyl Acetate

Concen: 47.399 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

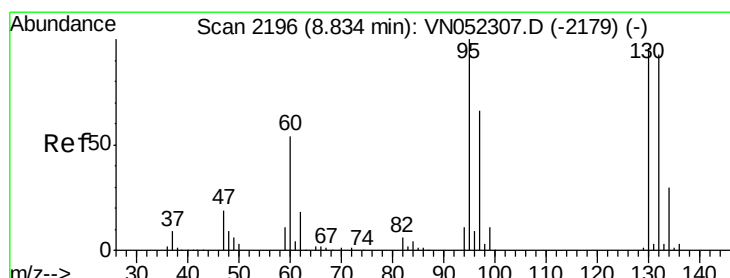
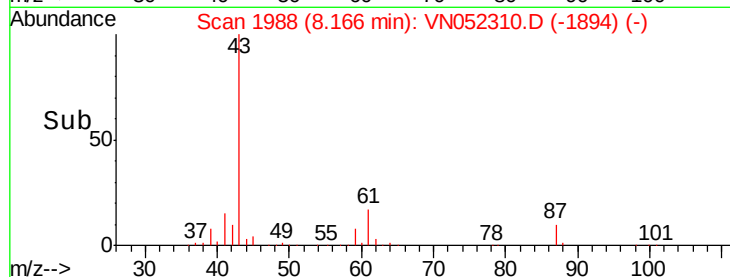
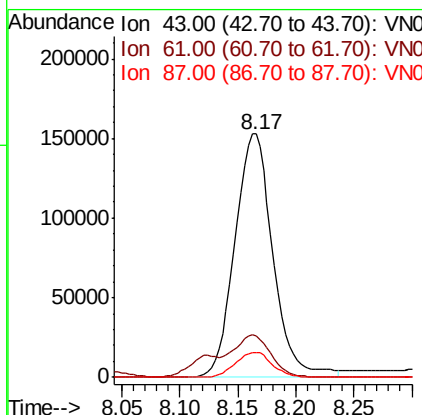
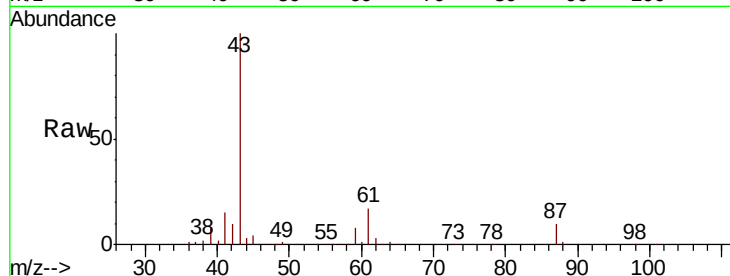
ClientSampleId :

ICVVN111418

Tot Ion:	43	Resp:	347279
Ion	Ratio	Lower	Upper
43	100		
61	16.1	12.0	18.0
87	10.0	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:31 PM



#44

Trichloroethene

Concen: 49.942 ug/l

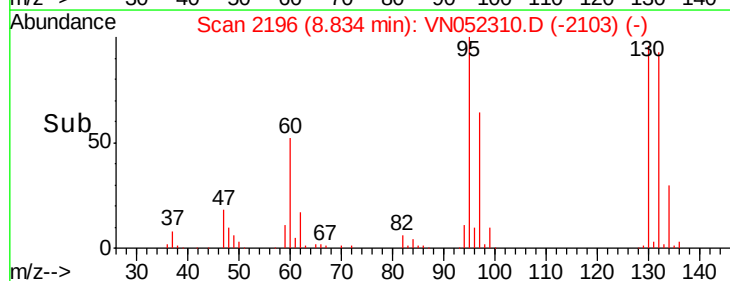
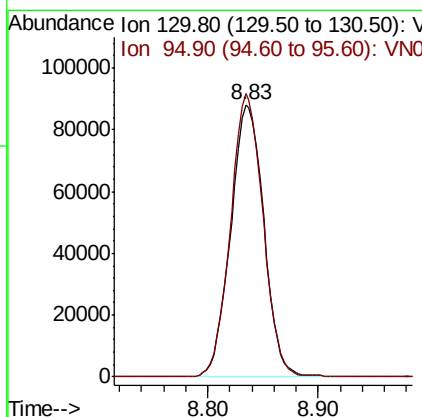
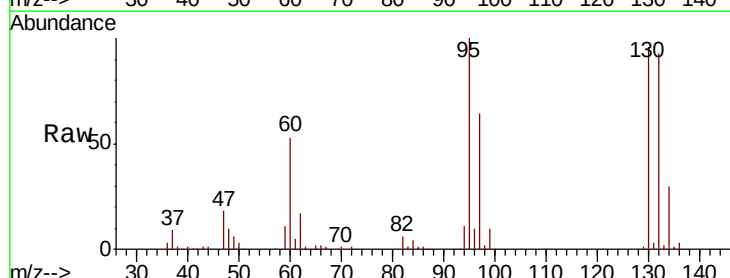
RT: 8.83 min Scan# 2196

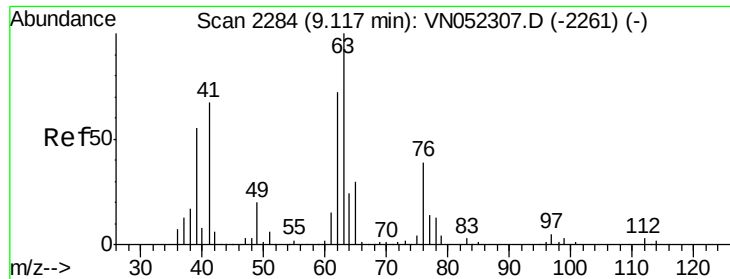
Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Tgt Ion:	130	Resp:	183863
Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	208.4





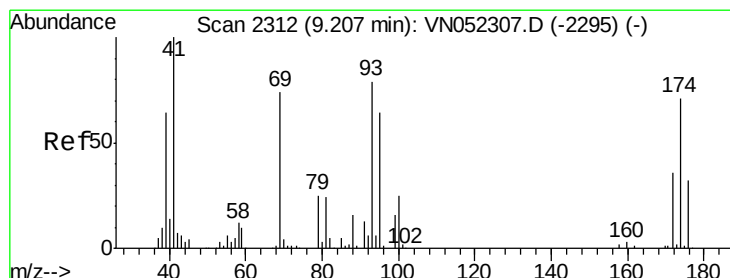
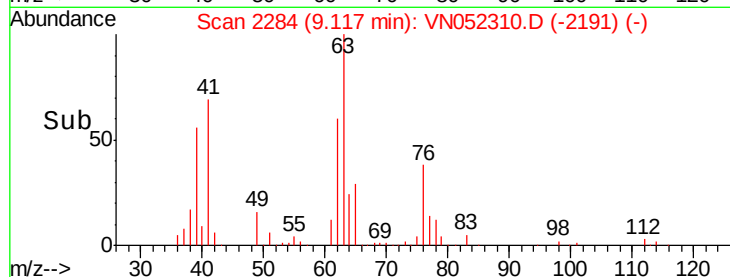
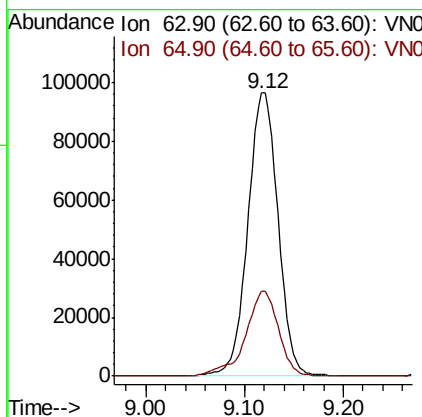
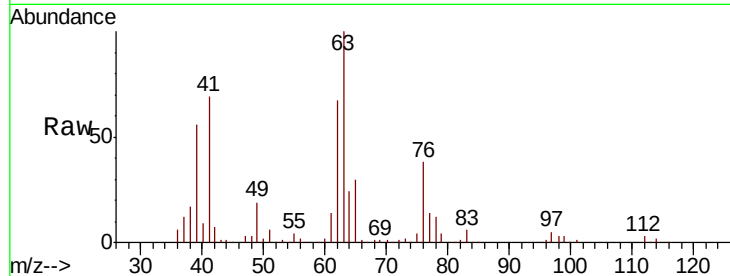
#45
 1,2-Dichloropropane
 Concen: 48.043 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111418

Tot Ion: 63 Resp: 203778
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.2 36.4

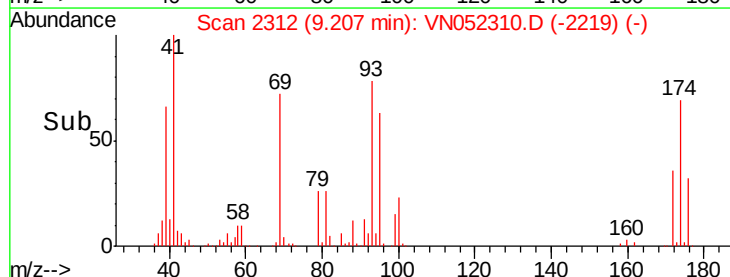
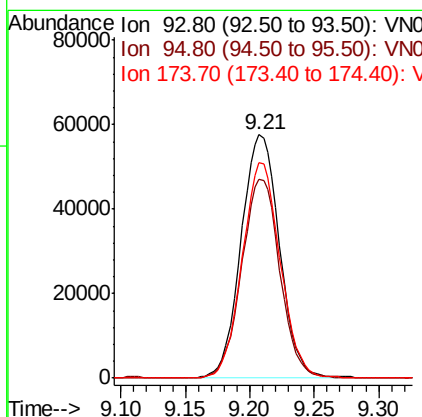
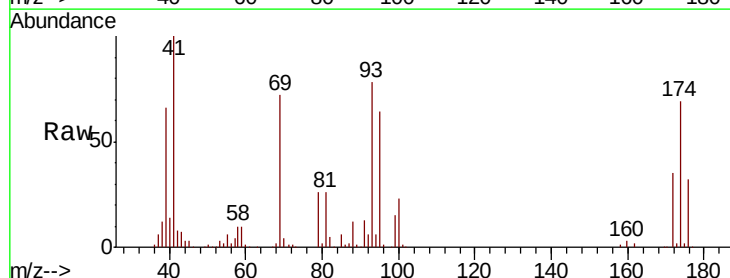
Manual Integrations
 APPROVED

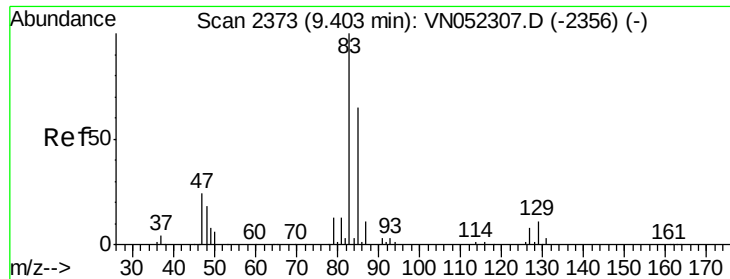
MMDadoda
 11/20/2018 2:58:31 PM



#46
 Dibromomethane
 Concen: 48.619 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Tgt Ion: 93 Resp: 119382
 Ion Ratio Lower Upper
 93 100
 95 81.7 64.2 96.2
 174 87.7 70.9 106.3





#47

Bromodichloromethane

Concen: 49.577 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

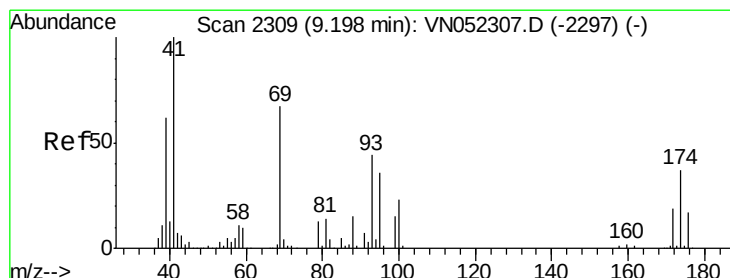
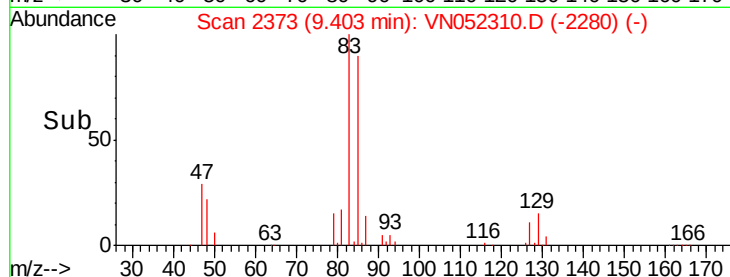
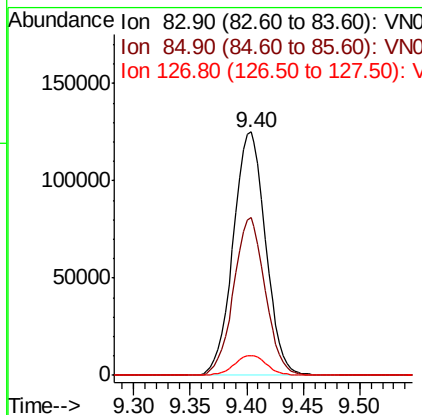
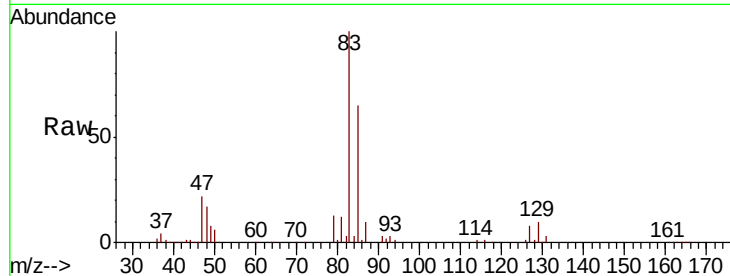
ClientSampleId :

ICVVN111418

Tot Ion:	83	Resp:	249806
Ion Ratio	Lower	Upper	
83	100		
85	64.9	52.2	78.4
127	8.2	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:31 PM



#48

Methyl methacrylate

Concen: 47.358 ug/l

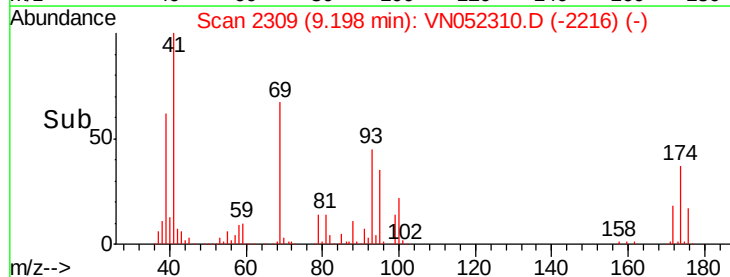
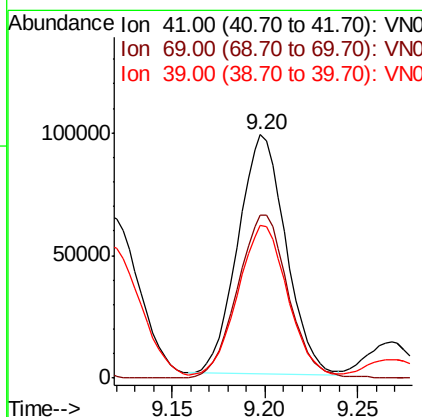
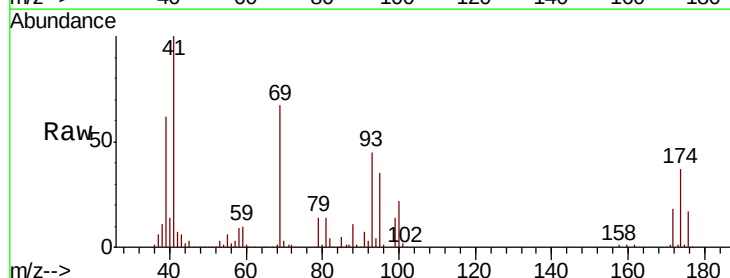
RT: 9.20 min Scan# 2309

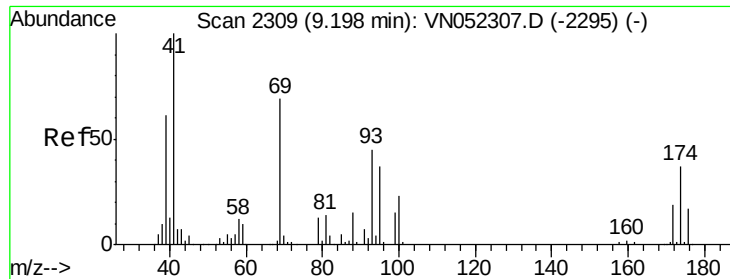
Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Tgt Ion:	41	Resp:	176064
Ion Ratio	Lower	Upper	
41	100		
69	72.3	57.1	85.7
39	64.0	52.5	78.7





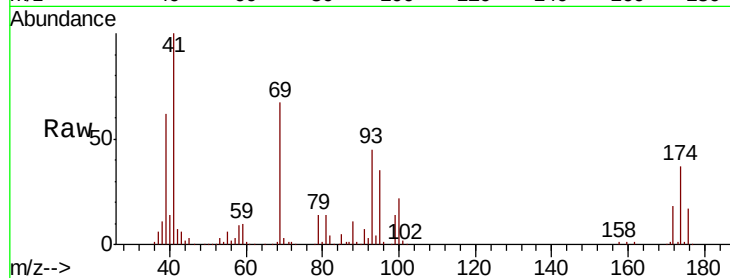
#49
1,4-Dioxane
Concen: 802.237 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

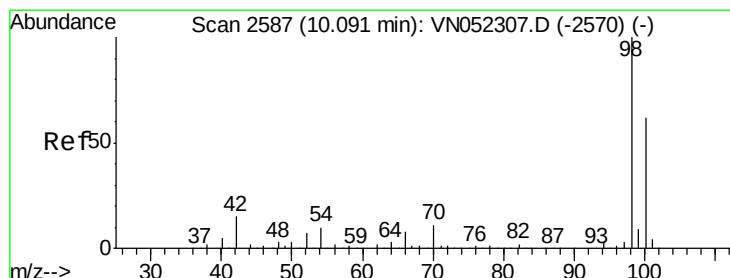
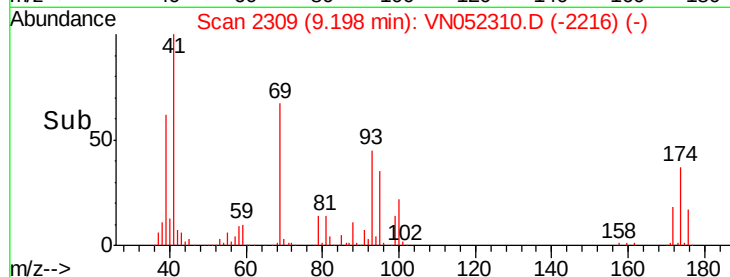
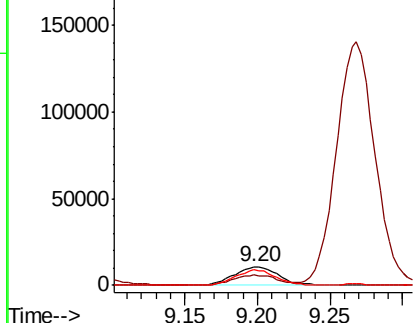
Tot Ion	Ratio	Lower	Upper
88	100		
43	48.7	33.3	49.9
58	78.0	59.2	88.8

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:31 PM

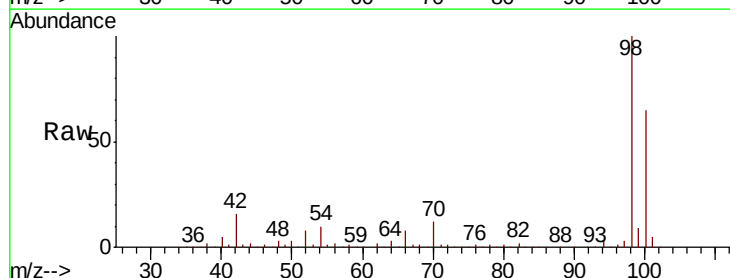


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

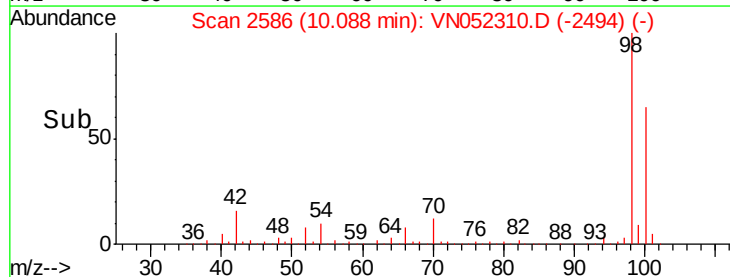
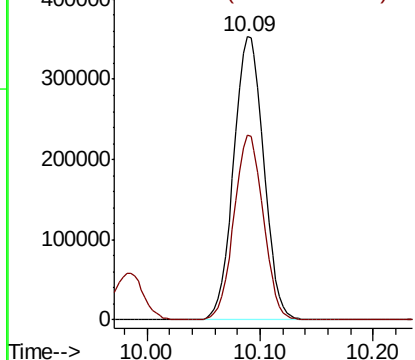


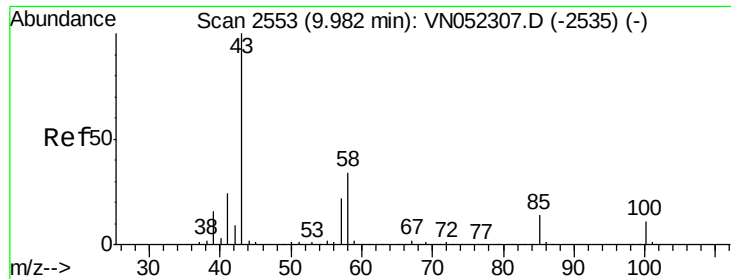
#50
Toluene-d8
Concen: 802.237 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	49.5	74.3



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: 249.041 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

ICVVN111418

Tot Ion: 43 Resp: 918475

Ion Ratio Lower Upper

43 100

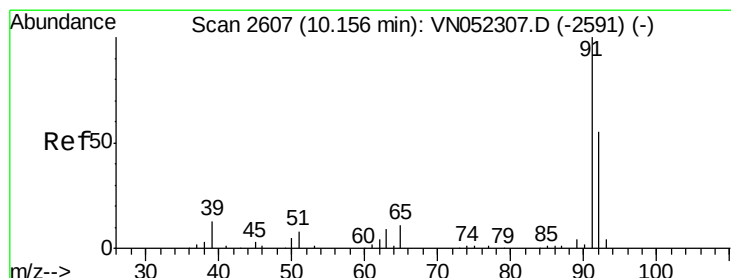
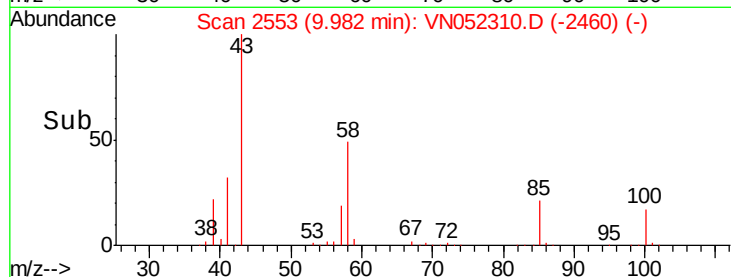
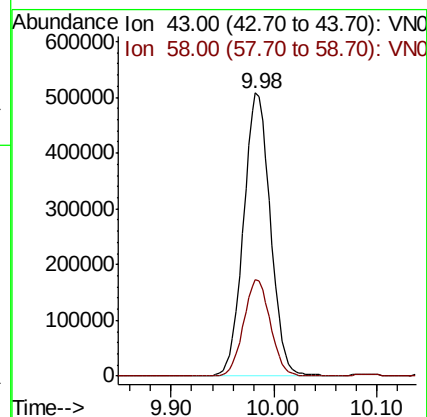
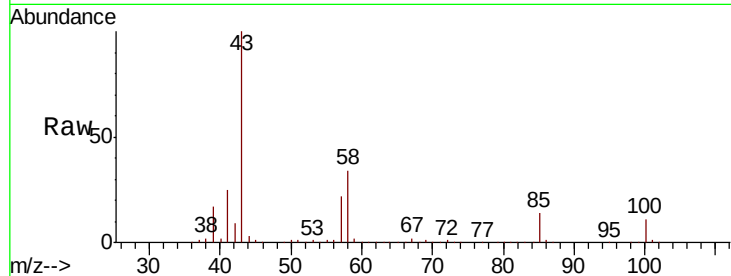
58 34.1 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

11/20/2018 2:58:31 PM



#52

Toluene

Concen: 49.455 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052310.D

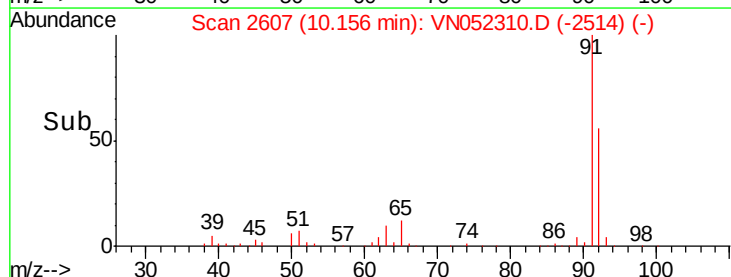
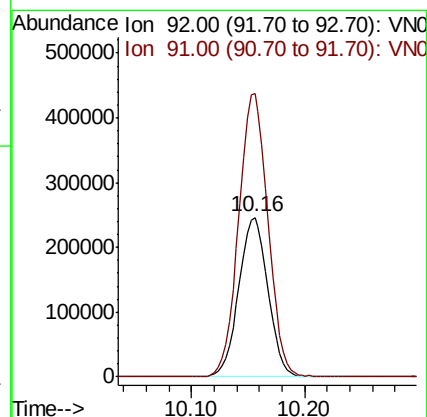
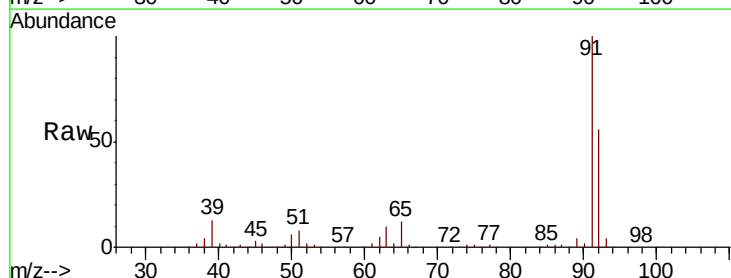
Acq: 14 Nov 2018 13:16

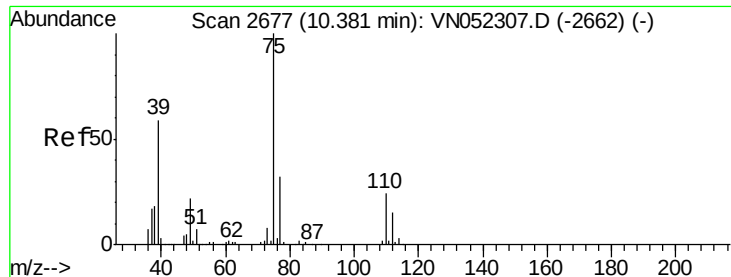
Tgt Ion: 92 Resp: 442171

Ion Ratio Lower Upper

92 100

91 178.5 143.6 215.4





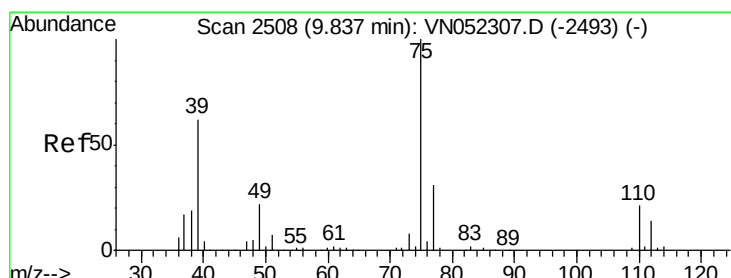
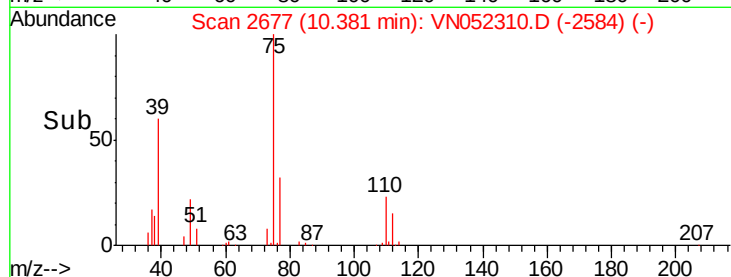
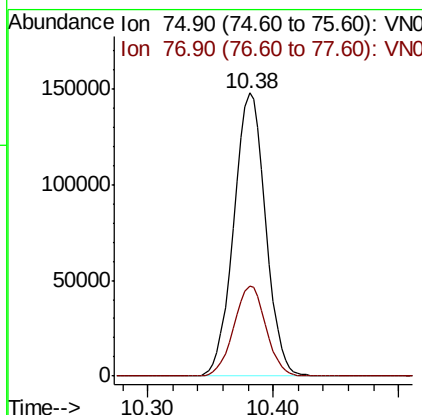
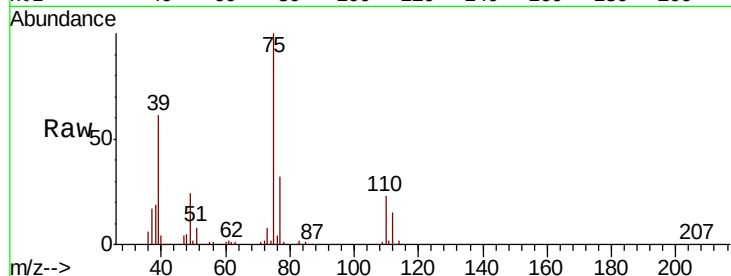
#53
t-1,3-Dichloropropene
Concen: 51.254 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5

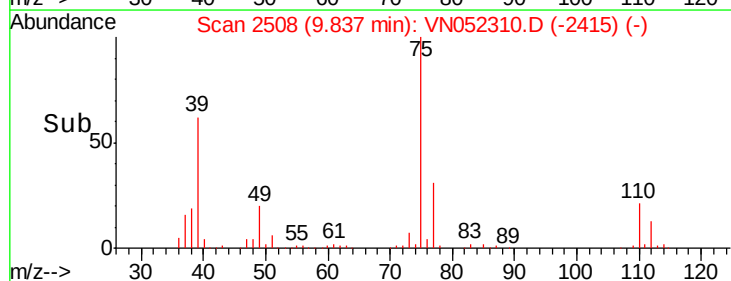
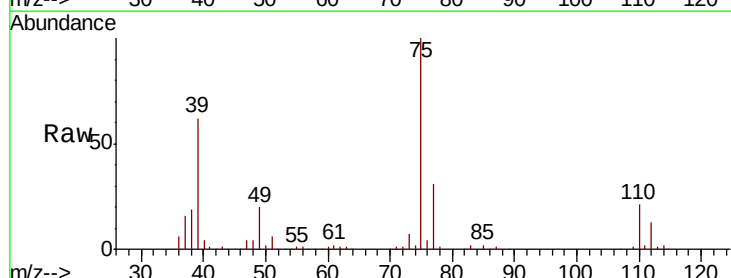
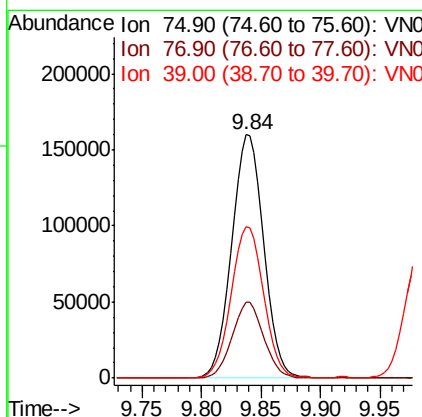
Manual Integrations
APPROVED

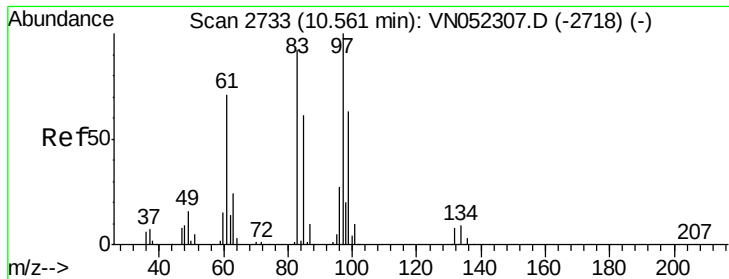
MMDadoda
11/20/2018 2:58:31 PM



#54
cis-1,3-Dichloropropene
Concen: 51.531 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	62.0	49.9	74.9





#55

1,1,2-Trichloroethane

Concen: 48.174 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

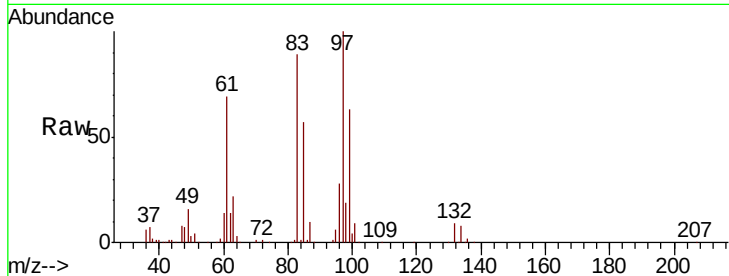
ClientSampleId :

ICVVN111418

Tot Ion:	97	Resp:	156142
Ion	Ratio	Lower	Upper
97	100		
83	88.8	73.8	110.6
85	56.8	49.0	73.4
99	63.4	50.5	75.7

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:31 PM

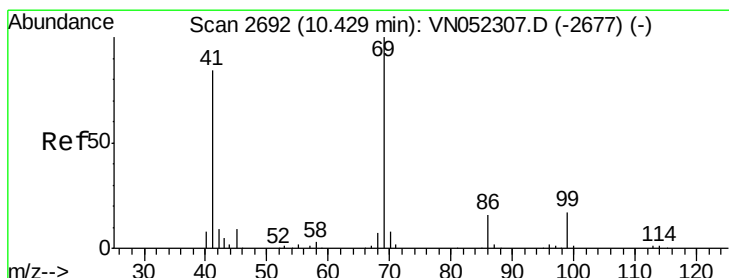
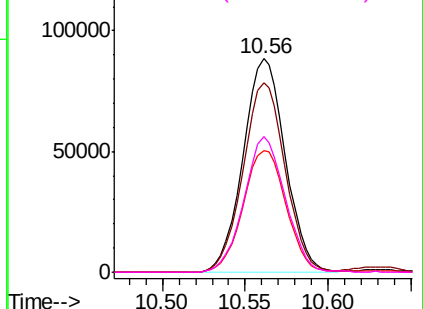
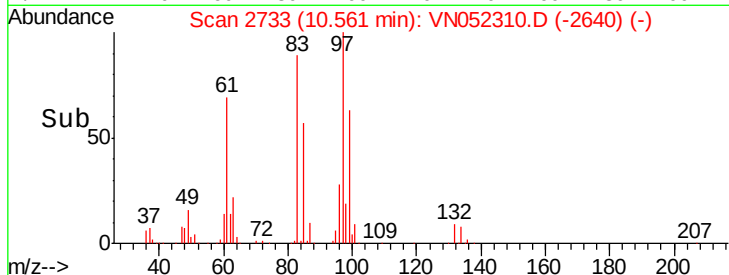


Abundance Ion 96.90 (96.60 to 97.60): VN052310.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN052310.D (-2640) (-)

Ion 84.90 (84.60 to 85.60): VN052310.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN052310.D (-2640) (-)



#56

Ethyl methacrylate

Concen: 51.512 ug/l

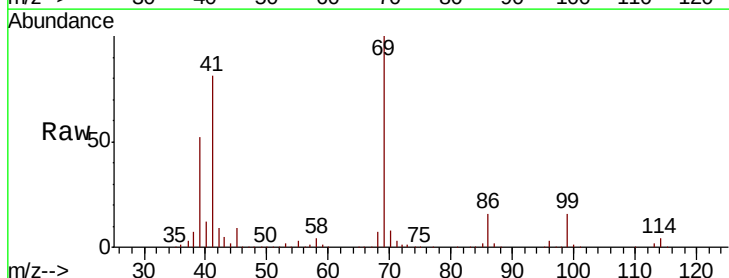
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

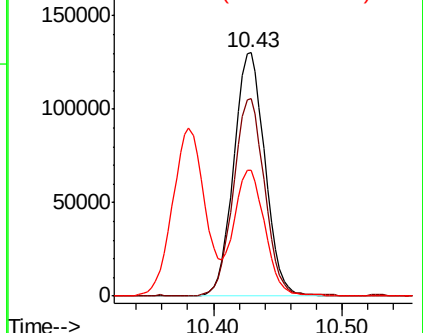
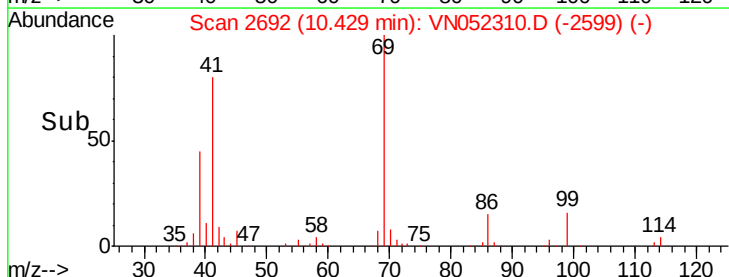
Tgt Ion:	69	Resp:	219572
Ion	Ratio	Lower	Upper
69	100		
41	80.5	64.8	97.2
39	50.7	41.0	61.6

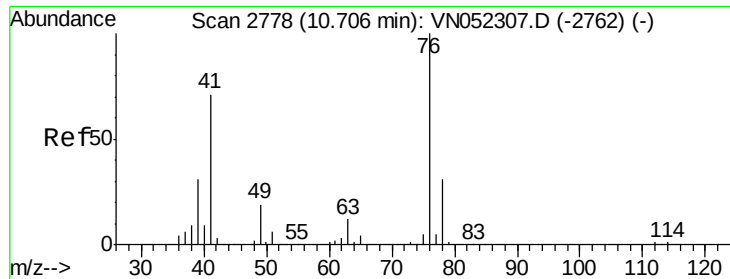


Abundance Ion 69.00 (68.70 to 69.70): VN052310.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN052310.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN052310.D (-2599) (-)





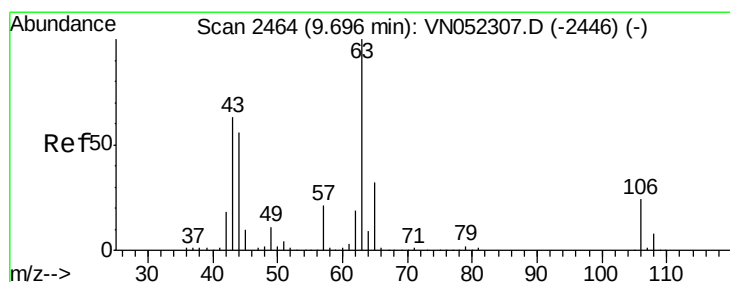
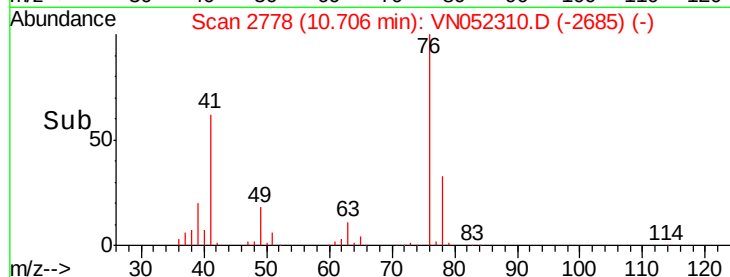
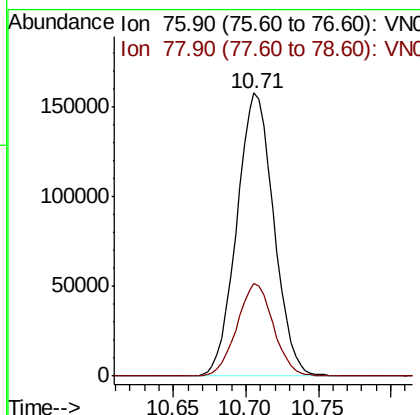
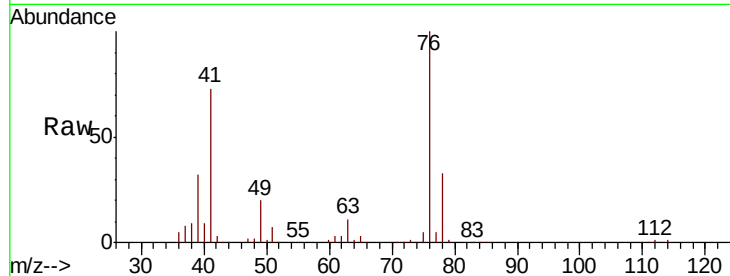
#57
 1,3-Dichloropropane
 Concen: 48.598 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111418

Tot Ion: 76 Resp: 278999
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

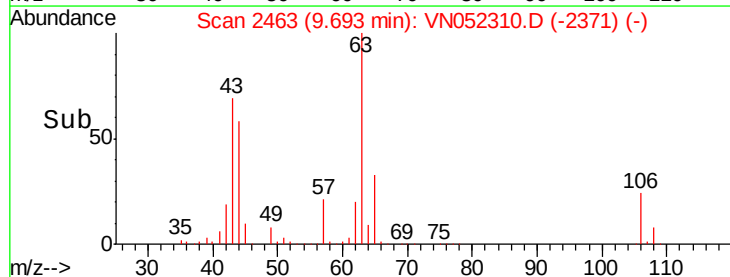
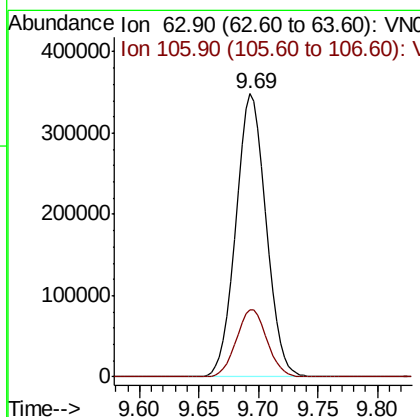
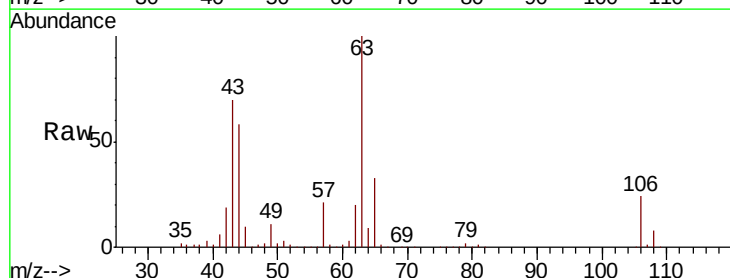
Manual Integrations
 APPROVED

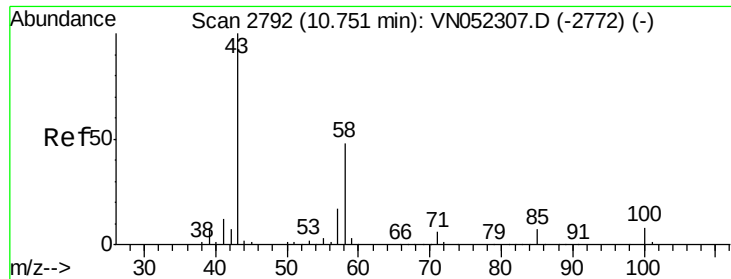
MMDadoda
 11/20/2018 2:58:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.709 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Tgt Ion: 63 Resp: 613270
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.3 28.9





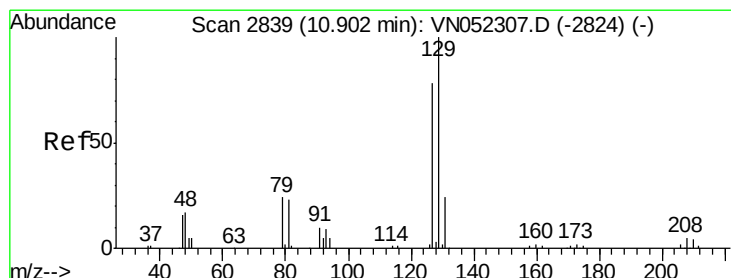
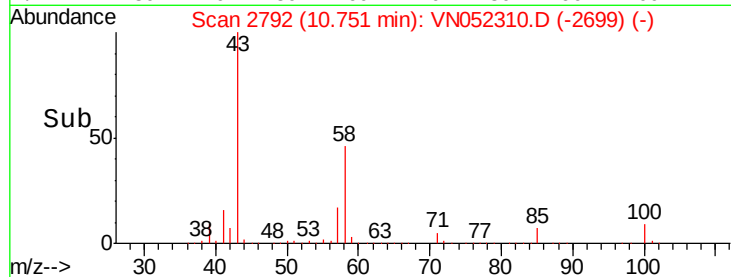
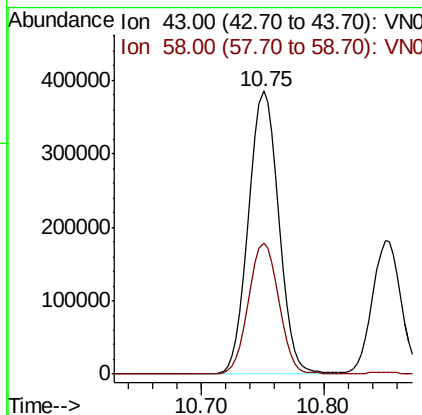
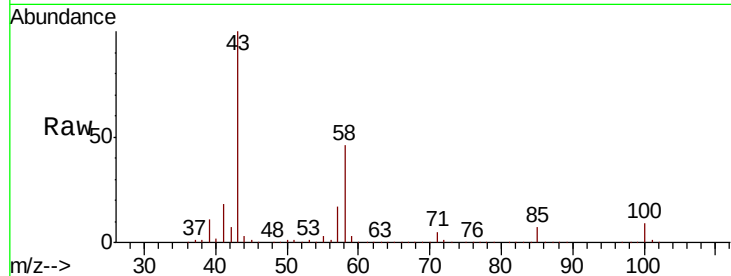
#59
2-Hexanone
Concen: 258.766 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion: 43 Resp: 656424
Ion Ratio Lower Upper
43 100
58 46.6 23.5 70.6

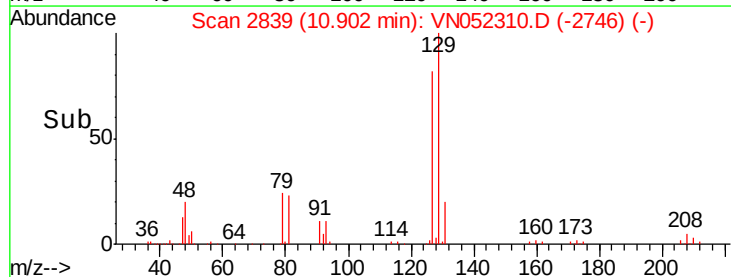
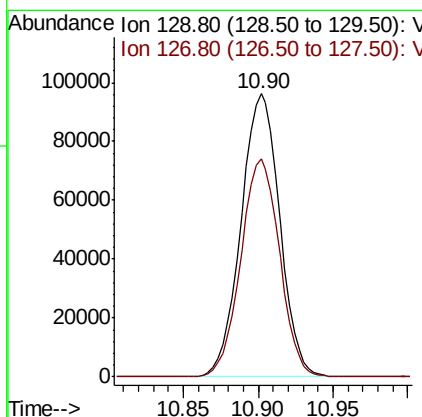
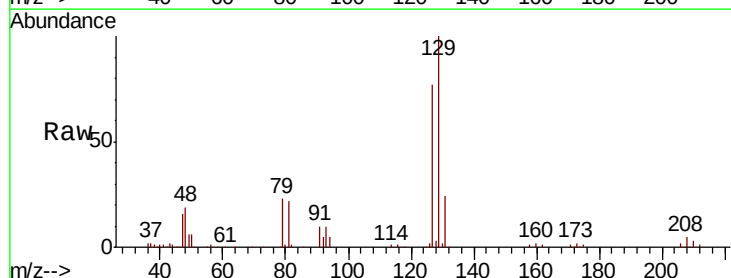
Manual Integrations
APPROVED

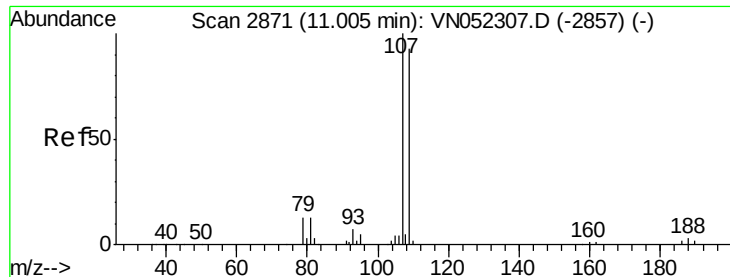
MMDadoda
11/20/2018 2:58:31 PM



#60
Dibromochloromethane
Concen: 49.558 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion: 129 Resp: 173787
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





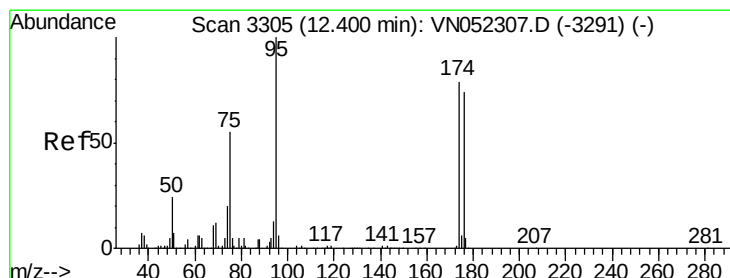
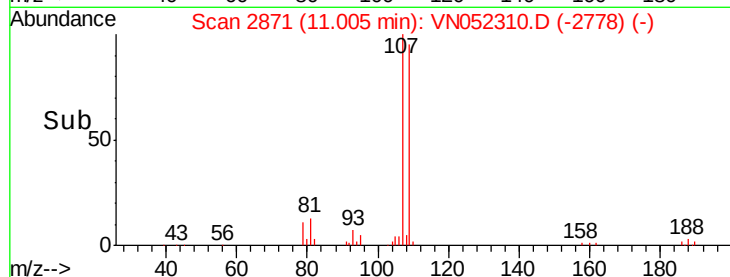
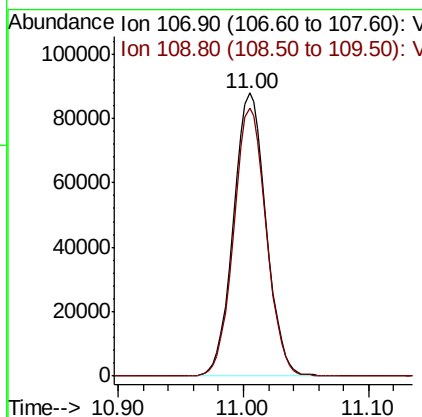
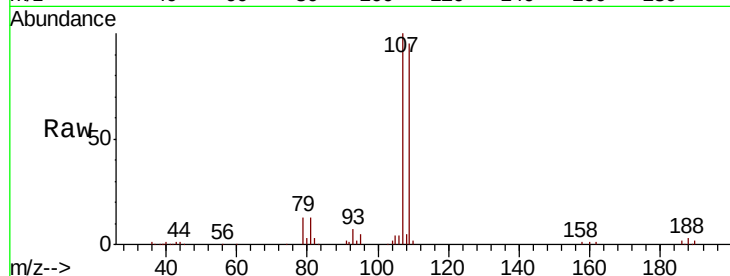
#61
 1,2-Dibromoethane
 Concen: 49.204 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111418

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.9	112.3

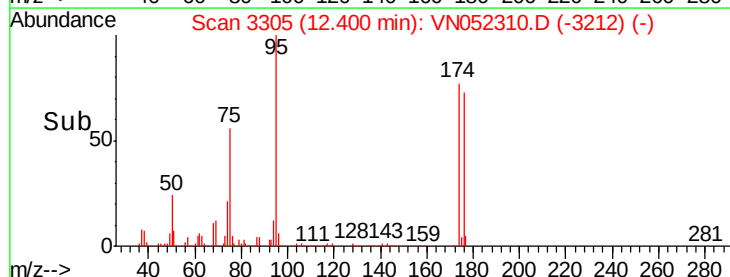
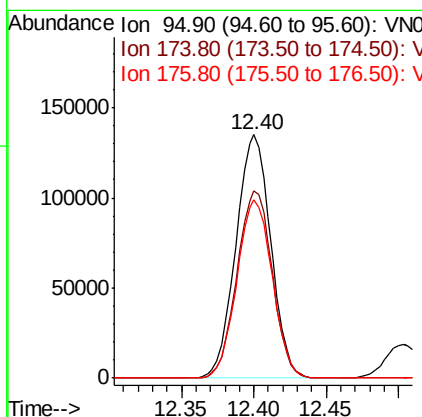
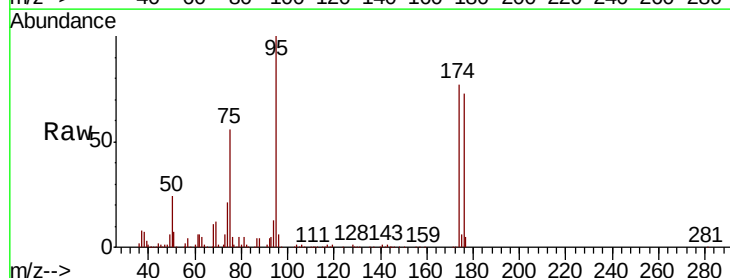
Manual Integrations
 APPROVED

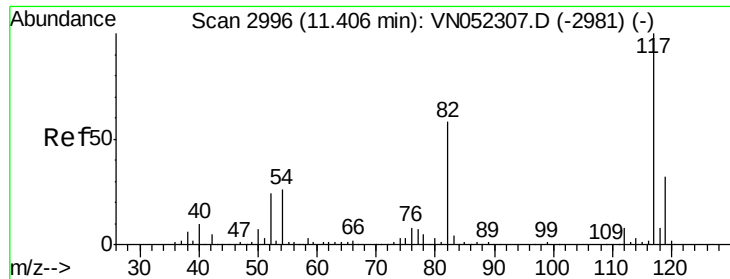
MMDadoda
 11/20/2018 2:58:31 PM



#62
 4-Bromofluorobenzene
 Concen: 49.204 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	156.0
176	74.6	0.0	148.4





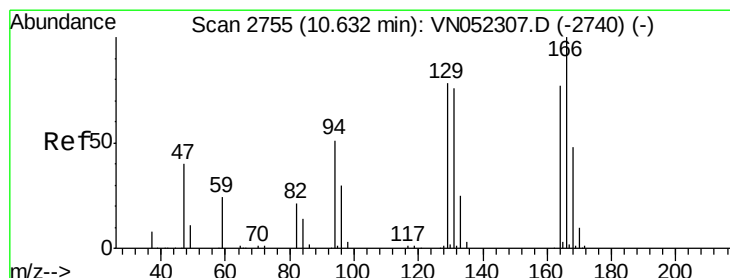
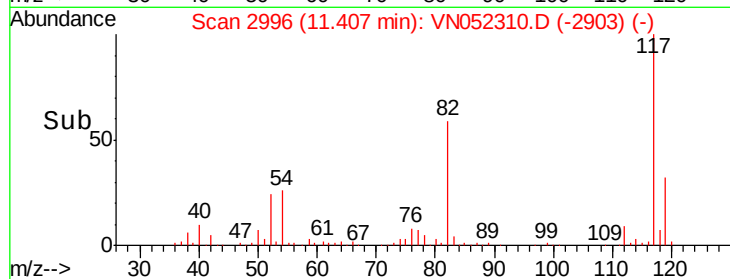
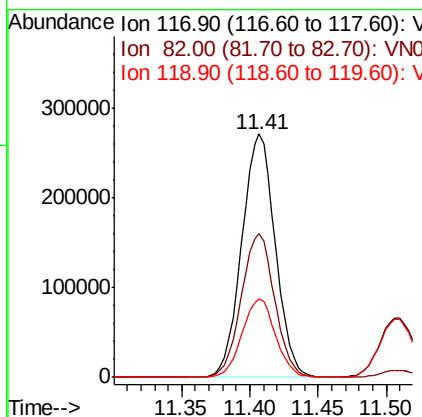
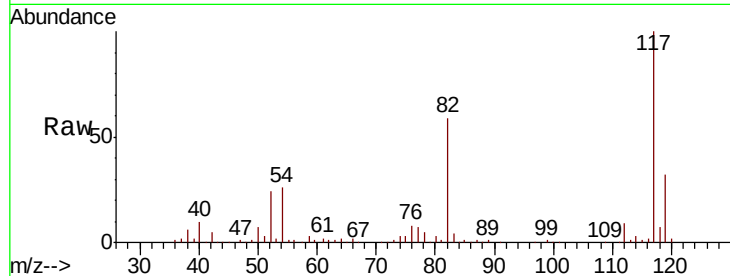
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.5	69.7
119	32.0	25.7	38.5

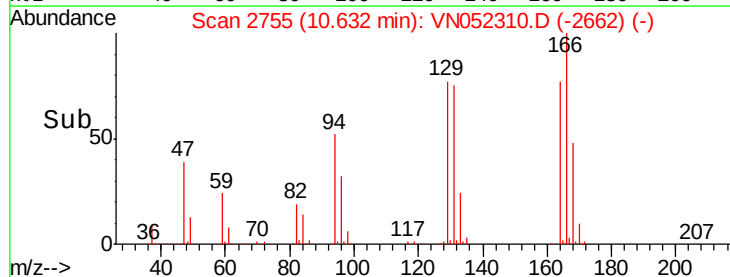
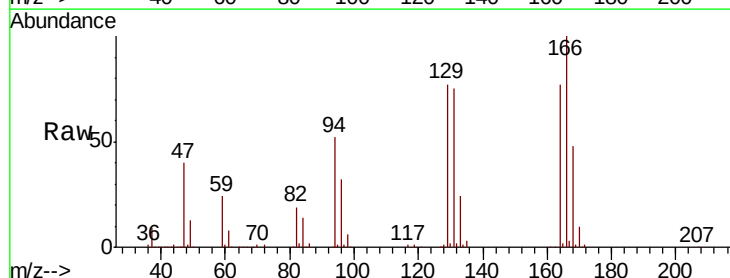
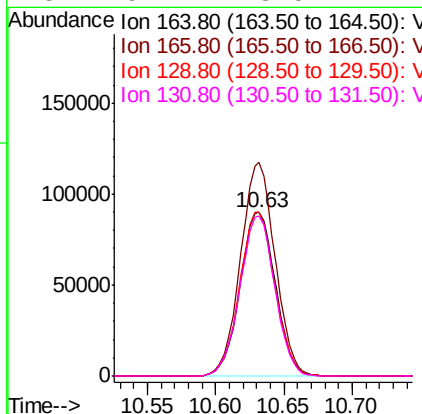
Manual Integrations
APPROVED

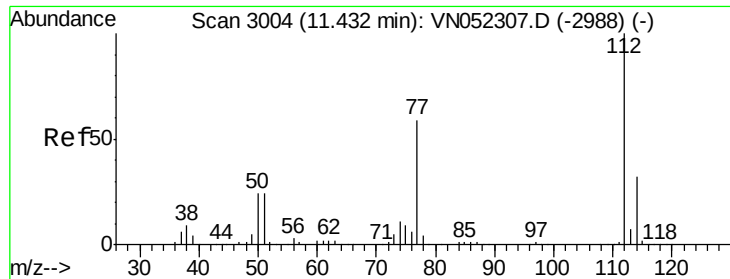
MMDadoda
11/20/2018 2:58:31 PM



#64
Tetrachloroethene
Concen: 49.380 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	103.8	155.6
129	100.4	80.7	121.1
131	97.7	78.5	117.7





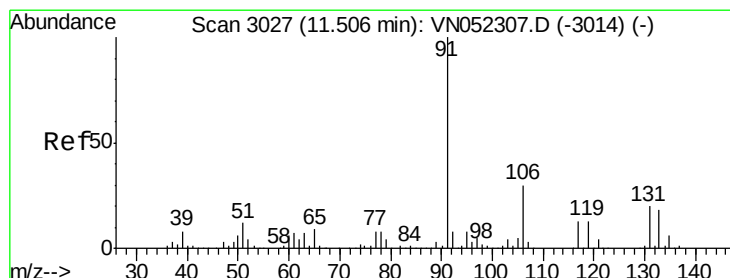
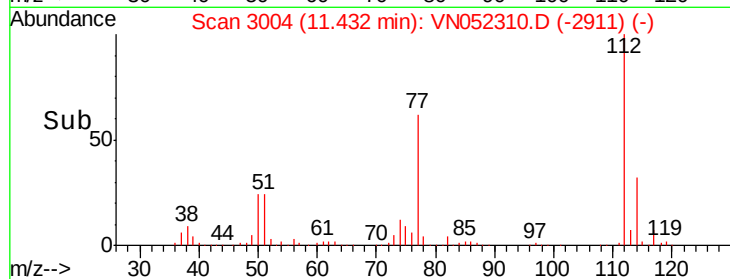
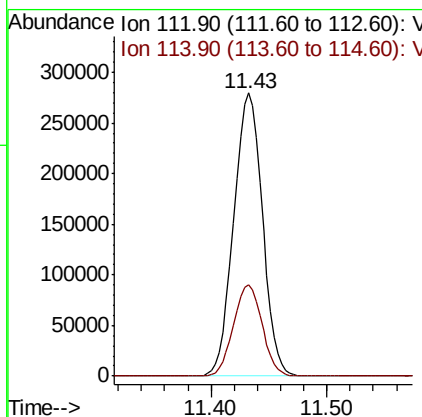
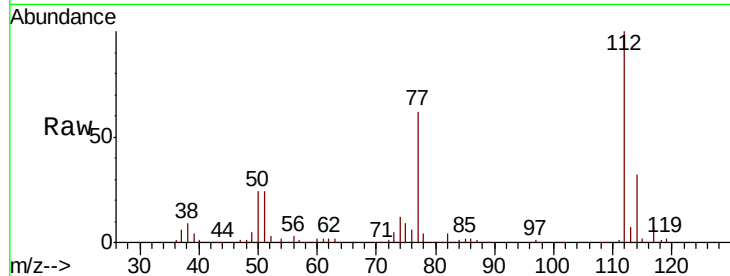
#65
Chlorobenzene
Concen: 49.281 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion:112 Resp: 480222
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9

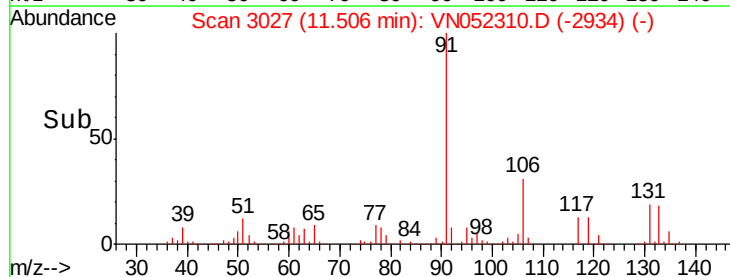
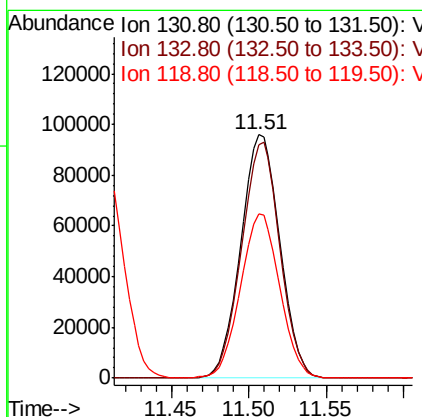
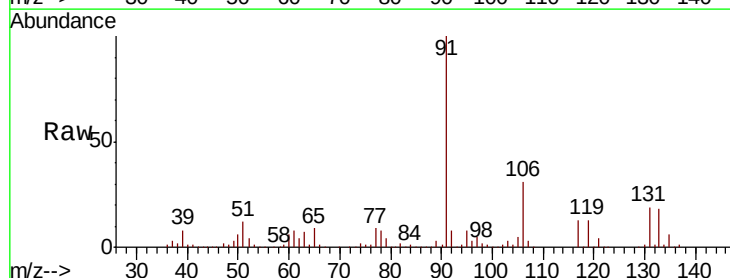
Manual Integrations
APPROVED

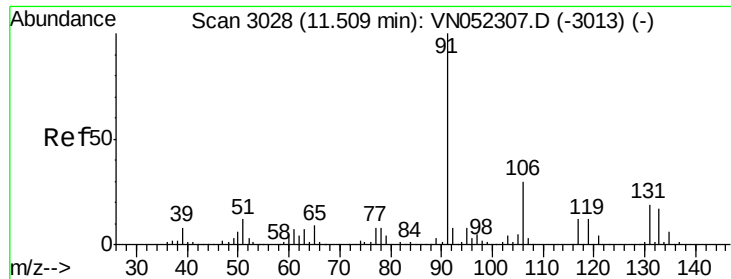
MMDadoda
11/20/2018 2:58:31 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.801 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion:131 Resp: 168807
Ion Ratio Lower Upper
131 100
133 95.5 47.4 142.3
119 67.6 33.3 99.9





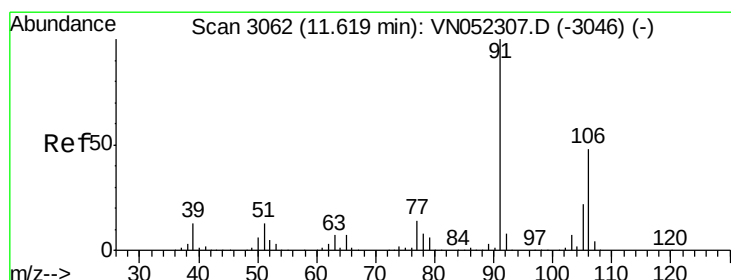
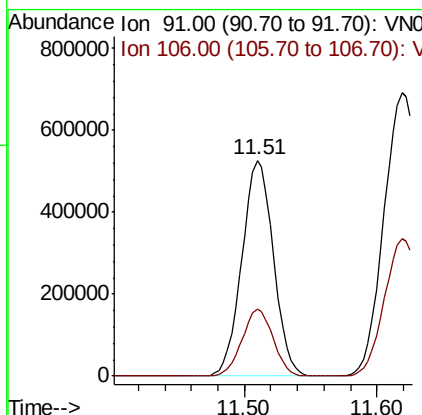
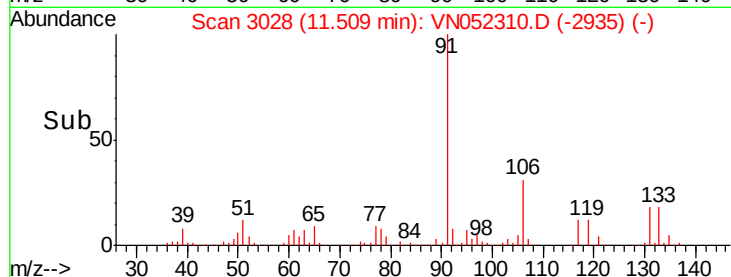
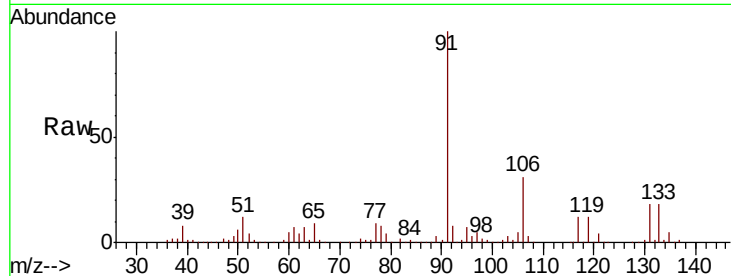
#67
Ethyl Benzene
Concen: 51.299 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion: 91 Resp: 867607
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.2

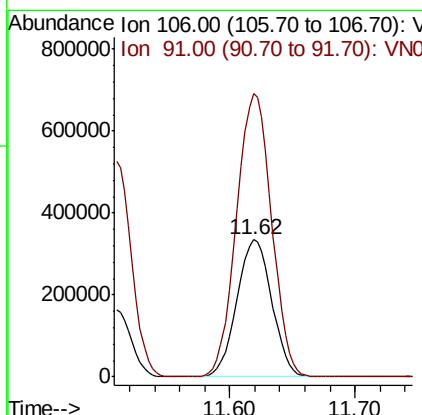
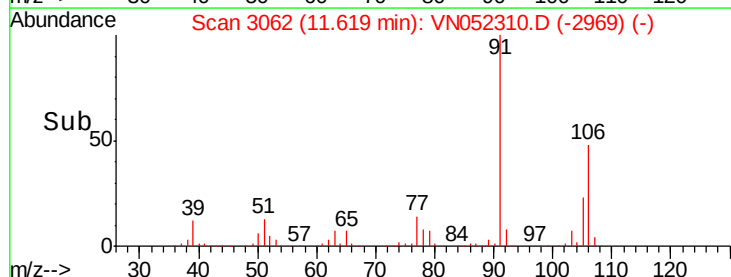
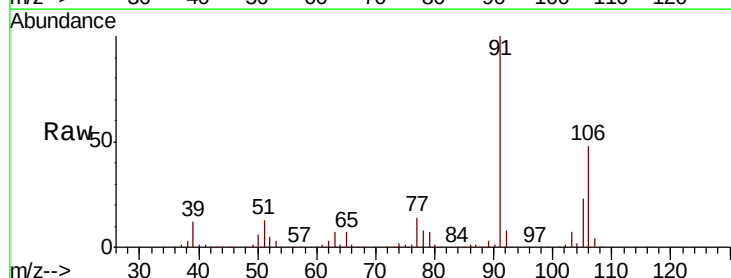
Manual Integrations
APPROVED

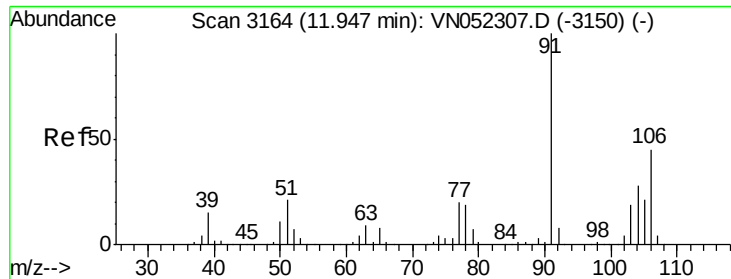
MMDadoda
11/20/2018 2:58:31 PM



#68
m/p-Xylenes
Concen: 104.888 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion: 106 Resp: 648161
Ion Ratio Lower Upper
106 100
91 207.3 165.5 248.3





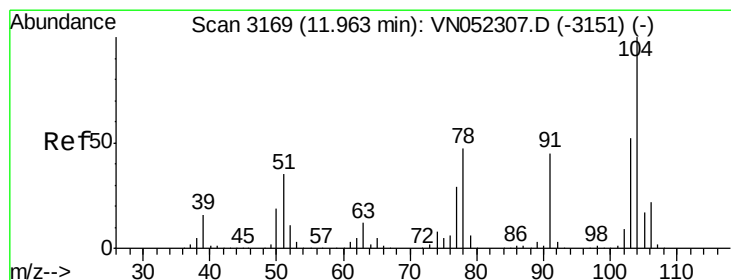
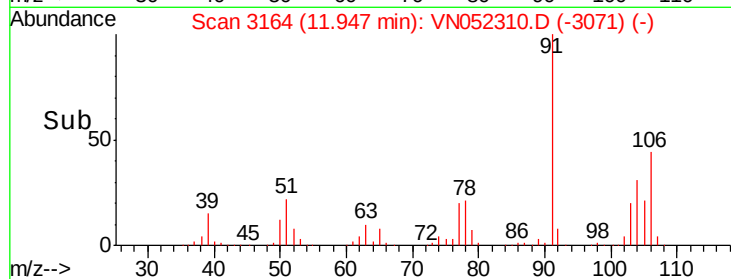
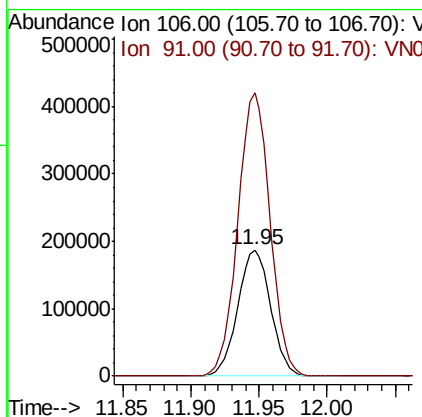
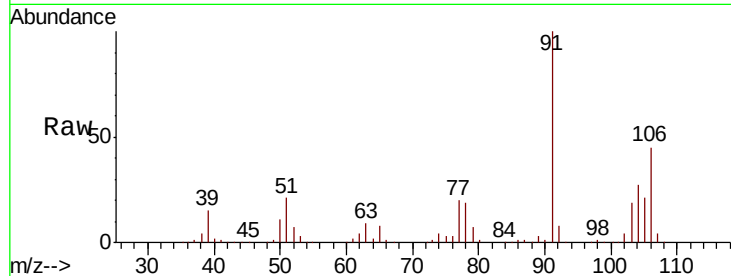
#69
o-Xylene
Concen: 52.768 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion:106 Resp: 312573
Ion Ratio Lower Upper
106 100
91 220.7 110.0 330.0

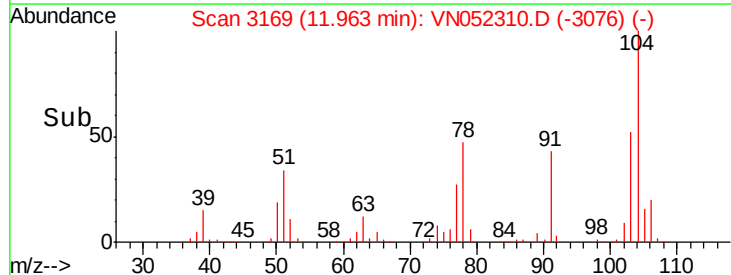
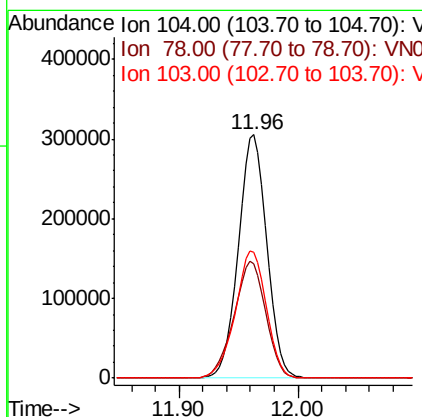
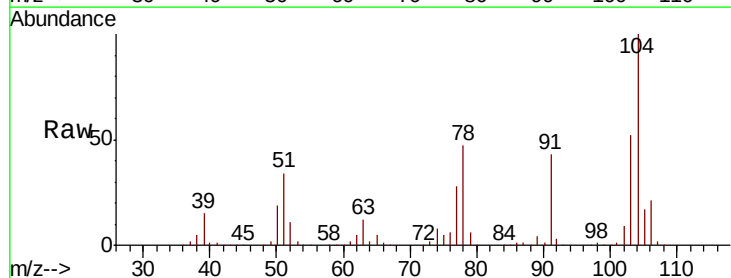
Manual Integrations
APPROVED

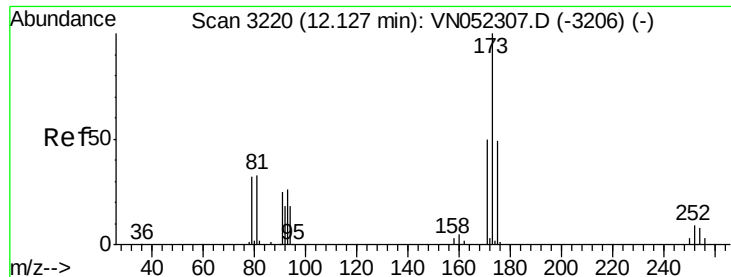
MMDadoda
11/20/2018 2:58:31 PM



#70
Styrene
Concen: 53.369 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion:104 Resp: 506197
Ion Ratio Lower Upper
104 100
78 53.5 42.7 64.1
103 57.0 45.4 68.0





#71

Bromoform

Concen: 52.944 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

ICVVN111418

Tot Ion:173 Resp: 103874

Ion Ratio Lower Upper

173 100

175 48.3 25.0 75.0

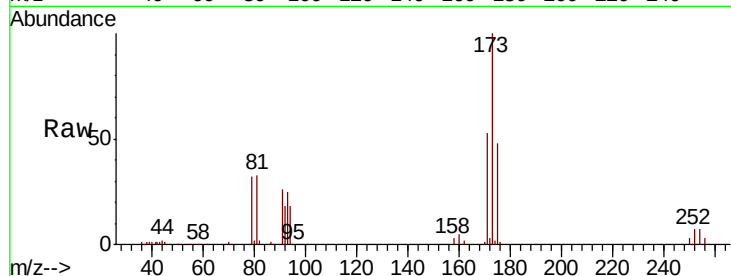
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

11/20/2018 2:58:31 PM

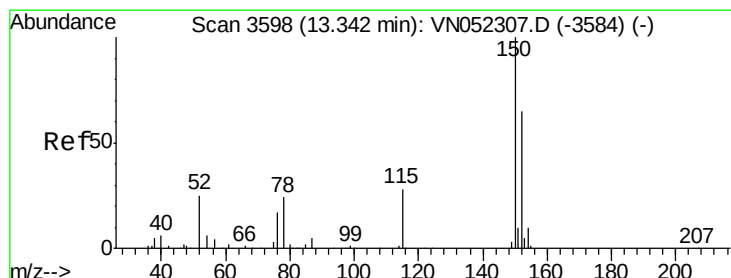
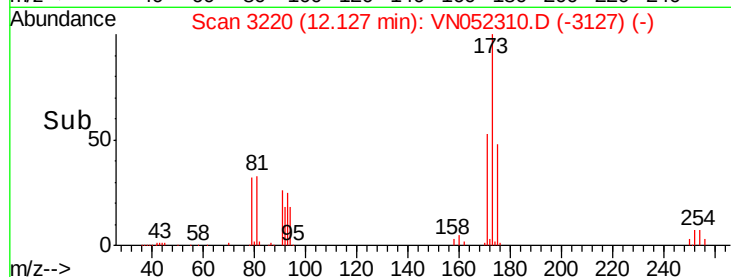
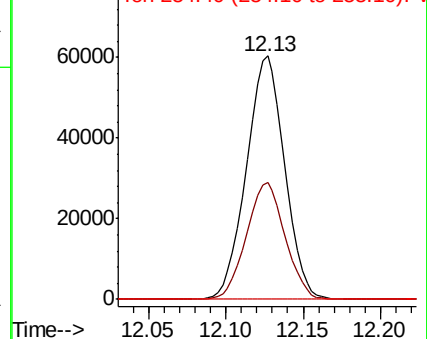


Abundance

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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

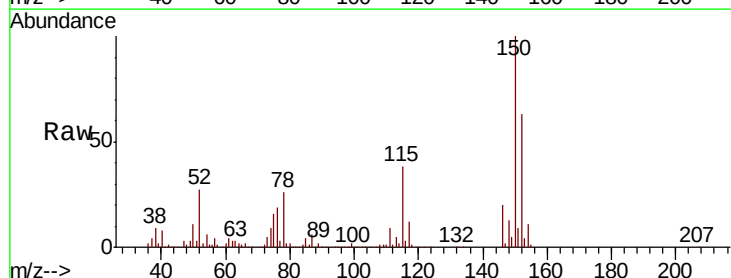
Tgt Ion:152 Resp: 218746

Ion Ratio Lower Upper

152 100

115 60.0 30.3 91.0

150 170.7 0.0 348.2

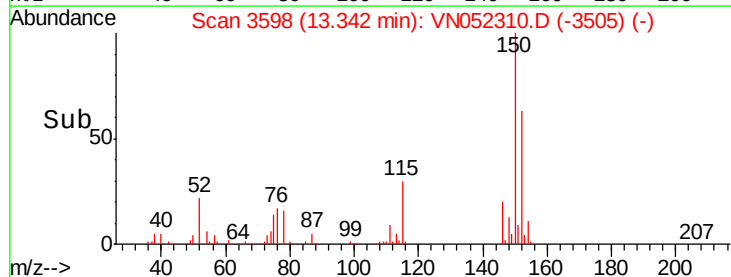
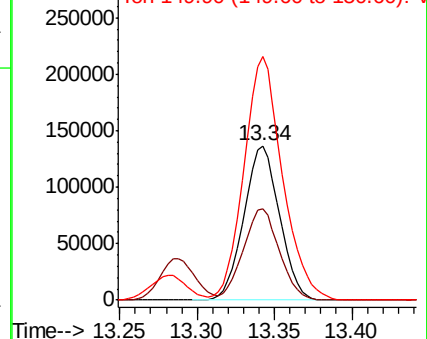


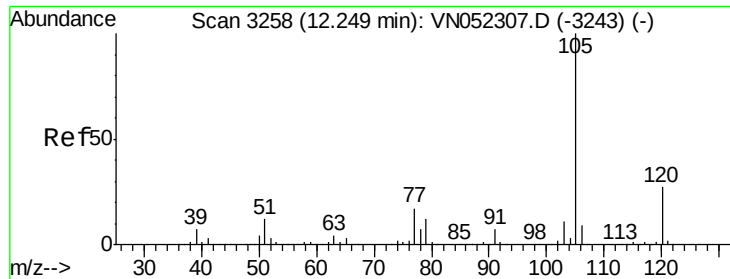
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.666 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052310.D

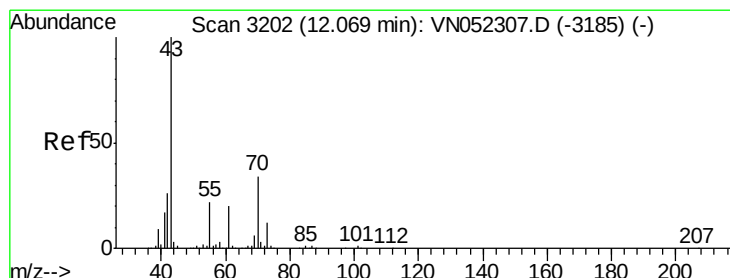
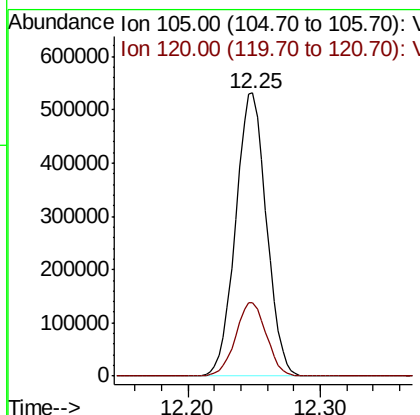
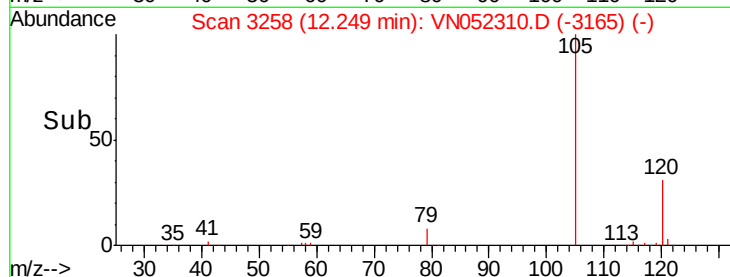
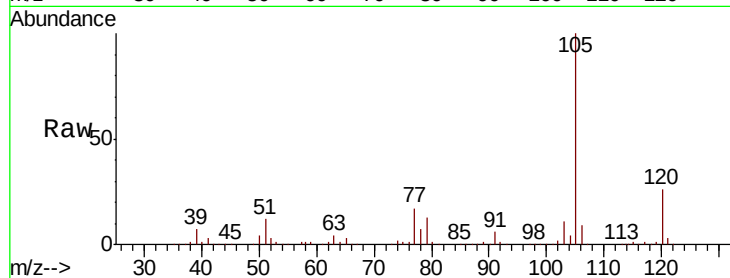
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.4	40.1

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:31 PM



#74

N-ethyl acetate

Concen: 50.869 ug/l

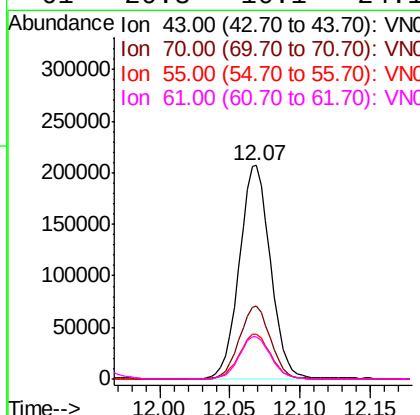
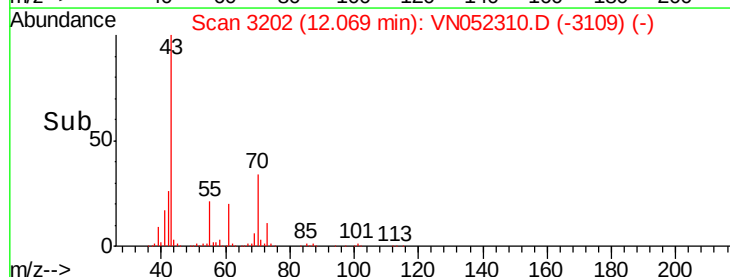
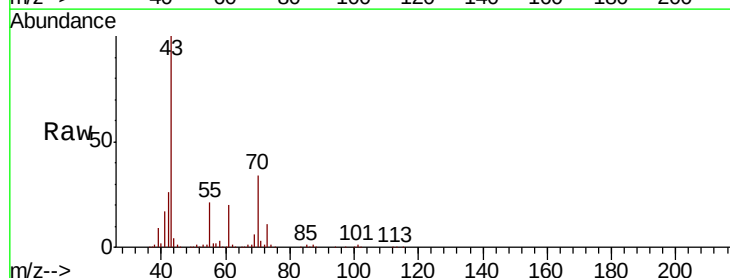
RT: 12.07 min Scan# 3202

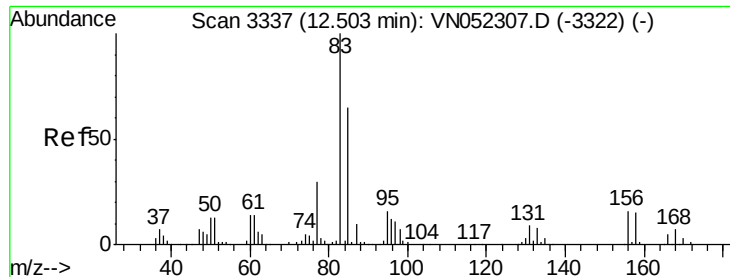
Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.5	27.1	40.7
55	21.4	17.4	26.0
61	20.3	16.1	24.1





#75

1,1,2,2-Tetrachloroethane

Concen: 45.209 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

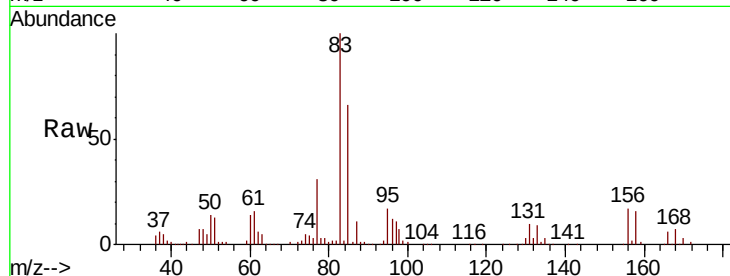
ClientSampleId :

ICVVN111418

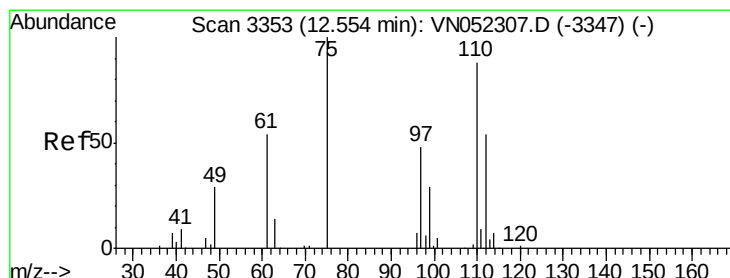
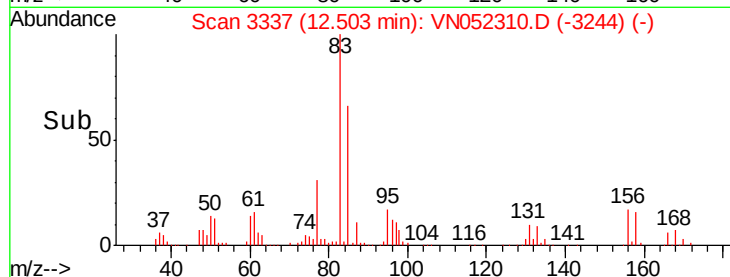
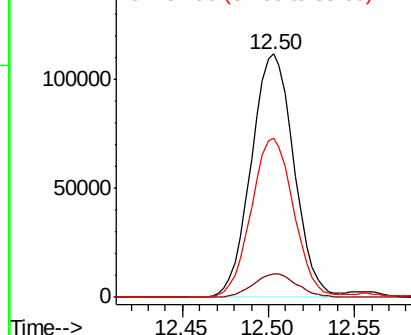
Tot Ion:	83	Resp:	192205
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.7	14.1
85	64.9	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:31 PM



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 48.355 ug/l m

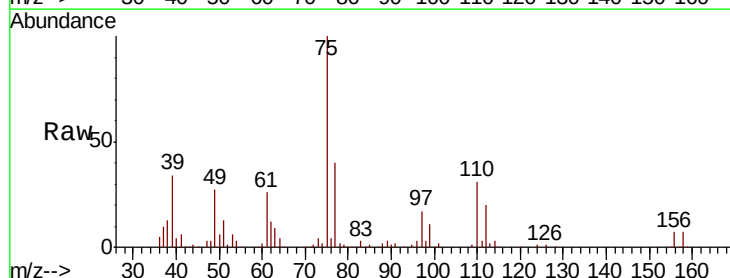
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

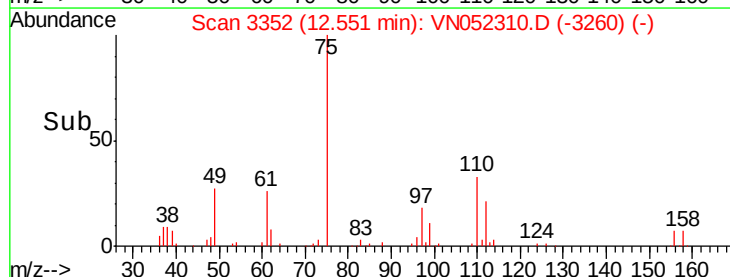
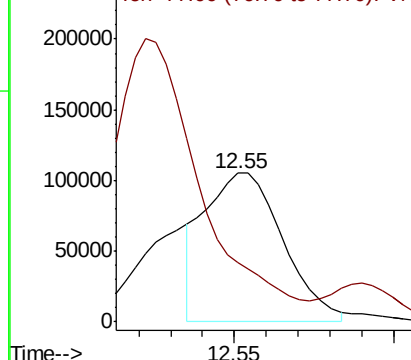
Lab File: VN052310.D

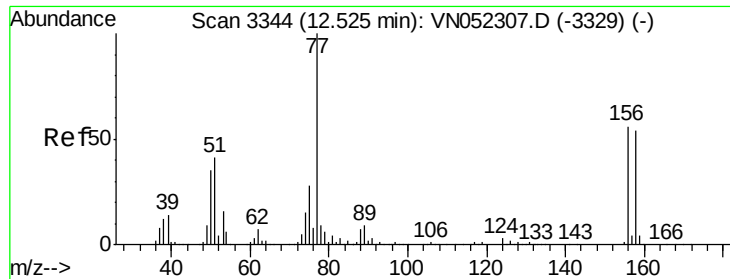
Acq: 14 Nov 2018 13:16

Tgt Ion:	75	Resp:	179478
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





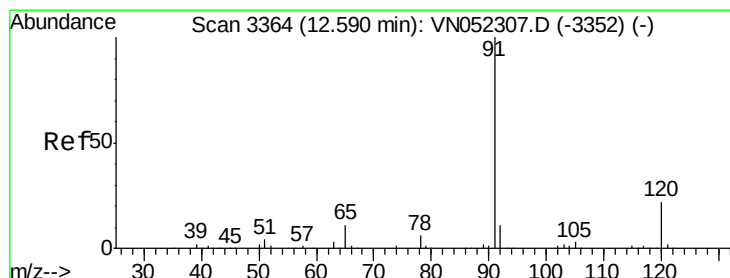
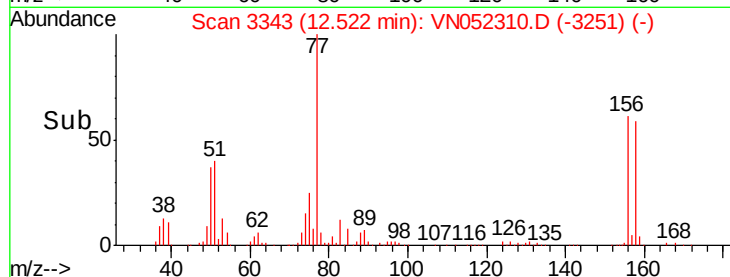
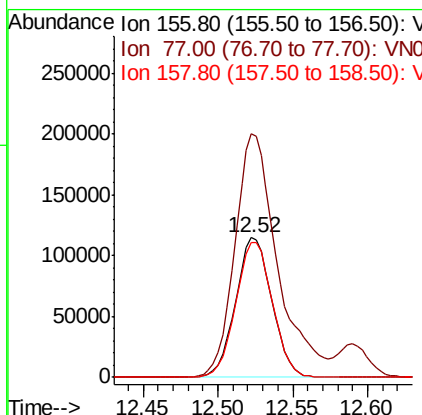
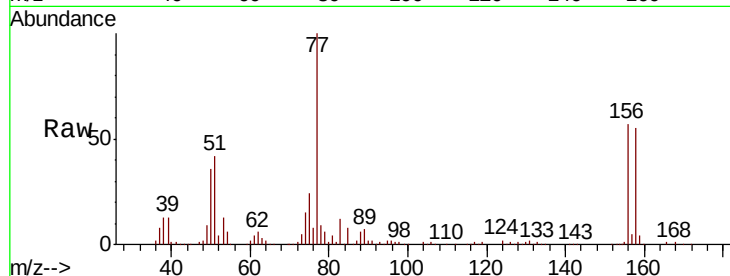
#77
Bromobenzene
Concen: 47.324 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	204.9	103.6	310.9	
158	97.6	48.1	144.4	

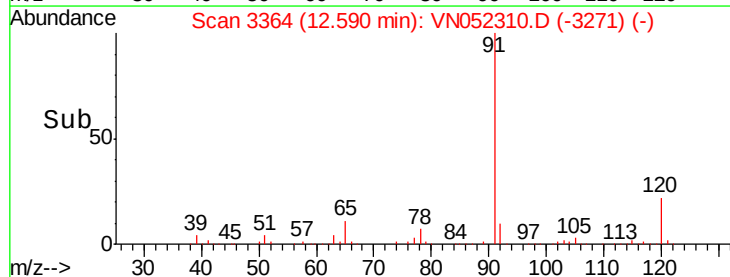
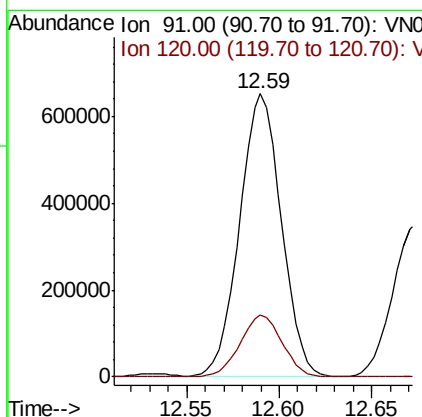
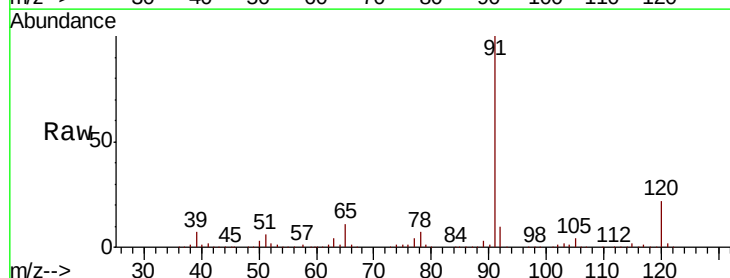
Manual Integrations
APPROVED

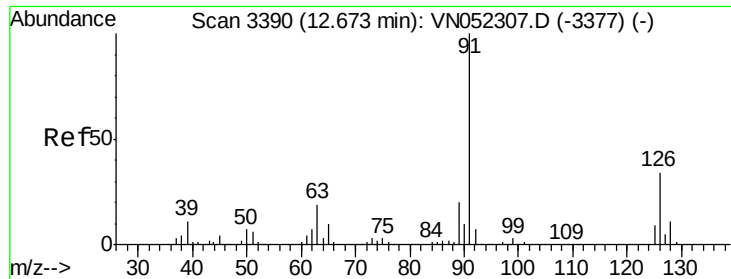
MMDadoda
11/20/2018 2:58:31 PM



#78
n-propylbenzene
Concen: 49.213 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.2	11.1	33.1	





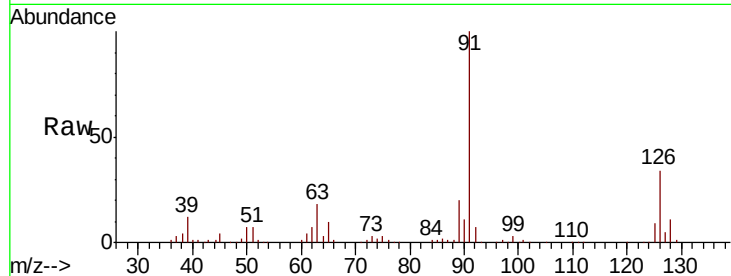
#79
 2-Chlorotoluene
 Concen: 48.330 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111418

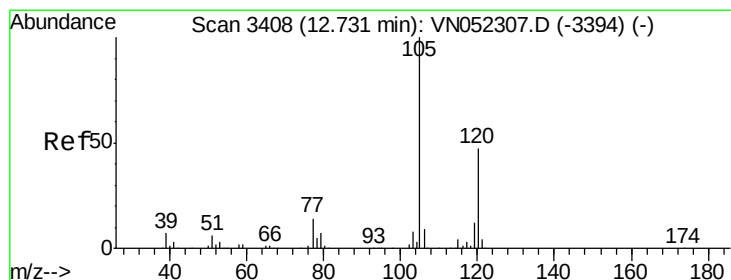
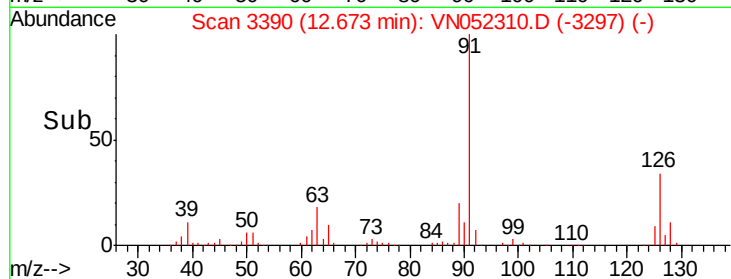
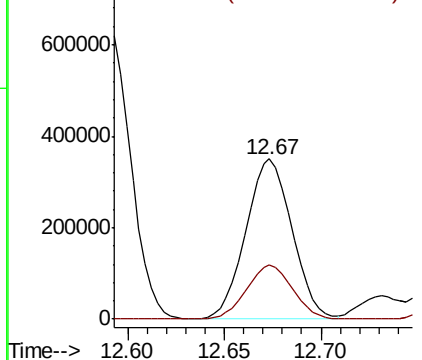
Tot Ion: 91 Resp: 580725
 Ion Ratio Lower Upper
 91 100
 126 33.6 17.0 51.0

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:58:31 PM

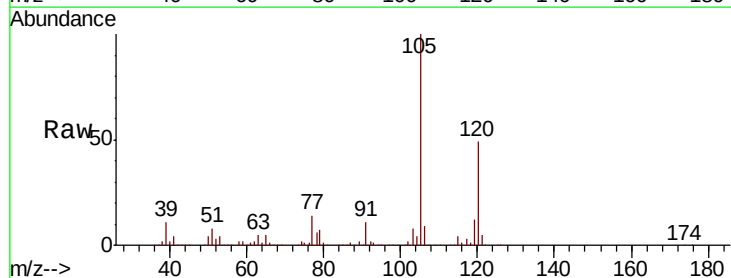


Abundance Ion 91.00 (90.70 to 91.70): VN052310.D (-3297) (-)
 Ion 125.90 (125.60 to 126.60): VN052310.D (-3297) (-)

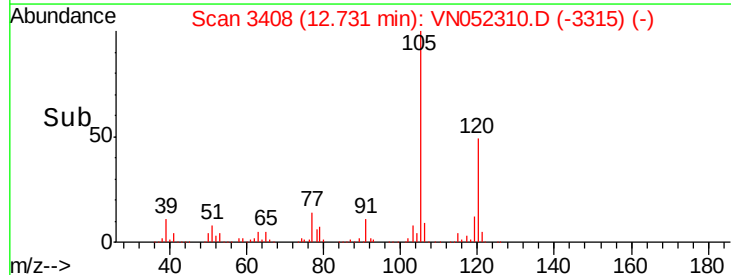
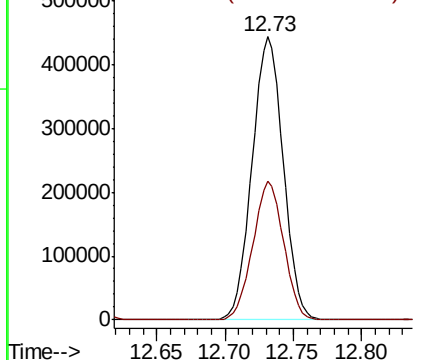


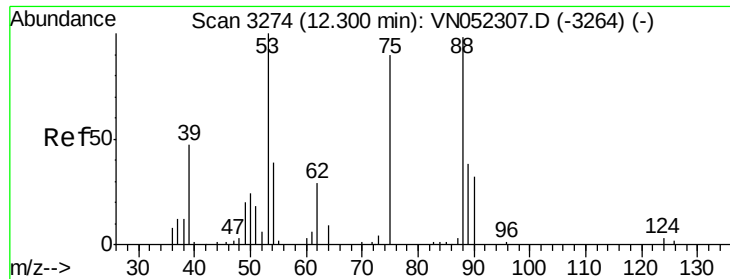
#80
 1,3,5-Trimethylbenzene
 Concen: 50.027 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Tgt Ion: 105 Resp: 699668
 Ion Ratio Lower Upper
 105 100
 120 48.6 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052310.D (-3315) (-)
 Ion 120.00 (119.70 to 120.70): VN052310.D (-3315) (-)





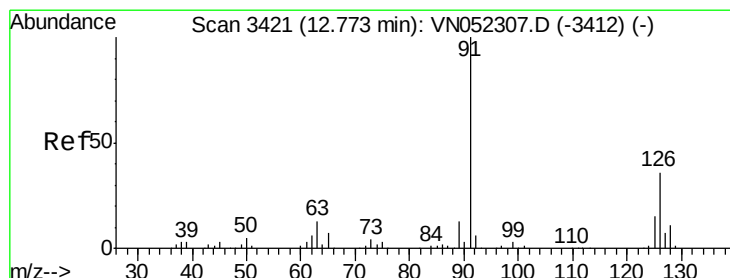
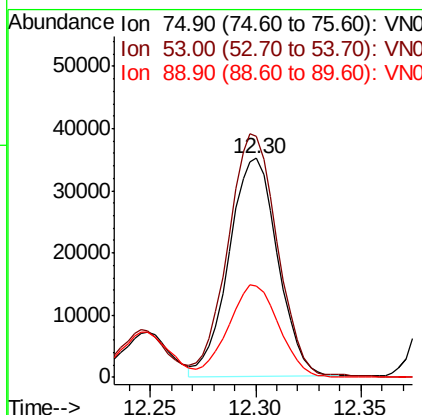
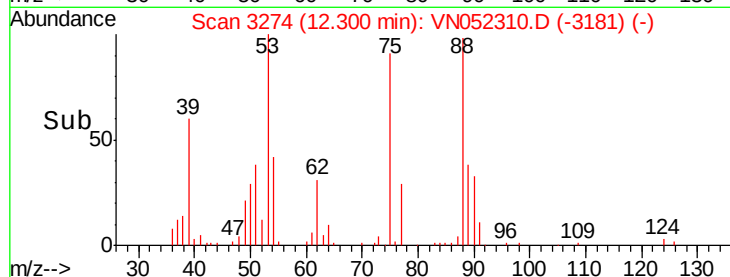
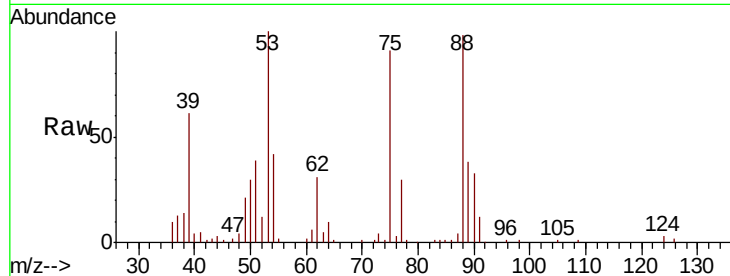
#81
trans-1,4-Dichloro-2-butene
Concen: 49.146 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.9	90.2	135.2
89	44.0	35.4	53.0

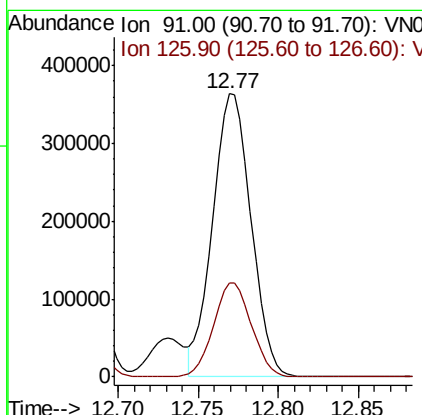
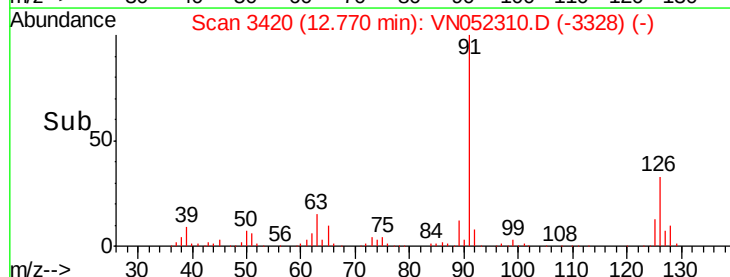
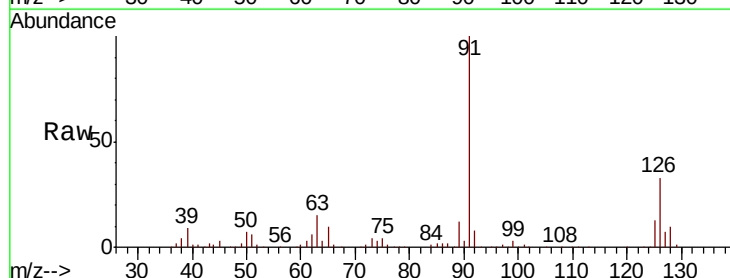
Manual Integrations
APPROVED

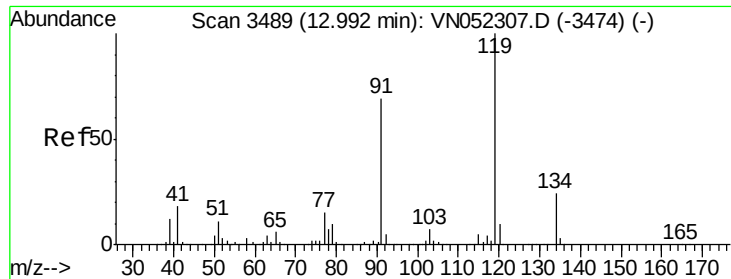
MMDadoda
11/20/2018 2:58:31 PM



#82
4-Chlorotoluene
Concen: 48.792 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	17.0	50.9





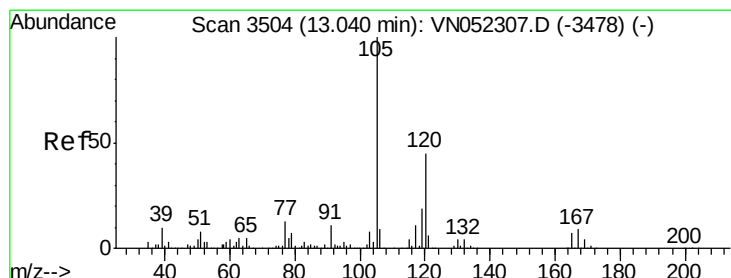
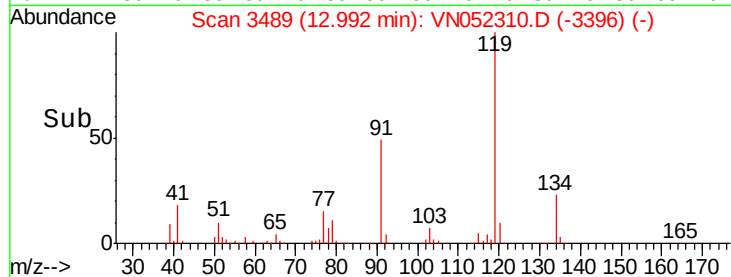
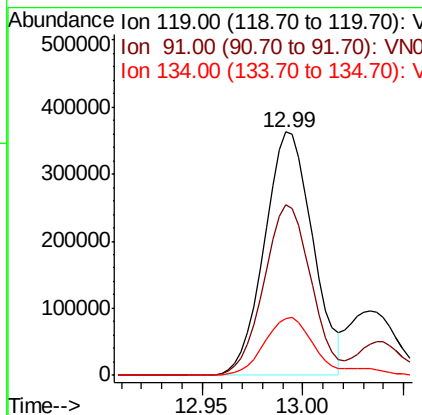
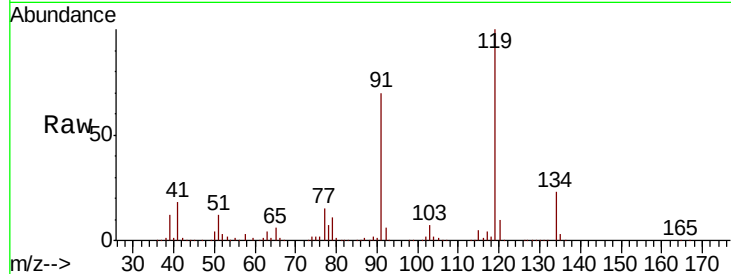
#83
 tert-Butylbenzene
 Concen: 48.850 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111418

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	33.8	101.3
134	24.2	11.9	35.9

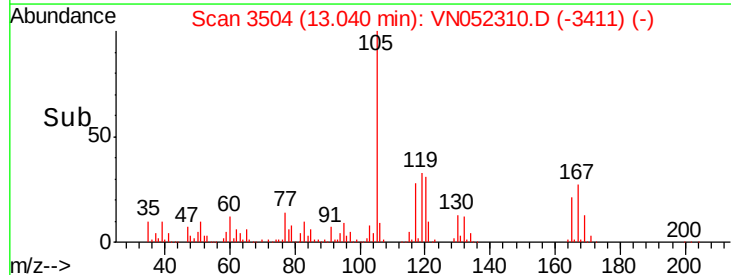
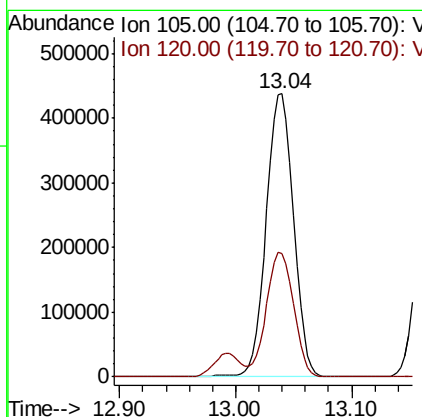
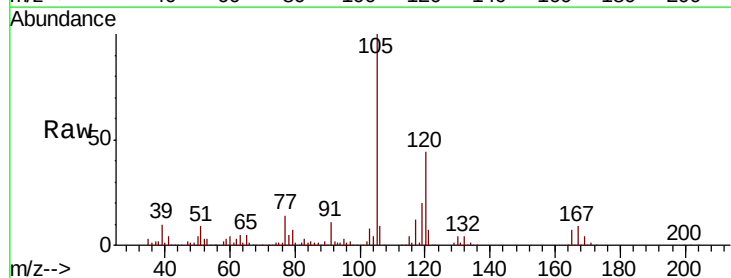
Manual Integrations
 APPROVED

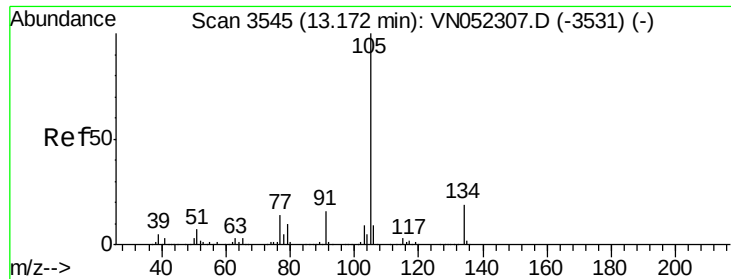
MMDadoda
 11/20/2018 2:58:31 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.007 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.5	67.5





#85

sec-Butylbenzene

Concen: 50.714 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

ICVVN111418

Tot Ion:105 Resp: 852999

Ion Ratio Lower Upper

105 100

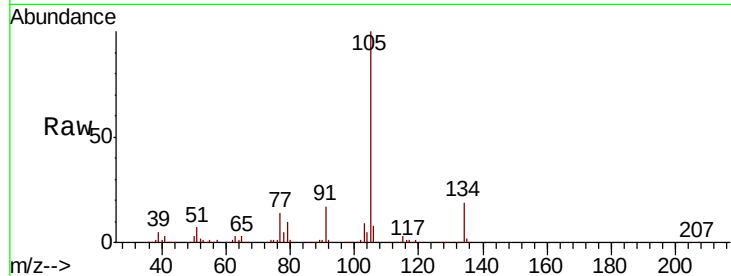
134 19.1 9.5 28.5

Manual Integrations

APPROVED

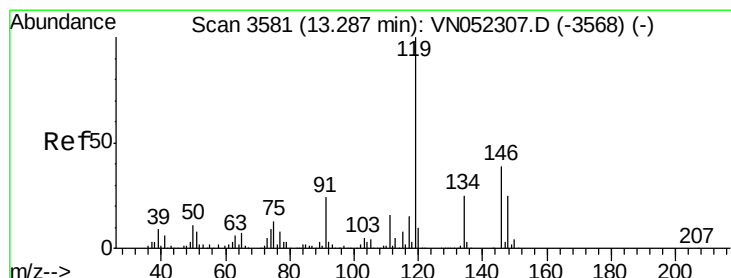
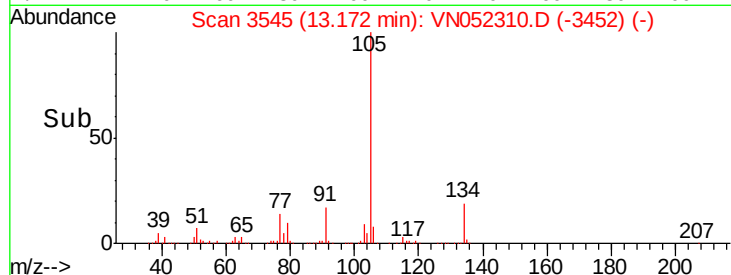
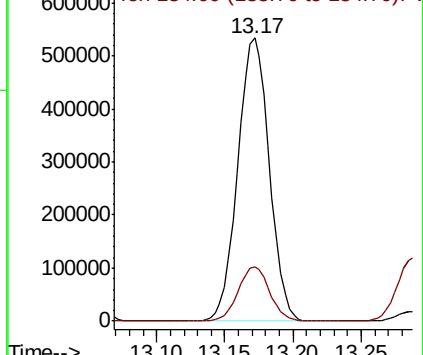
MMDadoda

11/20/2018 2:58:31 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.454 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

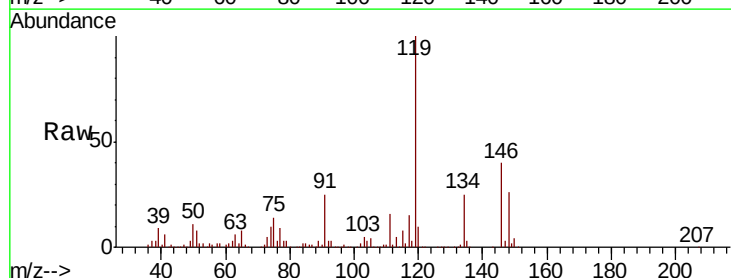
Tgt Ion:119 Resp: 733108

Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

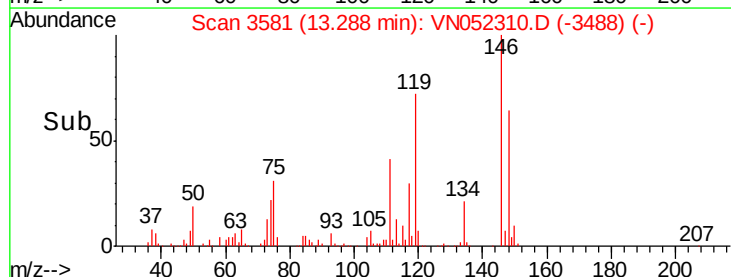
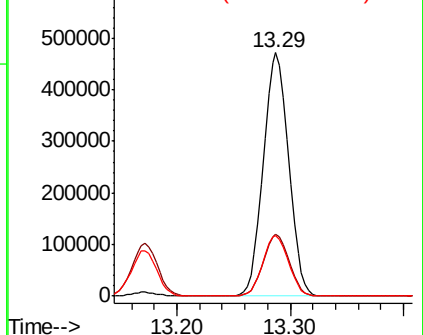
91 25.1 12.4 37.0

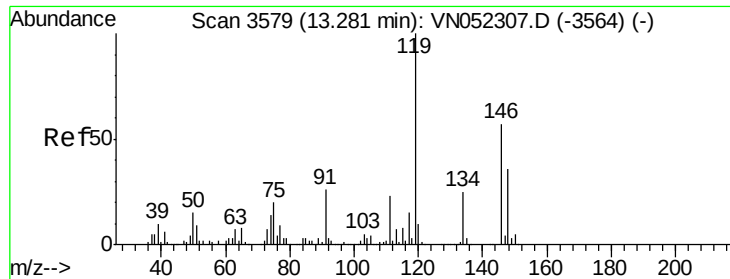


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





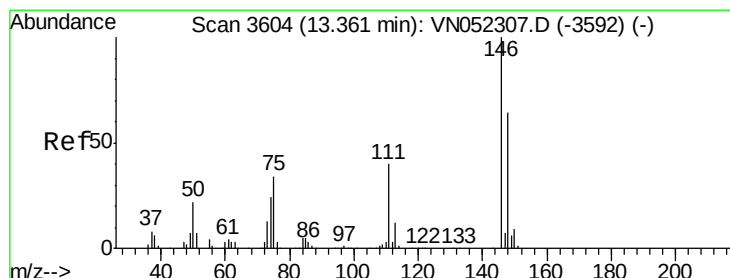
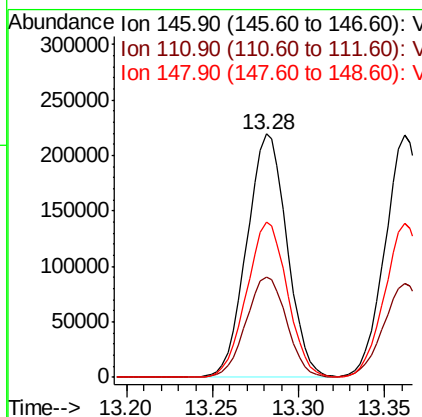
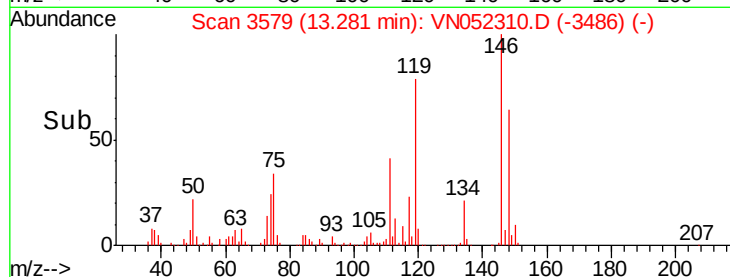
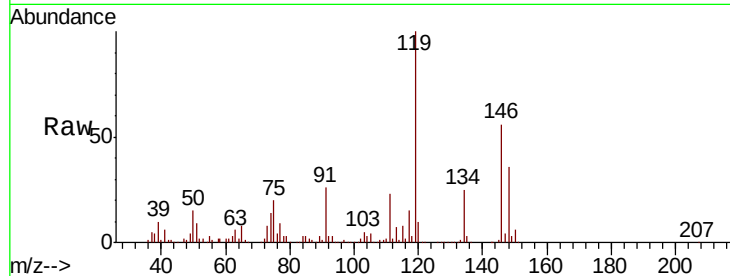
#87
 1,3-Dichlorobenzene
 Concen: 48.952 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111418

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	61.0
148	64.7	31.8	95.4

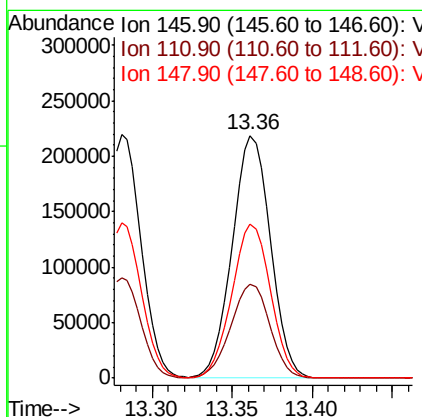
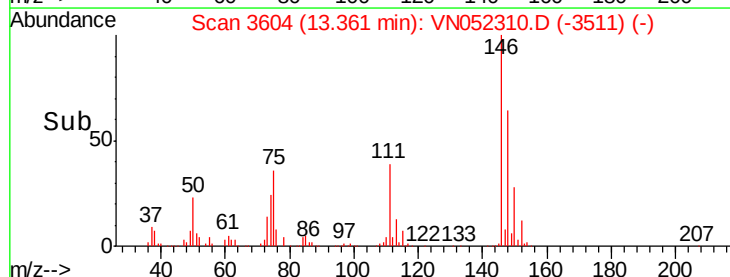
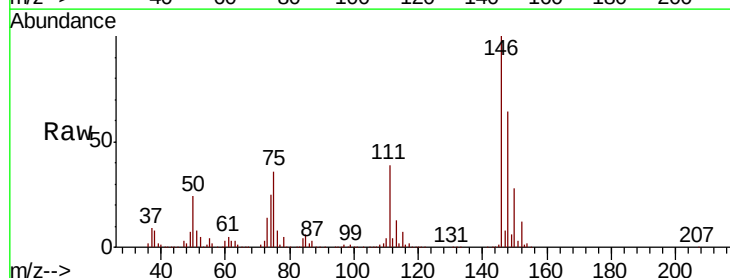
Manual Integrations
 APPROVED

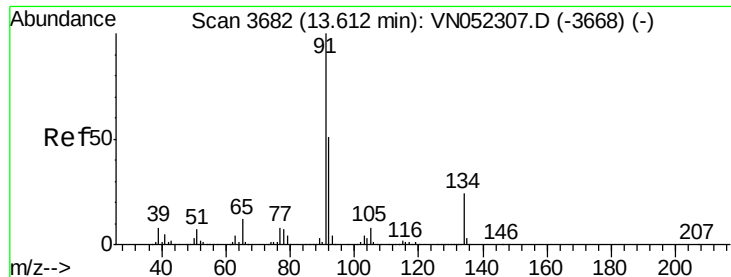
MMDadoda
 11/20/2018 2:58:31 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.249 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.6	61.8
148	64.3	32.4	97.2





#89

n-Butylbenzene

Concen: 54.664 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Instrument :

MSVOA_N

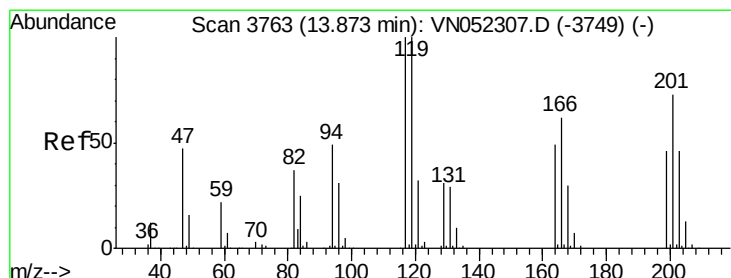
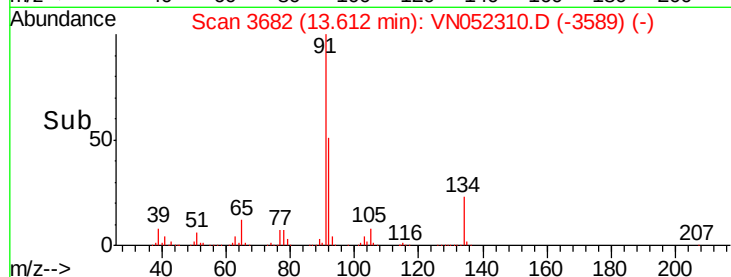
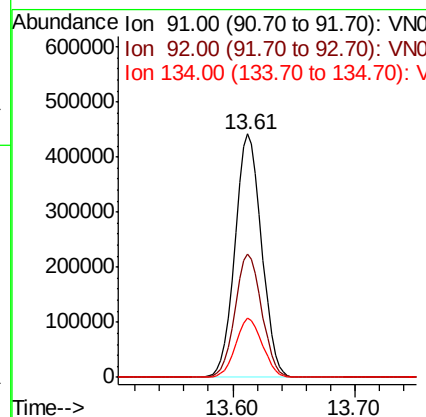
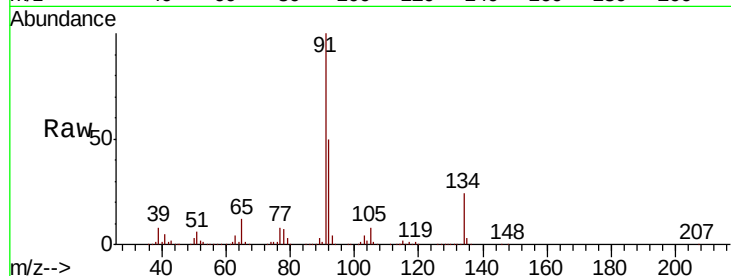
ClientSampleId :

ICVVN111418

Tot Ion:	91	Resp:	668931
Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.4	76.2
134	24.4	12.2	36.4

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:31 PM



#90

Hexachloroethane

Concen: 49.385 ug/l

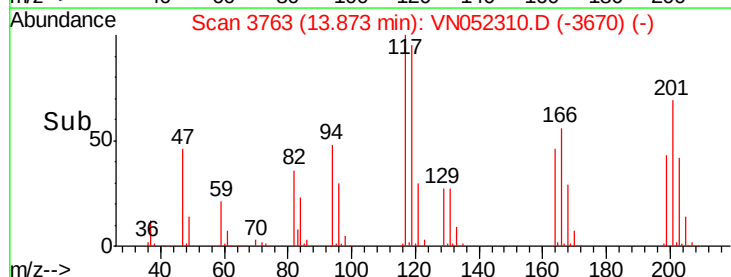
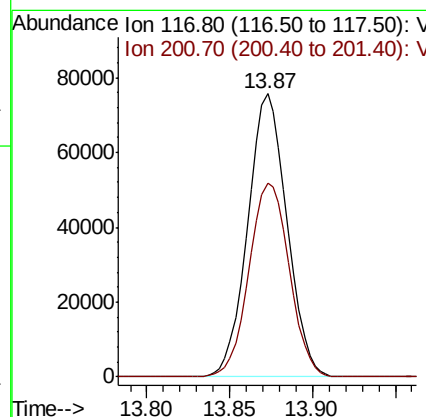
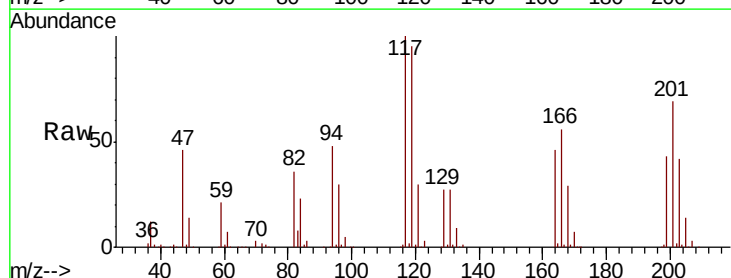
RT: 13.87 min Scan# 3763

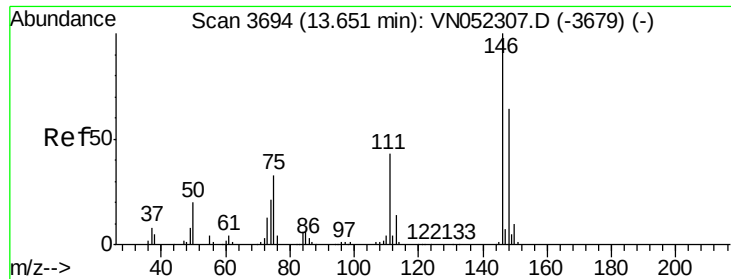
Delta R.T. 0.00 min

Lab File: VN052310.D

Acq: 14 Nov 2018 13:16

Tgt Ion:	117	Resp:	124626
Ion	Ratio	Lower	Upper
117	100		
201	70.5	35.3	105.9





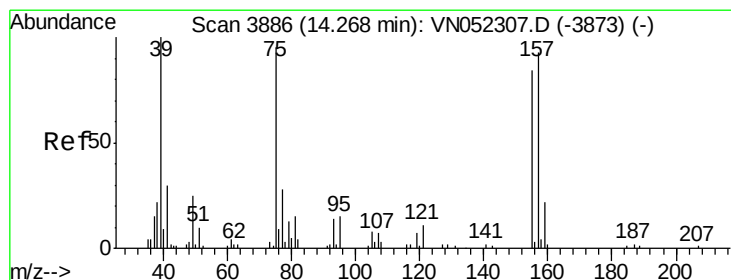
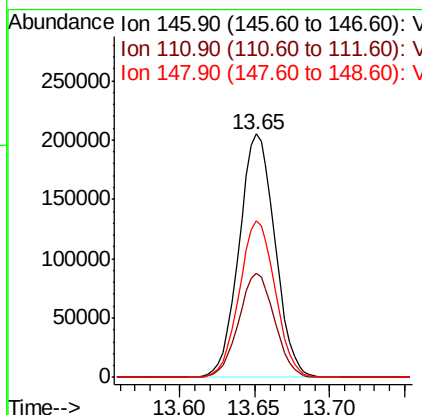
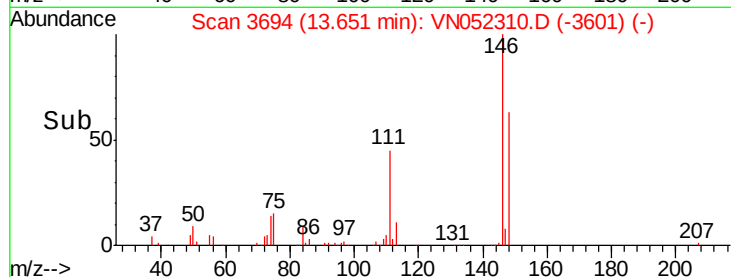
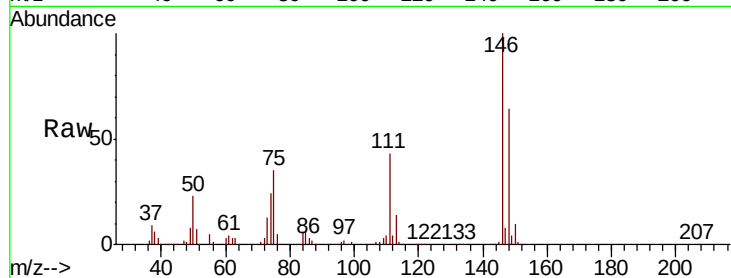
#91
 1,2-Dichlorobenzene
 Concen: 48.487 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111418

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	64.4	31.6	94.8

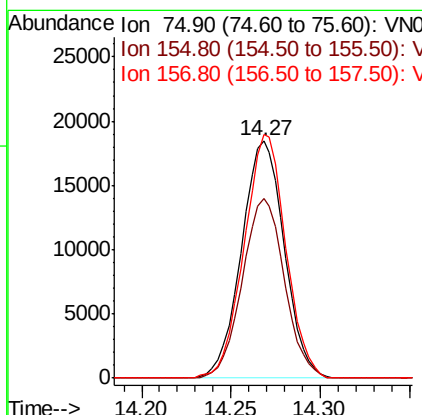
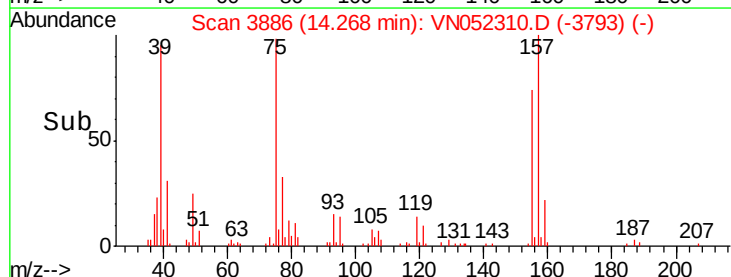
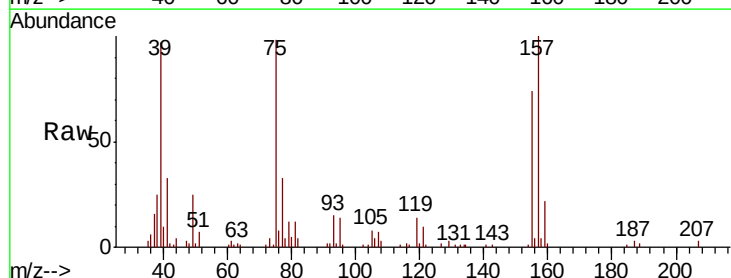
Manual Integrations
 APPROVED

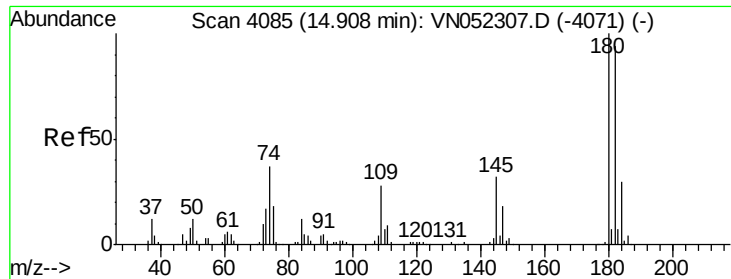
MMDadoda
 11/20/2018 2:58:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.308 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	42.4	127.3
157	99.7	49.6	149.0





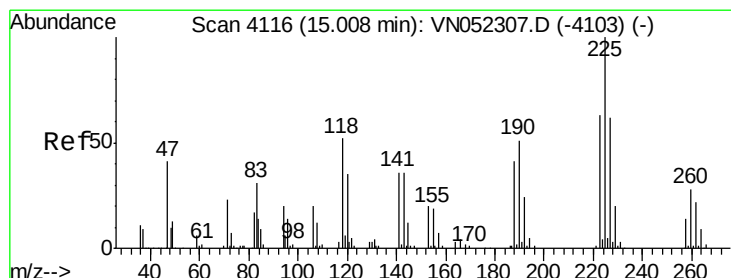
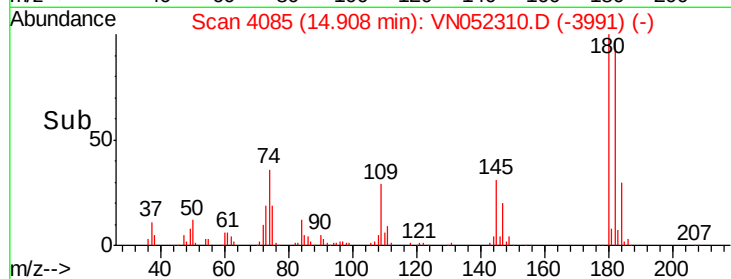
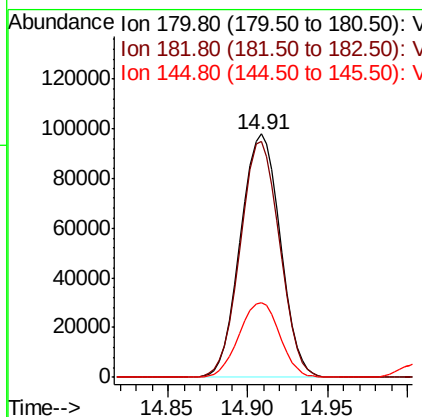
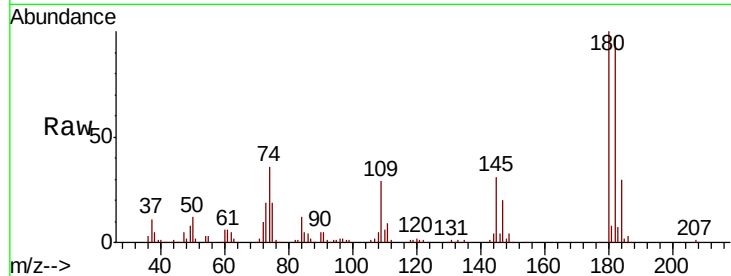
#93
 1,2,4-Trichlorobenzene
 Concen: 50.689 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN111418

Tot Ion	Ratio	Resp	Lower	Upper
180	100	166174		
182	95.8	47.6	142.9	
145	31.5	15.5	46.5	

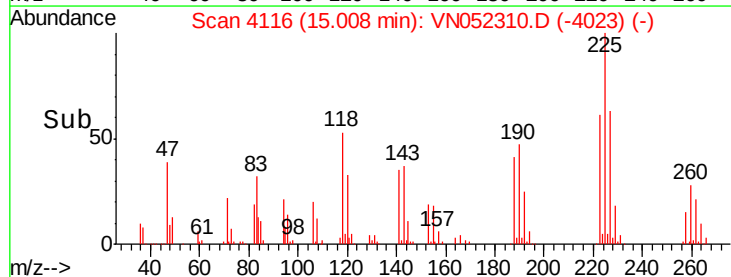
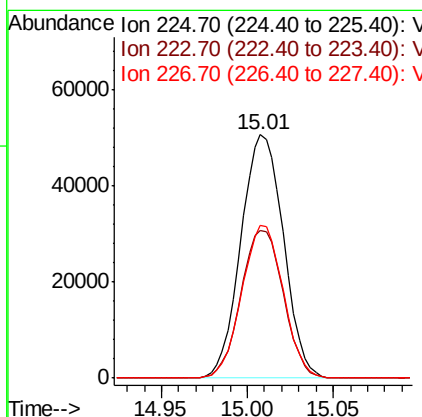
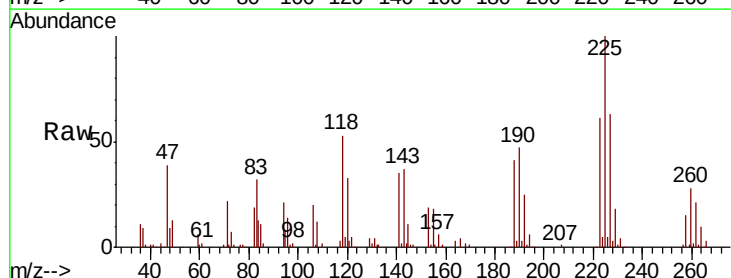
Manual Integrations
 APPROVED

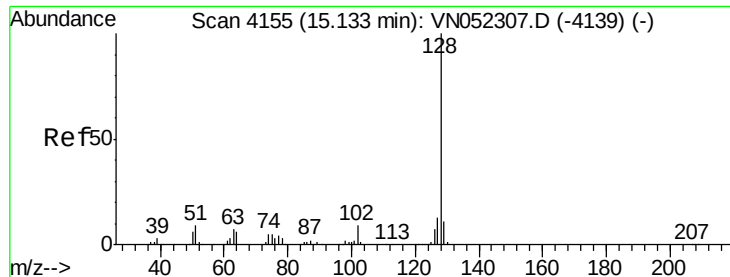
MMDadoda
 11/20/2018 2:58:31 PM



#94
 Hexachlorobutadiene
 Concen: 54.176 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052310.D
 Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87310		
223	60.5	31.9	95.5	
227	61.1	31.6	95.0	





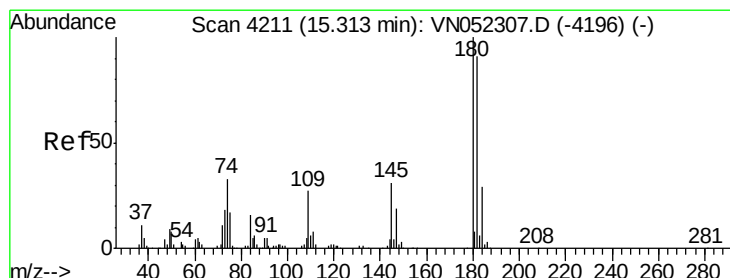
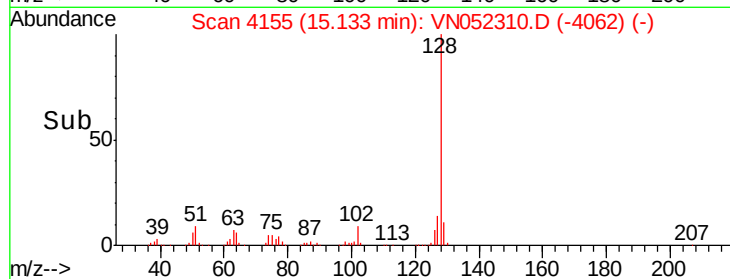
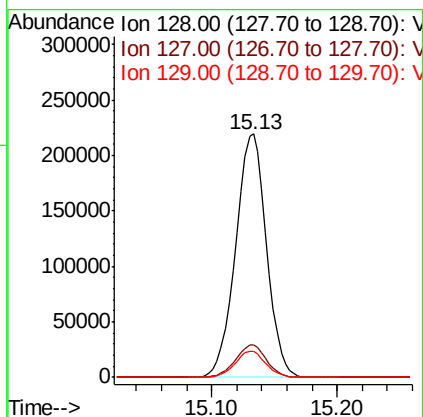
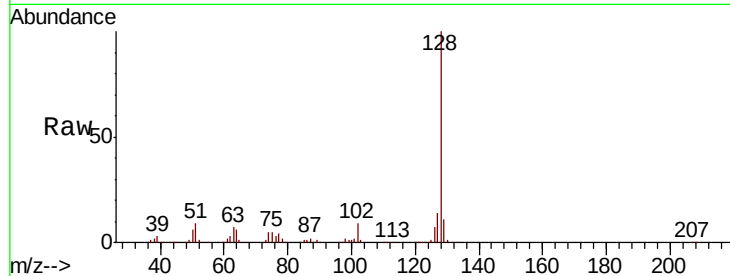
#95
Naphthalene
Concen: 48.424 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111418

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.807 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052310.D
Acq: 14 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.5	139.3
145	32.7	16.4	49.2

