

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051072.D
 Acq On : 10 Sep 2018 12:29
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN091018

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:40:42 AM

Quant Time: Sep 11 03:27:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	717697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1018866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	926619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	472239	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	397287	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	7.59	113	388470	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.09	98	1469208	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.40	95	494511	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	314749	45.48	ug/l	99
3) Chloromethane	2.06	50	431223	48.23	ug/l	100
4) Vinyl Chloride	2.18	62	435882	45.88	ug/l	98
5) Bromomethane	2.56	94	261706	48.79	ug/l	99
6) Chloroethane	2.70	64	266382	45.43	ug/l	99
7) Trichlorofluoromethane	3.01	101	588485	46.75	ug/l	100
8) Diethyl Ether	3.41	74	229751	49.62	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	386395	47.62	ug/l	99
10) Methyl Iodide	3.95	142	356519	47.32	ug/l	99
11) Tert butyl alcohol	4.79	59	132591	217.34	ug/l	99
12) 1,1-Dichloroethene	3.73	96	359622	46.97	ug/l	99
13) Acrolein	3.61	56	174959	236.42	ug/l	97
14) Allyl chloride	4.32	41	566350	48.56	ug/l	100
15) Acrylonitrile	4.99	53	641166	237.19	ug/l	99
16) Acetone	3.82	43	463911	234.55	ug/l	99
17) Carbon Disulfide	4.05	76	1088120	48.23	ug/l	99
18) Methyl Acetate	4.32	43	281215	43.97	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1006766	49.75	ug/l	99
20) Methylene Chloride	4.55	84	409030	46.36	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	390491	47.03	ug/l	100
22) Diisopropyl ether	5.95	45	1173263	50.68	ug/l	98
23) Vinyl Acetate	5.89	43	3985492	254.37	ug/l	100
24) 1,1-Dichloroethane	5.85	63	707045	48.13	ug/l	99
25) 2-Butanone	6.83	43	706371	224.95	ug/l	100
26) 2,2-Dichloropropane	6.82	77	565631	47.05	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	440150	48.32	ug/l	100
28) Bromochloromethane	7.19	49	319938	48.93	ug/l	99
29) Tetrahydrofuran	7.21	42	466088	237.68	ug/l	99
30) Chloroform	7.37	83	701980	48.04	ug/l	100
31) Cyclohexane	7.65	56	643903	49.16	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	598868	48.10	ug/l	100
36) 1,1-Dichloropropene	7.79	75	548127	49.00	ug/l	100
37) Ethyl Acetate	6.93	43	321123	49.57	ug/l	99
38) Carbon Tetrachloride	7.77	117	536064	48.69	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051072.D
 Acq On : 10 Sep 2018 12:29
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091018

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:40:42 AM

Quant Time: Sep 11 03:27:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	631460	51.16	ug/l	99
40) Benzene	8.04	78	1649393	48.93	ug/l	100
41) Methacrylonitrile	7.17	41	148045	44.29	ug/l	94
42) 1,2-Dichloroethane	8.12	62	482672	49.13	ug/l	100
43) Isopropyl Acetate	8.16	43	558142	48.83	ug/l	99
44) Trichloroethene	8.83	130	446322	48.41	ug/l	100
45) 1,2-Dichloropropane	9.12	63	431592	49.55	ug/l	99
46) Dibromomethane	9.21	93	254369	47.87	ug/l	100
47) Bromodichloromethane	9.40	83	540077	49.98	ug/l	99
48) Methyl methacrylate	9.20	41	278725	50.03	ug/l	100
49) 1,4-Dioxane	9.20	88	83023	950.39	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1544725	244.36	ug/l	100
52) Toluene	10.15	92	1032861	50.25	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	554598	51.28	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	651747	51.40	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	368390	49.34	ug/l	99
56) Ethyl methacrylate	10.43	69	473299	47.37	ug/l	99
57) 1,3-Dichloropropane	10.71	76	612694	49.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	974860	232.58	ug/l	99
59) 2-Hexanone	10.75	43	1030060	240.27	ug/l	99
60) Dibromochloromethane	10.90	129	423475	50.32	ug/l	99
61) 1,2-Dibromoethane	11.00	107	365781	50.12	ug/l	99
64) Tetrachloroethene	10.63	164	403564	47.73	ug/l	99
65) Chlorobenzene	11.43	112	1137581	48.70	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	416295	49.50	ug/l	99
67) Ethyl Benzene	11.51	91	1932773	51.10	ug/l	99
68) m/p-Xylenes	11.62	106	1520462	104.62	ug/l	99
69) o-Xylene	11.95	106	727771	51.71	ug/l	100
70) Styrene	11.96	104	1174716	53.81	ug/l	100
71) Bromoform	12.13	173	296801	50.13	ug/l #	100
73) Isopropylbenzene	12.25	105	1913524	48.32	ug/l	100
74) N-amyl acetate	12.07	43	471857	47.34	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	449929	49.50	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	375894m	51.38	ug/l	
77) Bromobenzene	12.53	156	494922	46.53	ug/l	98
78) n-propylbenzene	12.59	91	2149624	49.38	ug/l	100
79) 2-Chlorotoluene	12.67	91	1279822	47.04	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1566722	48.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	120070	48.29	ug/l	98
82) 4-Chlorotoluene	12.77	91	1278946	47.35	ug/l	99
83) tert-Butylbenzene	12.99	119	1359654	48.10	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1595257	50.67	ug/l	100
85) sec-Butylbenzene	13.17	105	1792923	49.46	ug/l	100
86) p-Isopropyltoluene	13.29	119	1601009	52.09	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	849084	47.05	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	821167	49.56	ug/l	99
89) n-Butylbenzene	13.61	91	1255164	52.47	ug/l	100
90) Hexachloroethane	13.87	117	282188	50.43	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	808443	45.97	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61859	45.79	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
Data File : VN051072.D
Acq On : 10 Sep 2018 12:29
Operator : MD\SY
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:40:42 AM

Quant Time: Sep 11 03:27:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	390632	46.29	ug/l	98
94) Hexachlorobutadiene	15.01	225	268158	52.41	ug/l	100
95) Naphthalene	15.13	128	762345	43.69	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	380656	47.07	ug/l	99

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

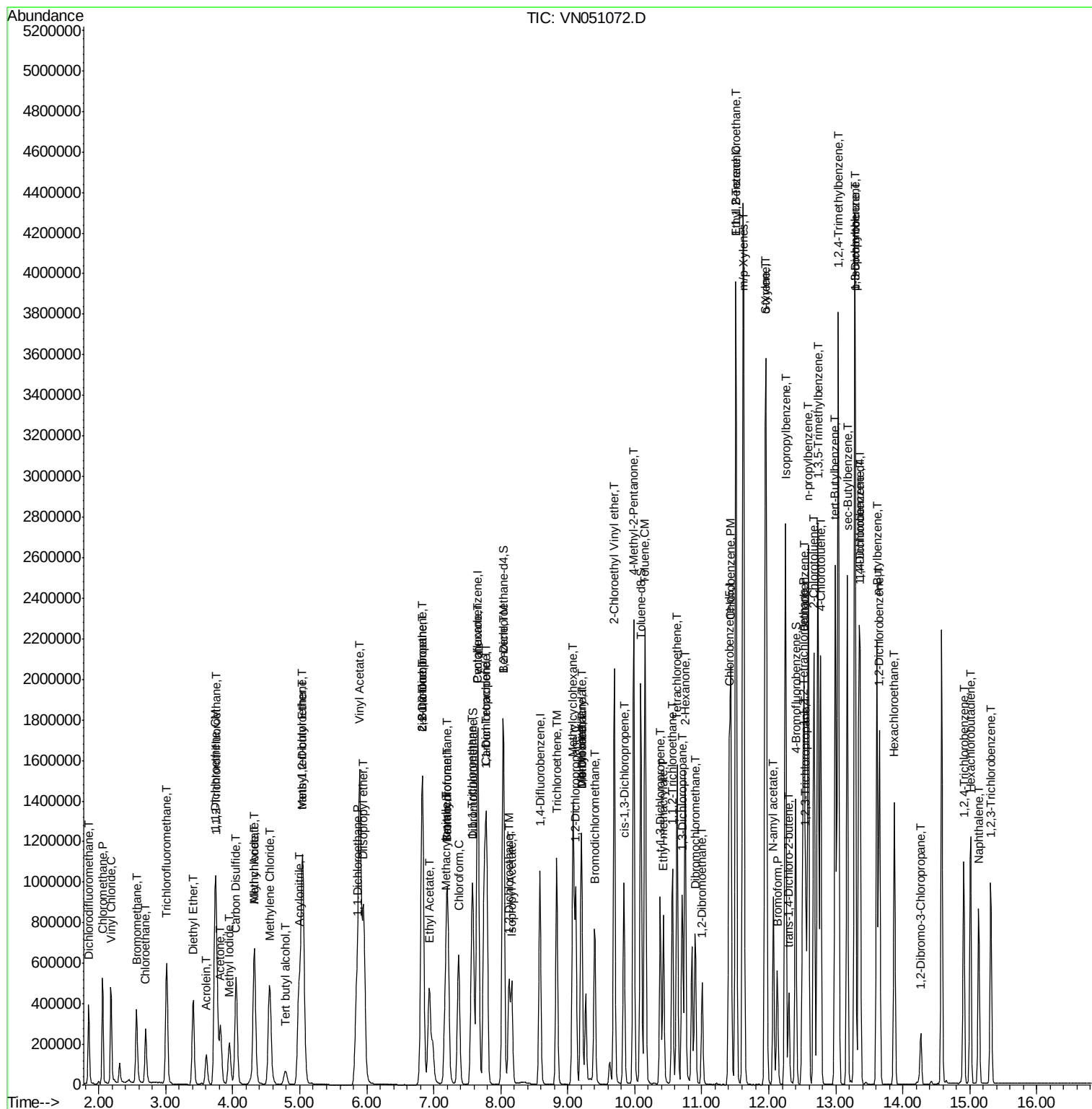
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
Data File : VN051072.D
Acq On : 10 Sep 2018 12:29
Operator : MD\SY
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

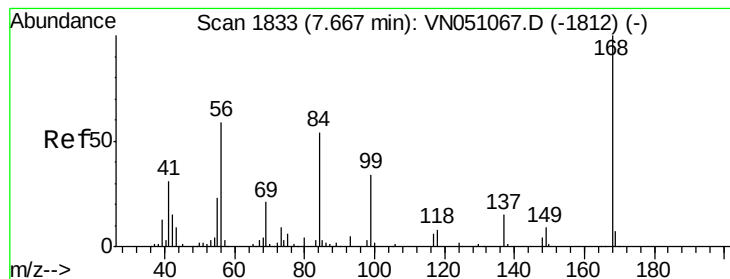
Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:40:42 AM

Quant Time: Sep 11 03:27:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091018

Tot Ion:168 Resp: 717697

Ion Ratio Lower Upper

168 100

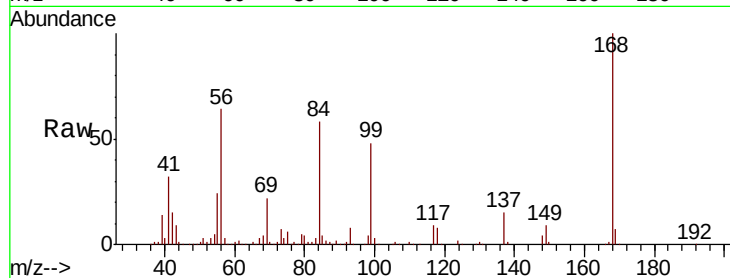
99 48.1 38.3 57.5

Manual Integrations

APPROVED

MMDadoda

9/11/2018 9:40:42 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

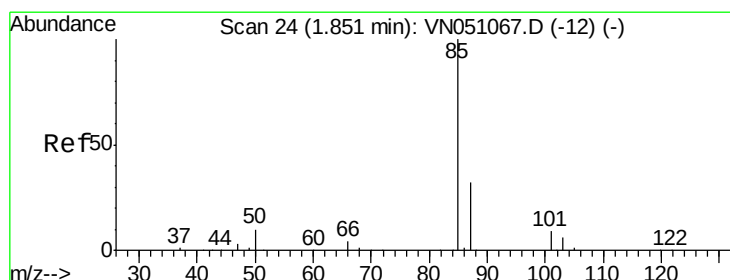
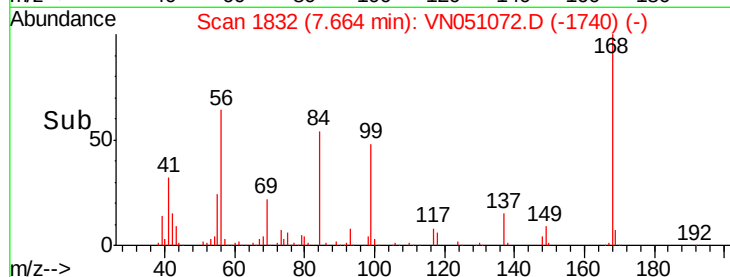
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.48 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051072.D

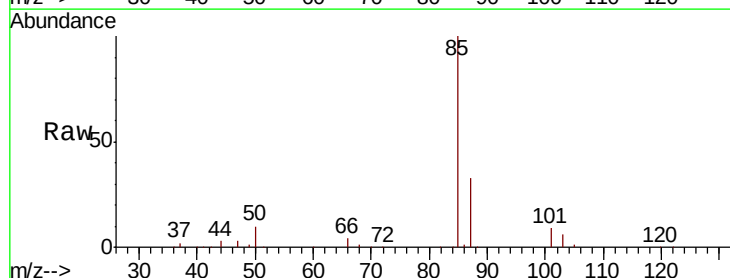
Acq: 10 Sep 2018 12:29

Tgt Ion: 85 Resp: 314749

Ion Ratio Lower Upper

85 100

87 32.5 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

250000

200000

150000

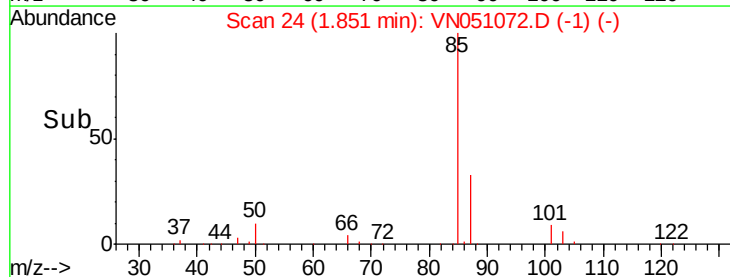
100000

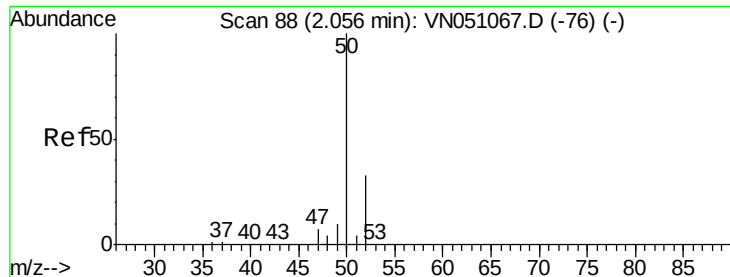
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.23 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

ClientSampled :

ICVVN091018

Tot Ion: 50 Resp: 431223

Ion Ratio Lower Upper

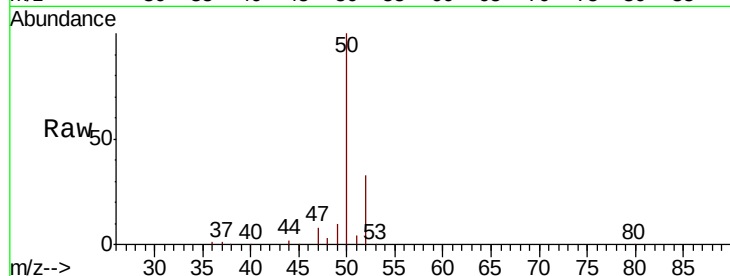
50 100

52 32.7 26.0 39.0

Manual Integrations
APPROVED

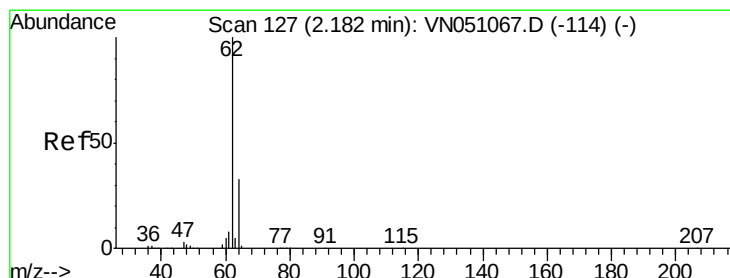
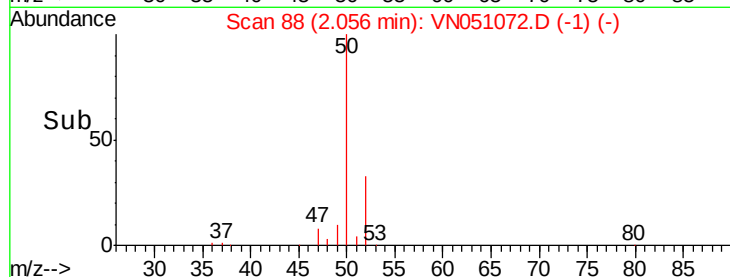
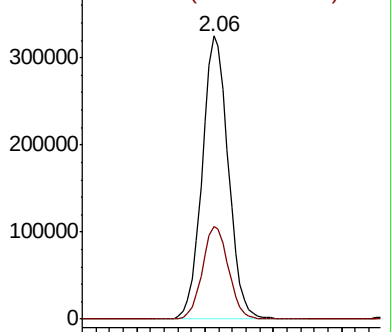
MMDadoda

9/11/2018 9:40:42 AM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 45.88 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051072.D

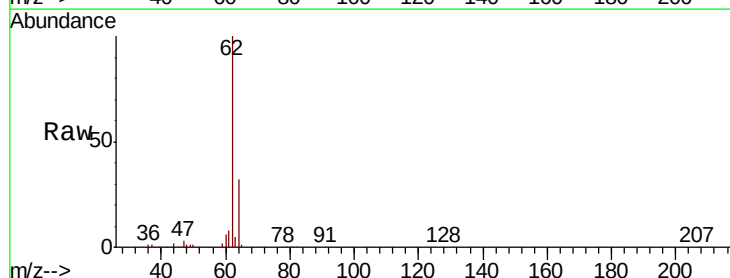
Acq: 10 Sep 2018 12:29

Tgt Ion: 62 Resp: 435882

Ion Ratio Lower Upper

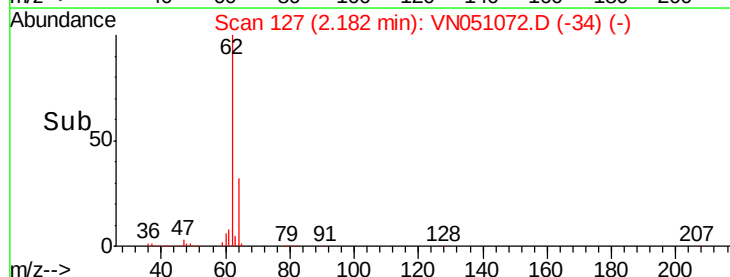
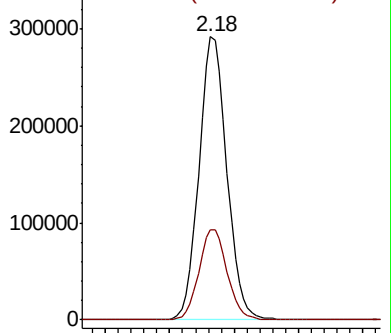
62 100

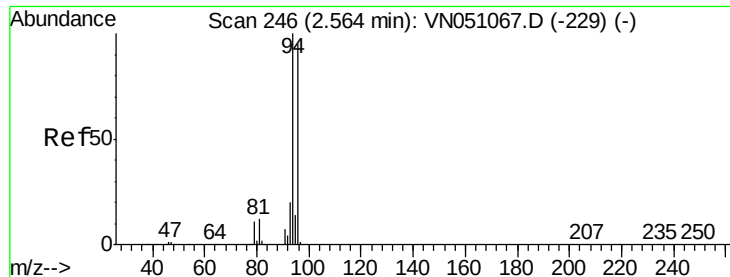
64 32.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 48.79 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

ClientSampled :

ICVVN091018

Tot Ion: 94 Resp: 261706

Ion Ratio Lower Upper

94 100

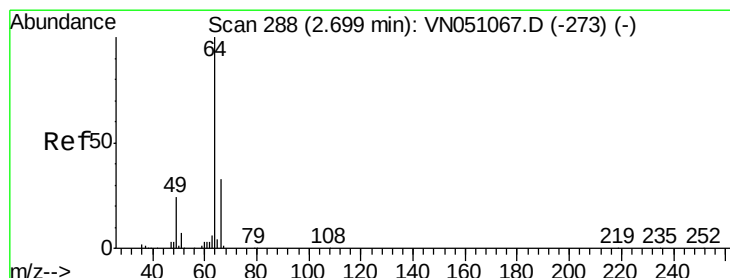
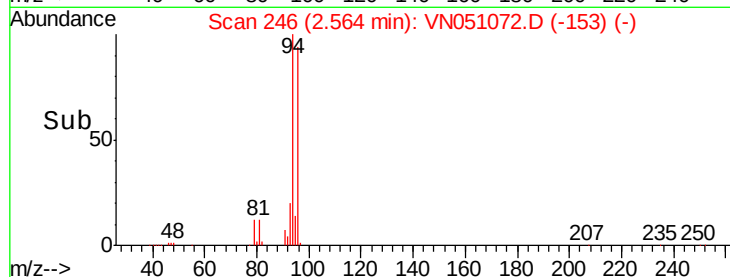
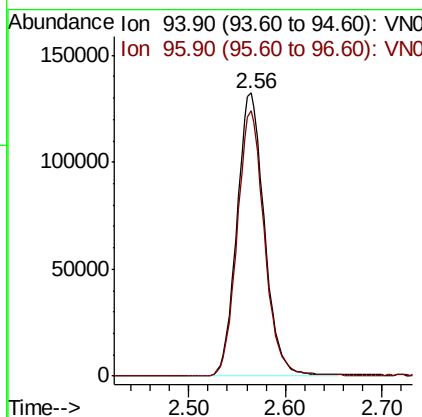
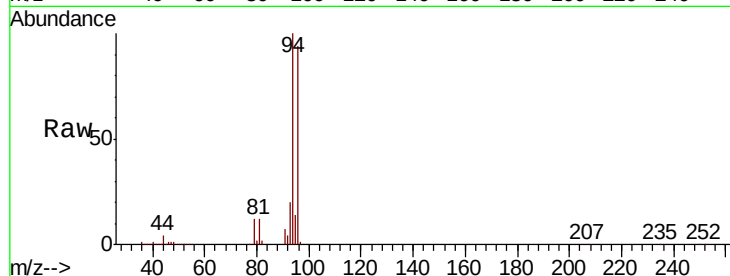
96 94.0 75.9 113.9

Manual Integrations

APPROVED

MMDadoda

9/11/2018 9:40:42 AM



#6

Chloroethane

Concen: 45.43 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051072.D

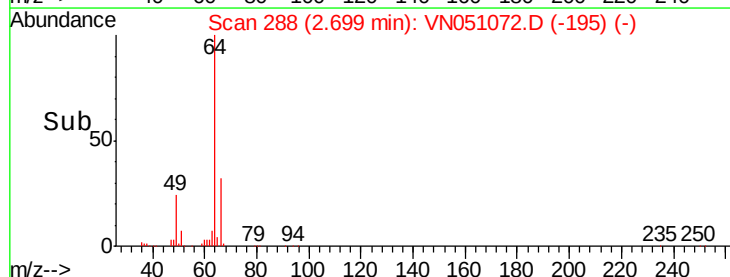
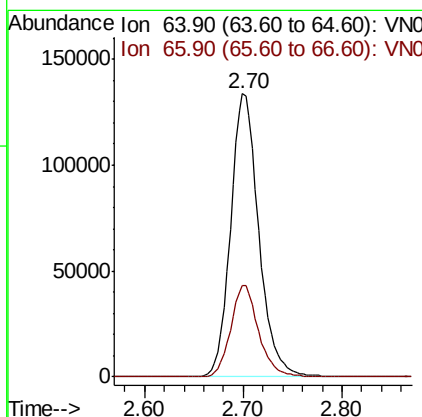
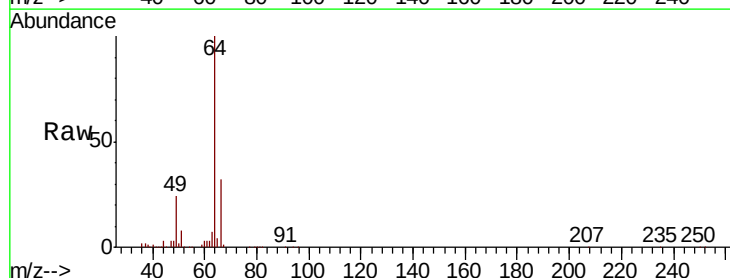
Acq: 10 Sep 2018 12:29

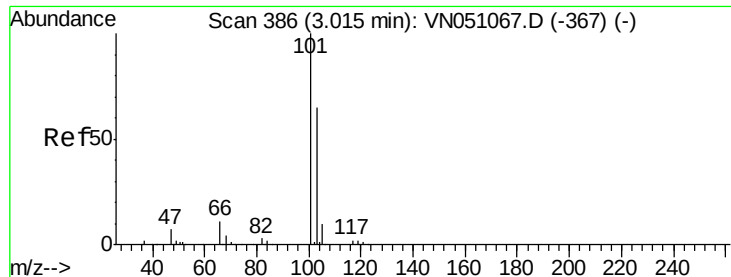
Tgt Ion: 64 Resp: 266382

Ion Ratio Lower Upper

64 100

66 32.3 26.1 39.1





#7

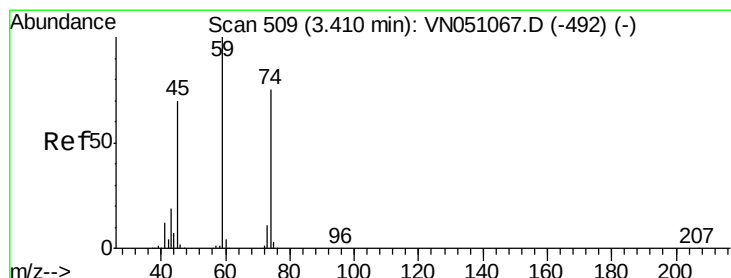
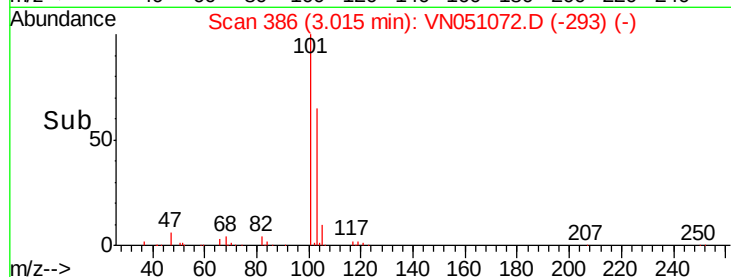
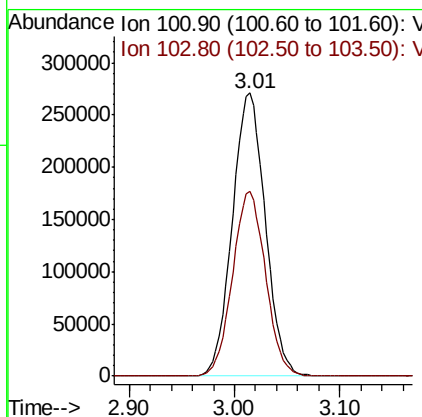
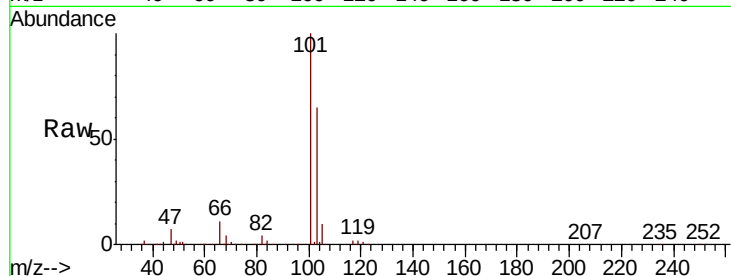
Trichlorofluoromethane
 Concen: 46.75 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091018

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.4	78.6

Manual Integrations
 APPROVED

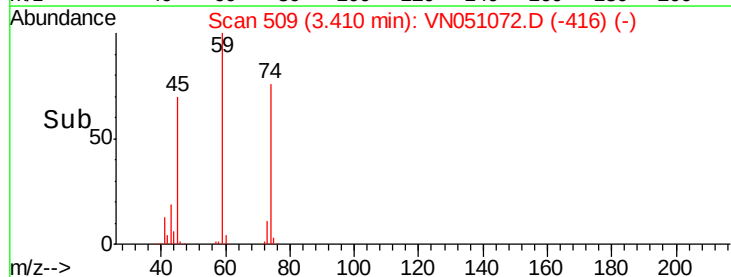
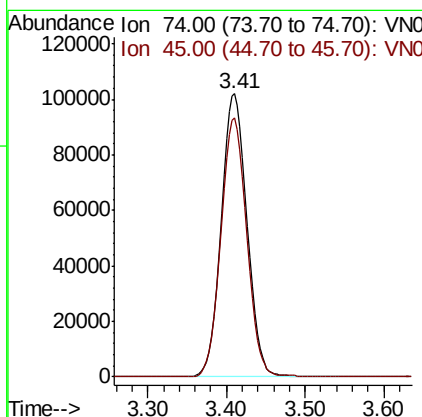
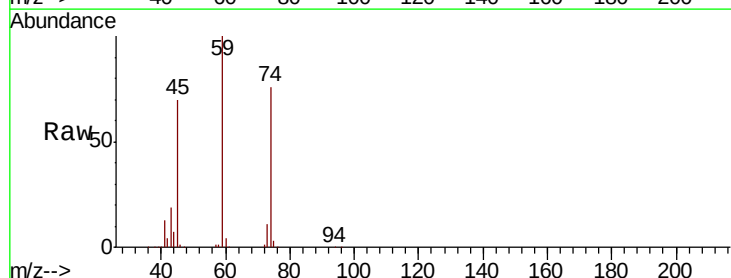
MMDadoda
 9/11/2018 9:40:42 AM

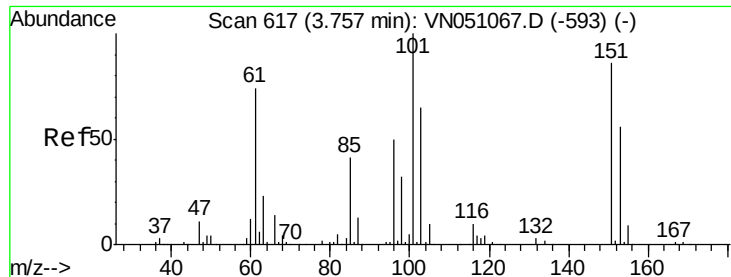


#8

Diethyl Ether
 Concen: 49.62 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	46.7	140.0





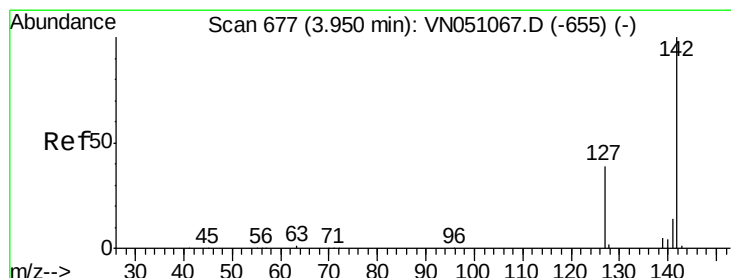
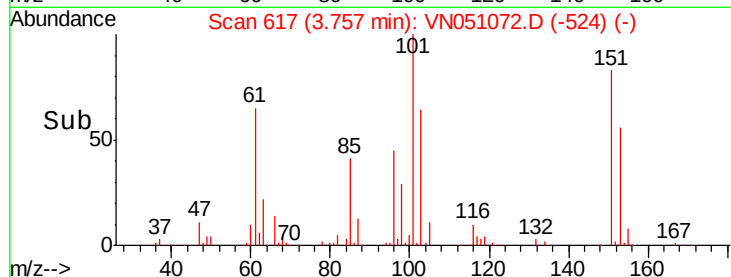
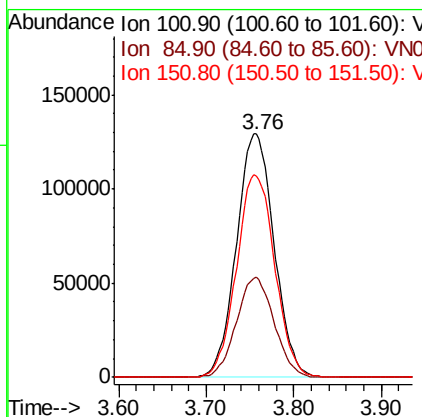
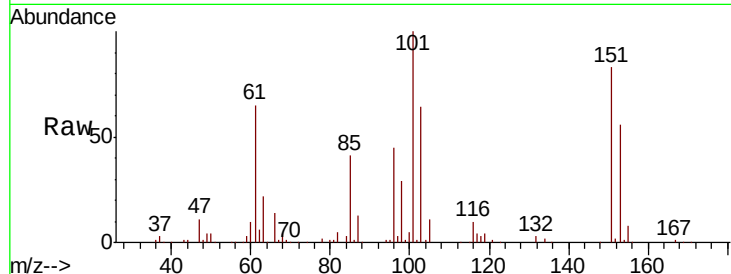
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.62 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091018

Tot Ion	Ratio	Resp	Lower	Upper
101	100	386395		
85	41.1	33.3	49.9	
151	84.5	68.2	102.2	

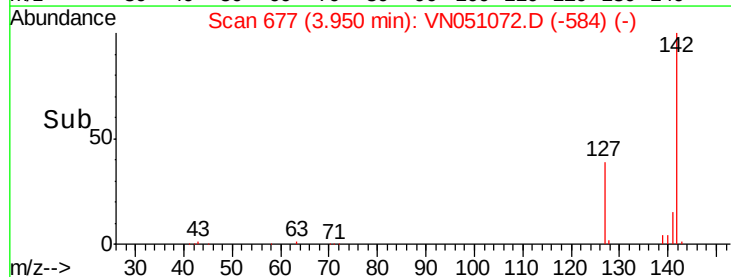
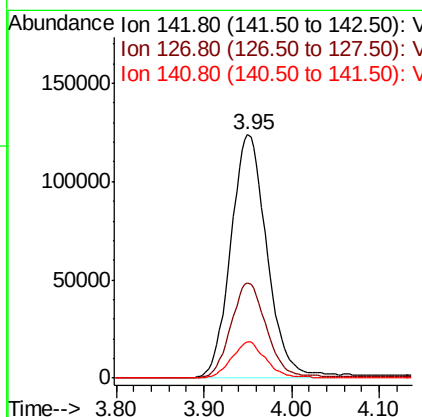
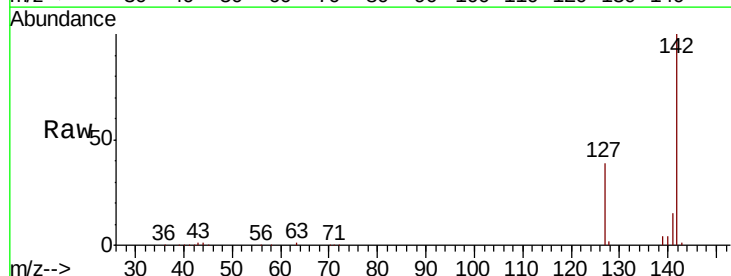
Manual Integrations
 APPROVED

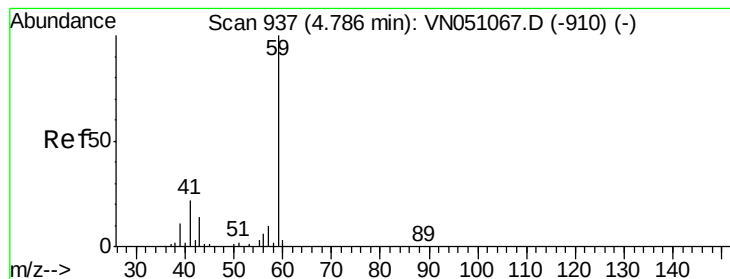
MMDadoda
 9/11/2018 9:40:42 AM



#10
 Methyl Iodide
 Concen: 47.32 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	356519		
127	39.1	31.0	46.4	
141	14.3	11.3	16.9	





#11

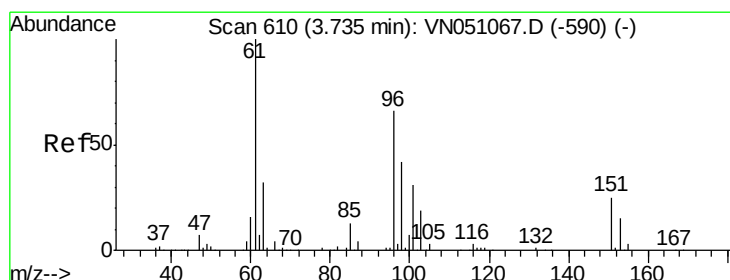
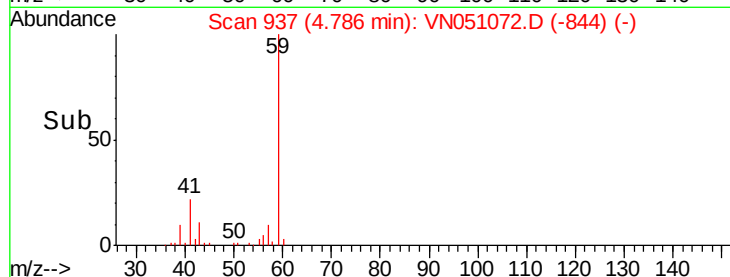
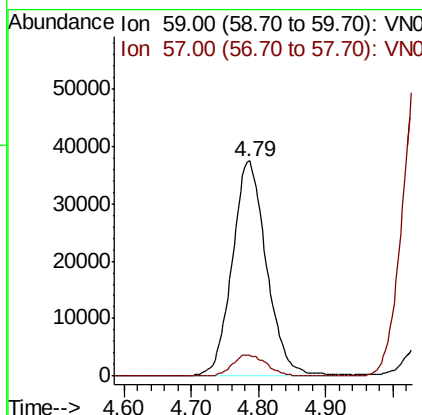
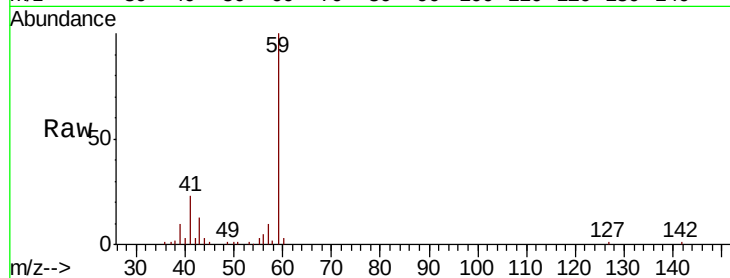
Tert butyl alcohol
 Concen: 217.34 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091018

Tot Ion	59	Resp	132591
Ion Ratio	100	Lower	Upper
57	9.8	8.1	12.1

Manual Integrations
 APPROVED

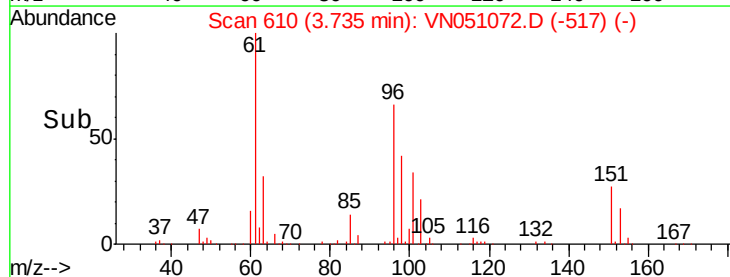
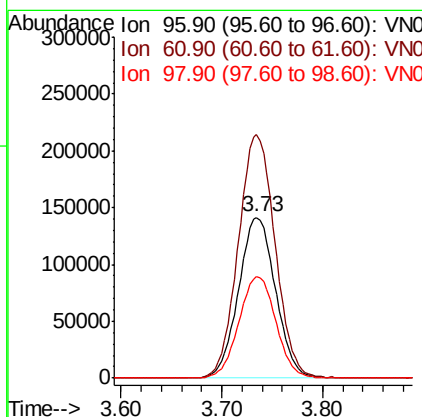
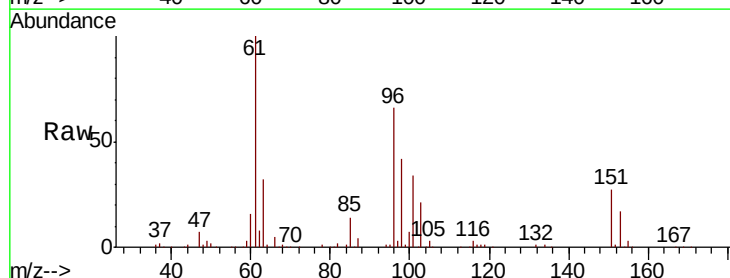
MMDadoda
 9/11/2018 9:40:42 AM

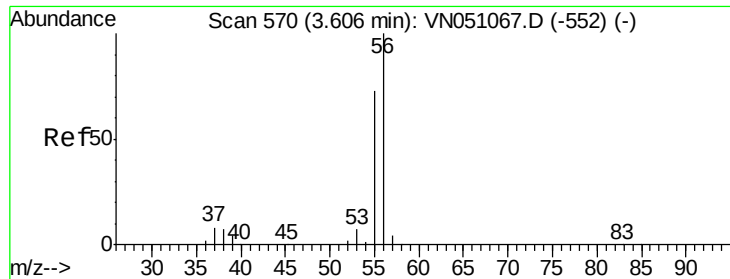


#12

1,1-Dichloroethene
 Concen: 46.97 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Tgt Ion	96	Resp	359622
Ion Ratio	100	Lower	Upper
61	151.5	120.3	180.5
98	62.9	50.8	76.2





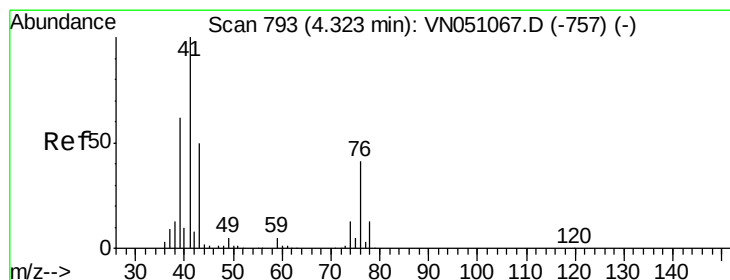
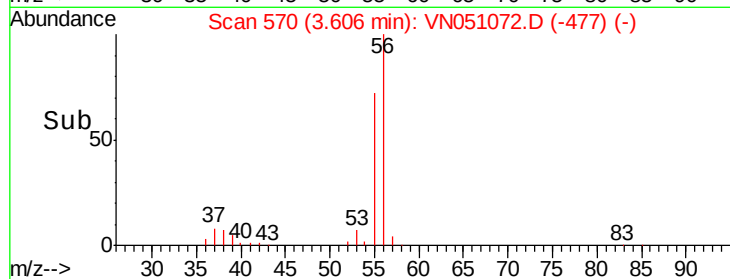
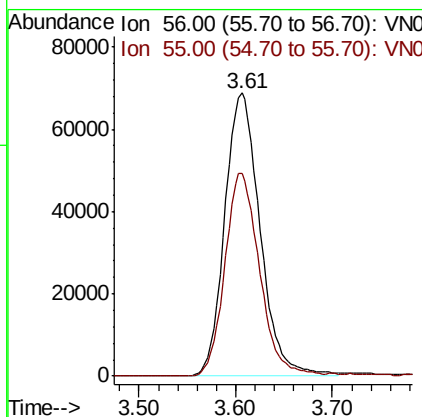
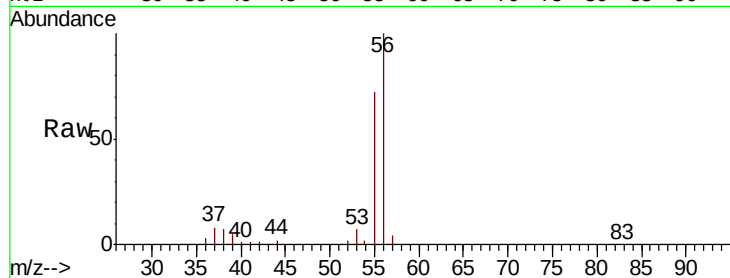
#13
Acrolein
Concen: 236.42 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion	56	55	Ratio	Lower	Upper
174959	100	70.3		58.0	87.0

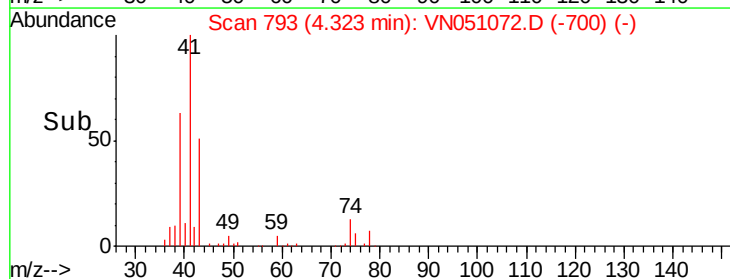
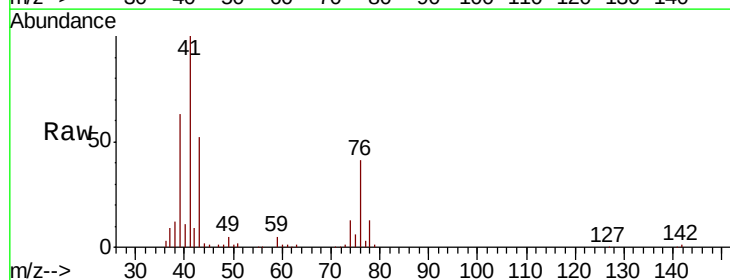
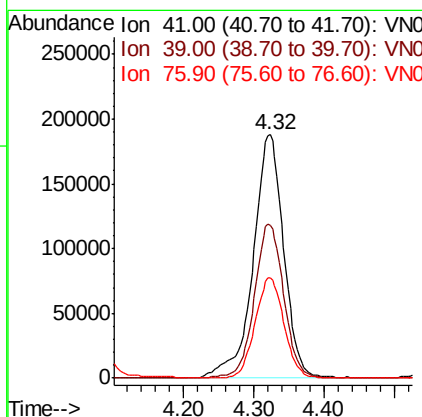
Manual Integrations
APPROVED

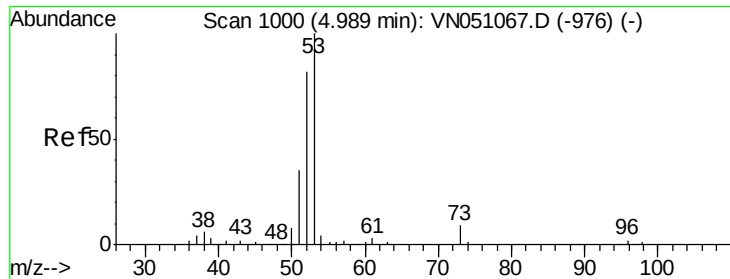
MMDadoda
9/11/2018 9:40:42 AM



#14
Allyl chloride
Concen: 48.56 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion	41	39	76	Ratio	Lower	Upper
566350	100	61.0	38.3		48.8	73.2
					30.6	45.8





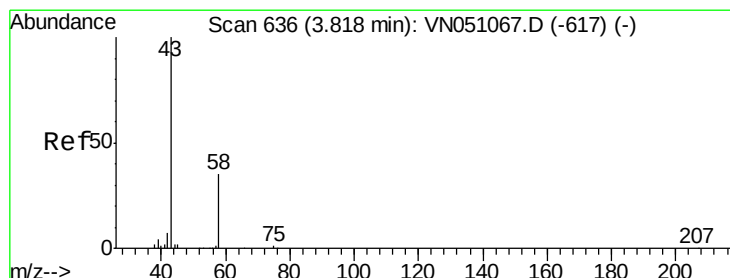
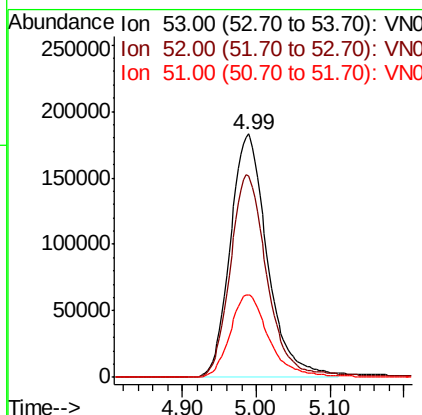
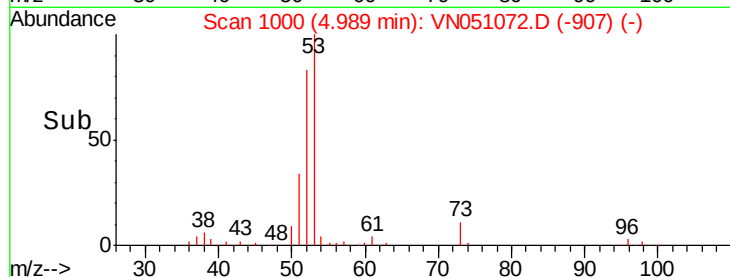
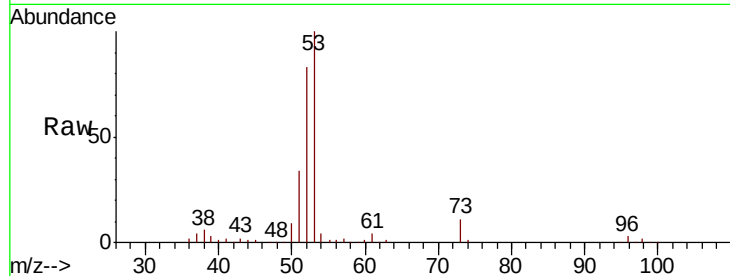
#15
 Acrylonitrile
 Concen: 237.19 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091018

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.3	97.9
51	35.5	28.2	42.2

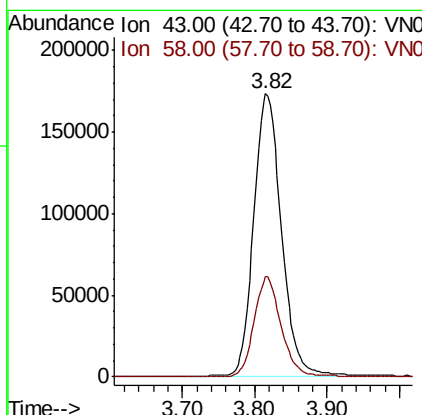
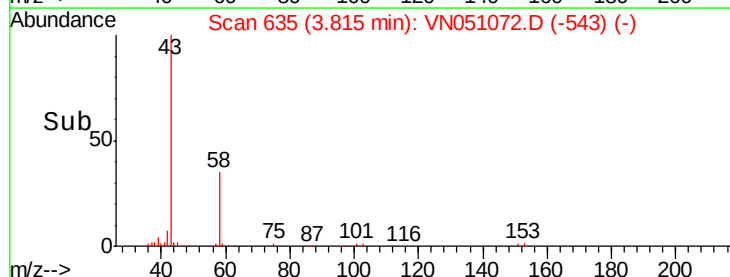
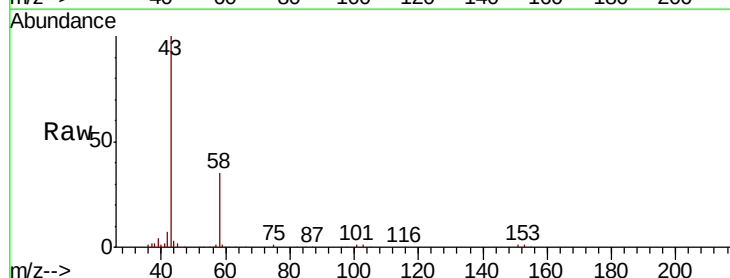
Manual Integrations
 APPROVED

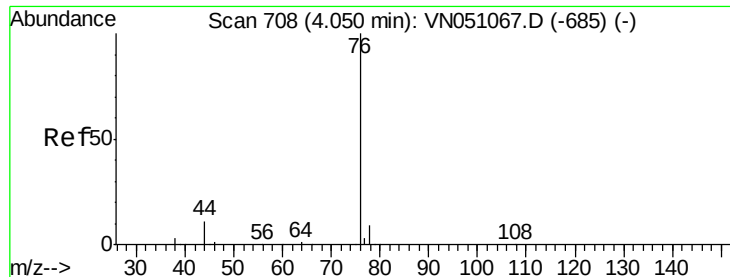
MMDadoda
 9/11/2018 9:40:42 AM



#16
 Acetone
 Concen: 234.55 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.4	27.8	41.6





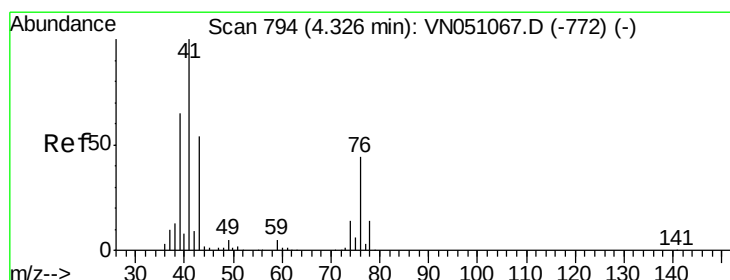
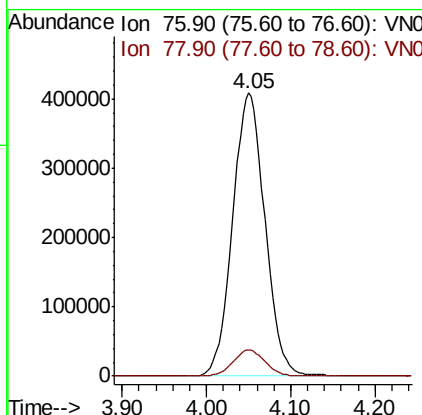
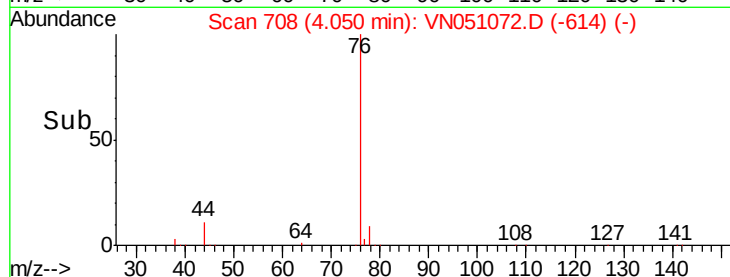
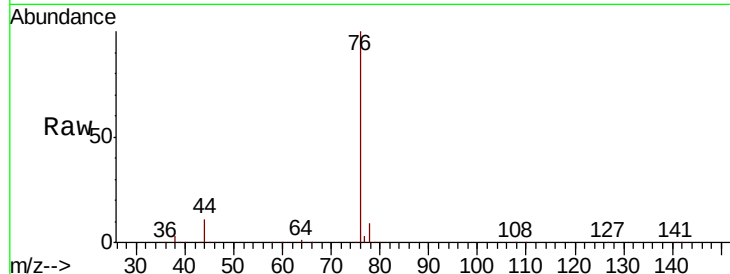
#17
Carbon Disulfide
Concen: 48.23 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion: 76 Resp: 1088120
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

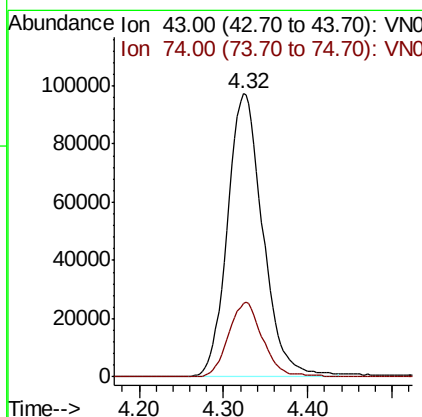
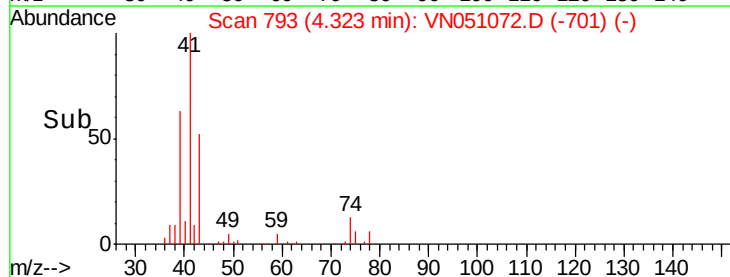
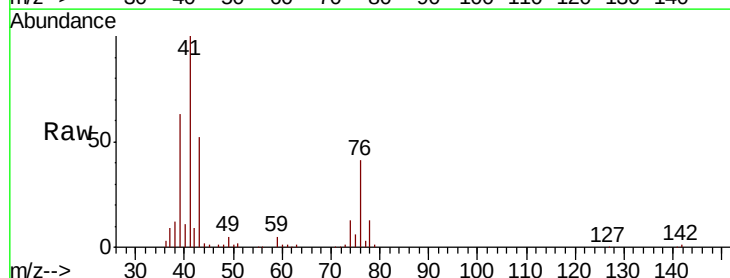
Manual Integrations
APPROVED

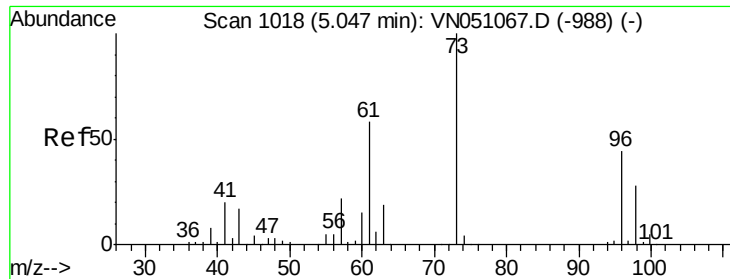
MMDadoda
9/11/2018 9:40:42 AM



#18
Methyl Acetate
Concen: 43.97 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion: 43 Resp: 281215
Ion Ratio Lower Upper
43 100
74 26.1 20.7 31.1





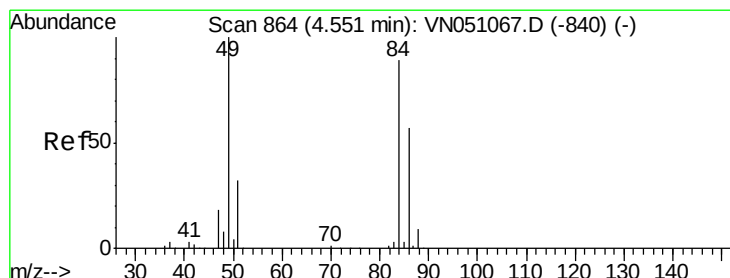
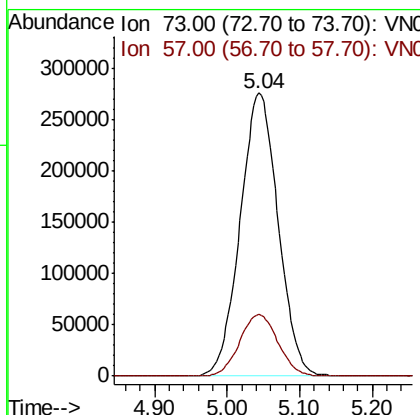
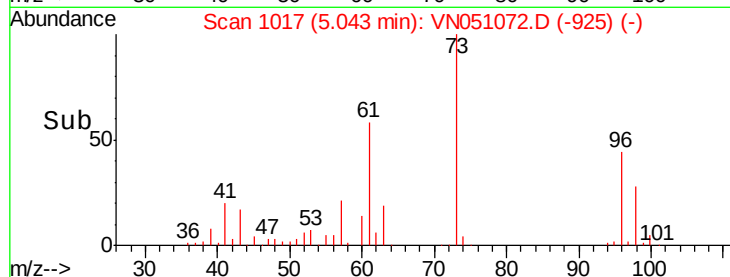
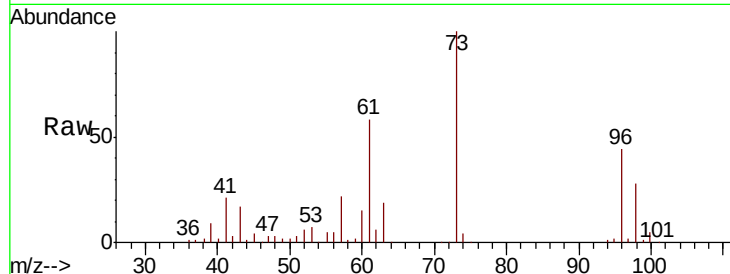
#19
Methyl tert-butyl Ether
Concen: 49.75 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion: 73 Resp: 1006766
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9

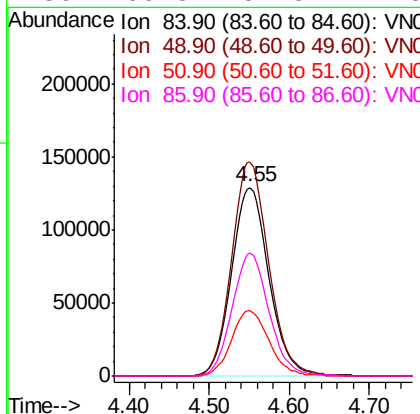
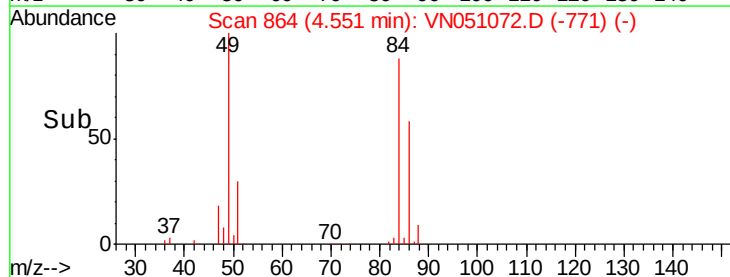
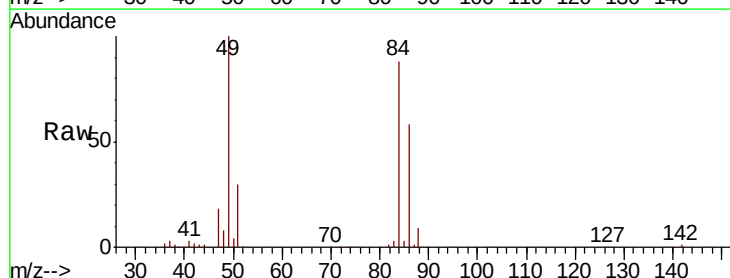
Manual Integrations
APPROVED

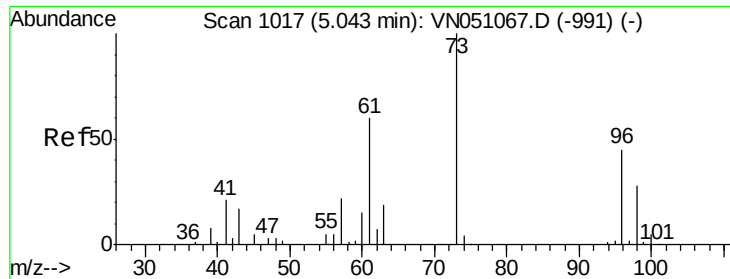
MMDadoda
9/11/2018 9:40:42 AM



#20
Methylene Chloride
Concen: 46.36 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion: 84 Resp: 409030
Ion Ratio Lower Upper
84 100
49 113.4 90.2 135.2
51 34.4 28.4 42.6
86 65.3 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 47.03 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

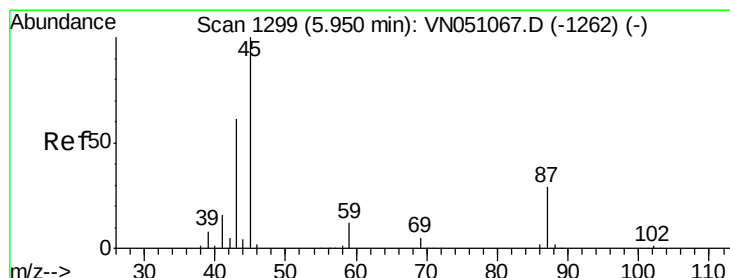
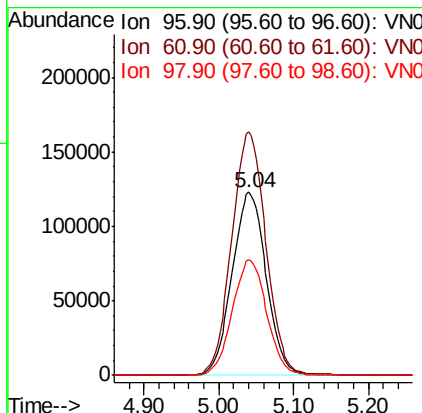
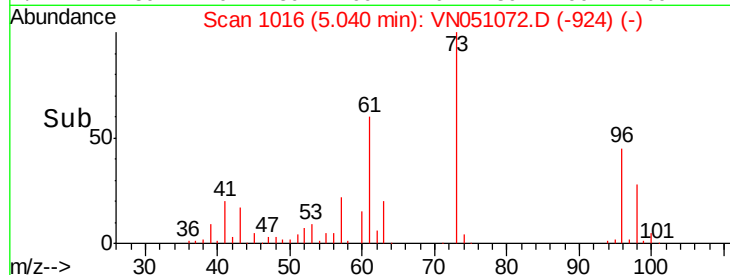
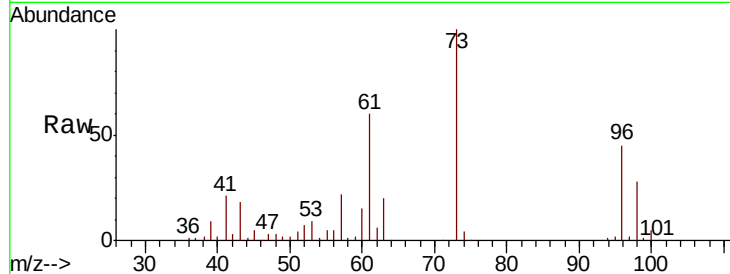
ClientSampled :

ICV091018

Tot Ion:	96	Resp:	390491
Ion	Ratio	Lower	Upper
96	100		
61	133.2	106.5	159.7
98	63.4	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:40:42 AM



#22

Diisopropyl ether

Concen: 50.68 ug/l

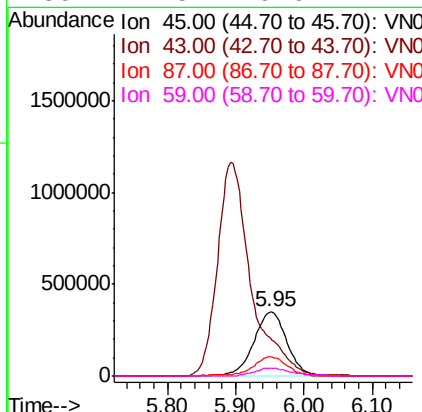
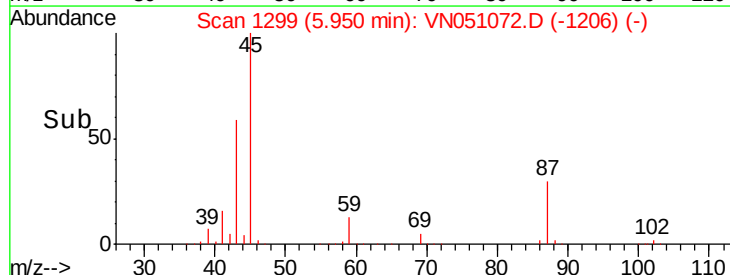
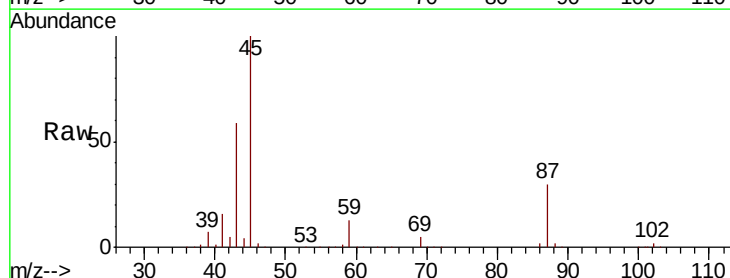
RT: 5.95 min Scan# 1299

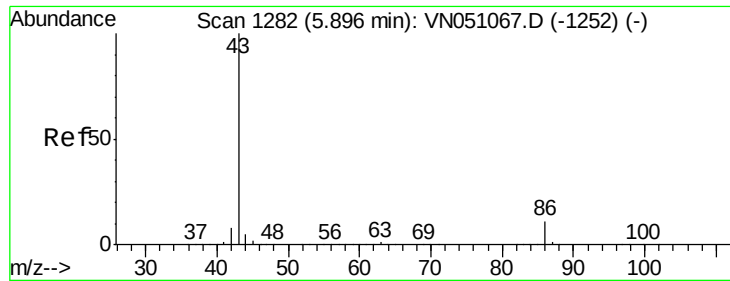
Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Tgt Ion:	45	Resp:	1173263
Ion	Ratio	Lower	Upper
45	100		
43	58.1	48.8	73.2
87	29.7	23.8	35.8
59	12.5	9.6	14.4





#23

Vinyl Acetate

Concen: 254.37 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091018

Tot Ion: 43 Resp: 3985492

Ion Ratio Lower Upper

43 100

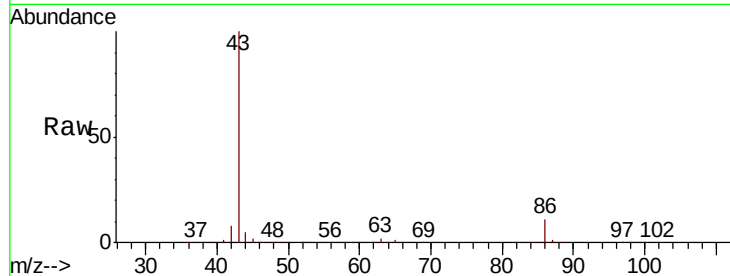
86 11.3 9.2 13.8

Manual Integrations

APPROVED

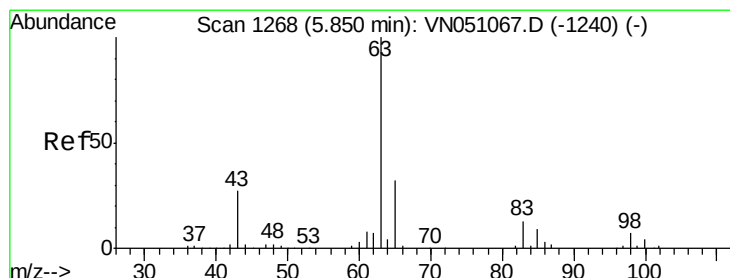
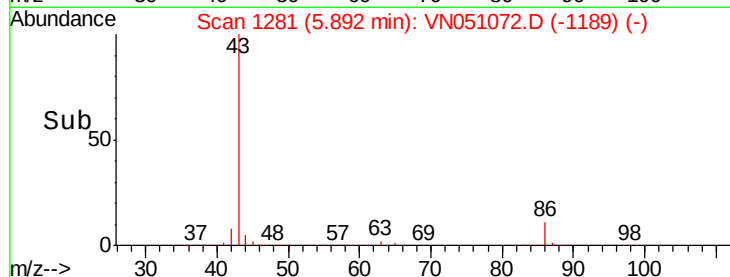
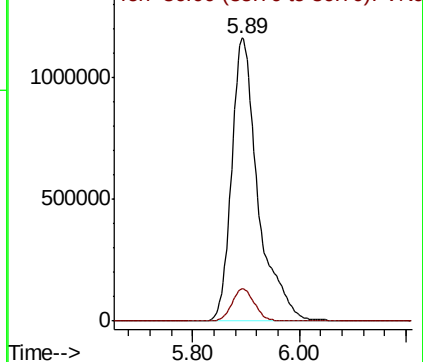
MMDadoda

9/11/2018 9:40:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.13 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

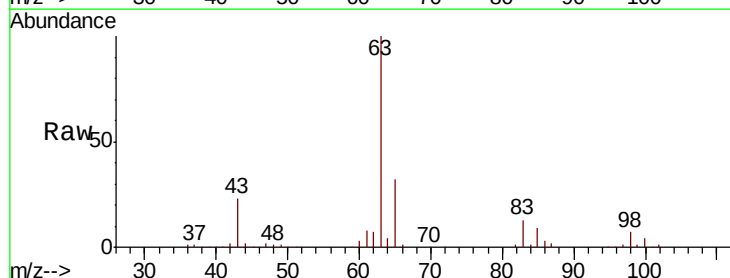
Tgt Ion: 63 Resp: 707045

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

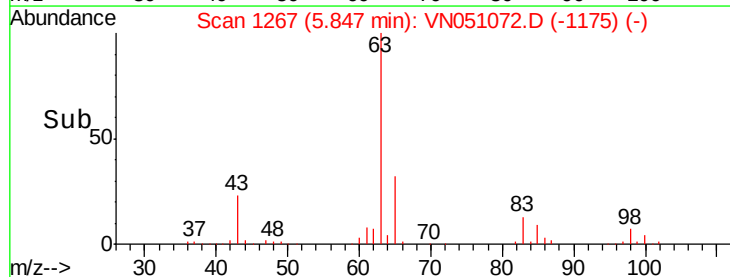
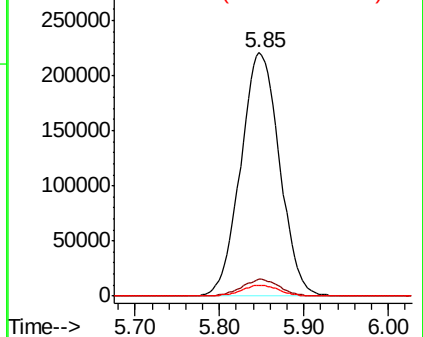
100 4.5 2.1 6.3

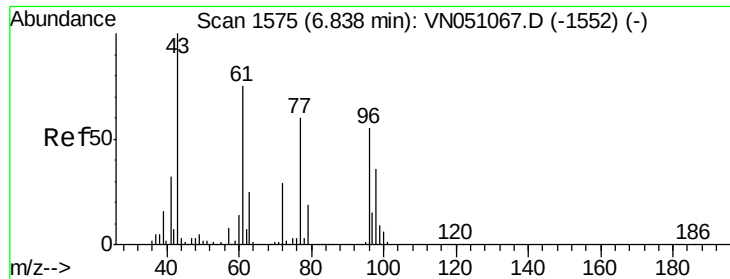


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 224.95 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091018

Tot Ion: 43 Resp: 706371

Ion Ratio Lower Upper

43 100

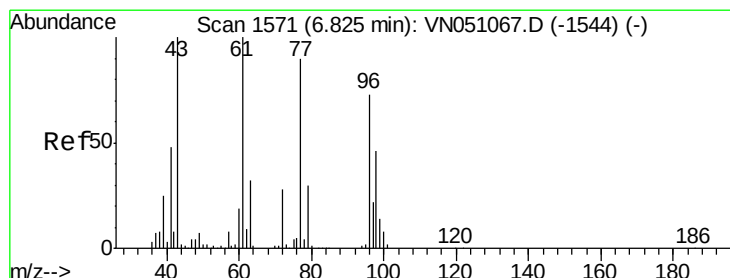
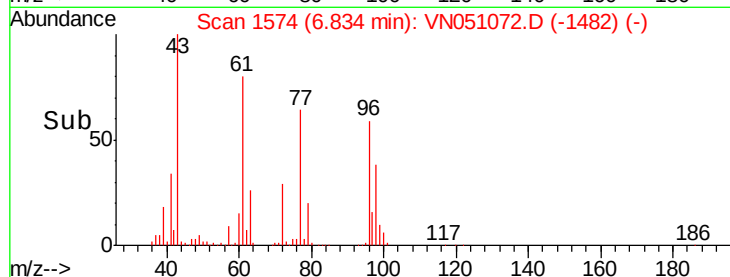
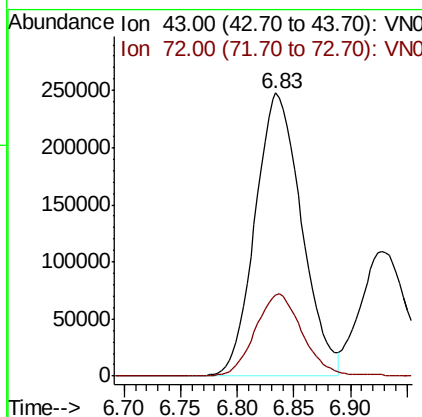
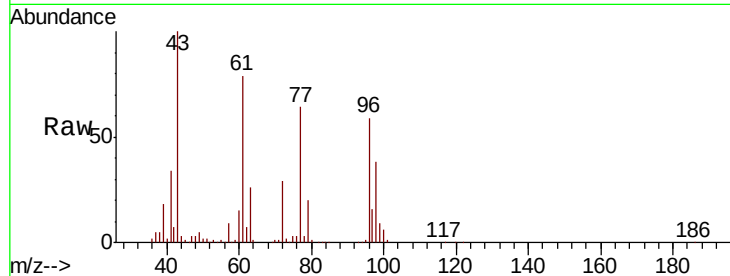
72 28.9 23.0 34.6

Manual Integrations

APPROVED

MMDadoda

9/11/2018 9:40:42 AM



#26

2,2-Dichloropropane

Concen: 47.05 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051072.D

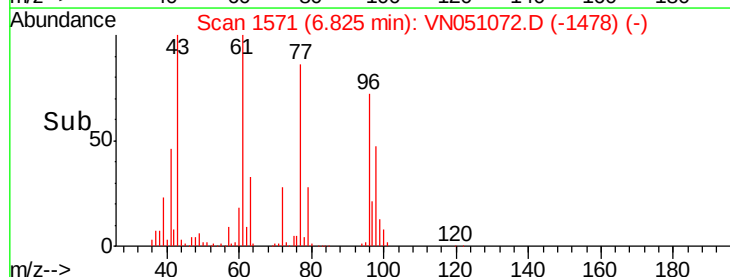
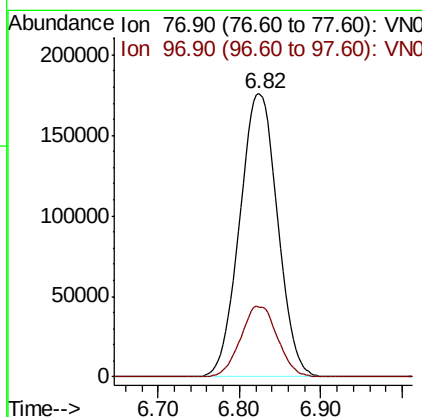
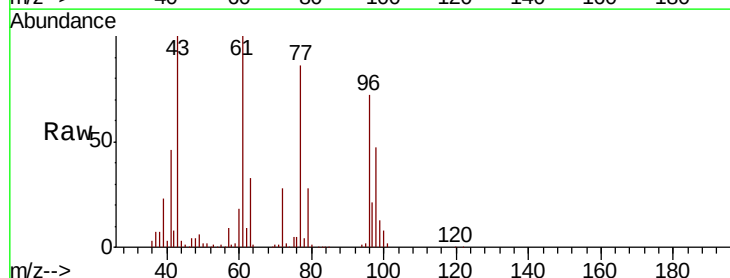
Acq: 10 Sep 2018 12:29

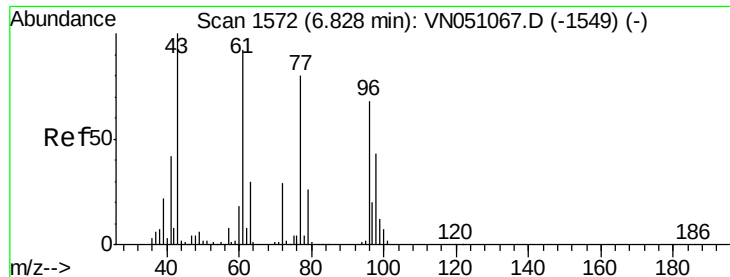
Tgt Ion: 77 Resp: 565631

Ion Ratio Lower Upper

77 100

97 24.4 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 48.32 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

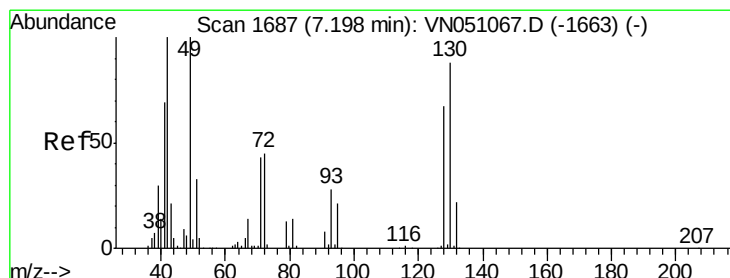
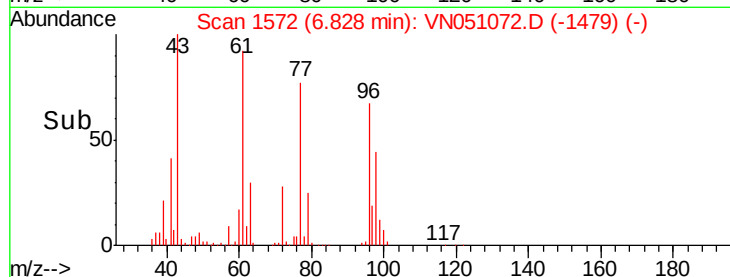
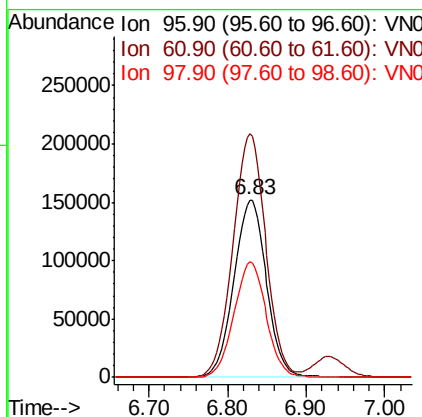
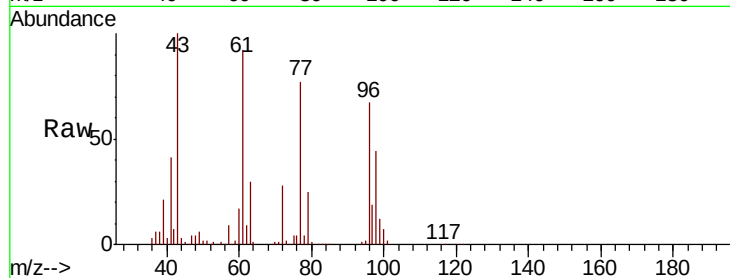
ClientSampled :

ICVVN091018

Tot Ion:	96	Resp:	440150
Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	278.2
98	64.7	0.0	129.4

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:40:42 AM



#28

Bromochloromethane

Concen: 48.93 ug/l

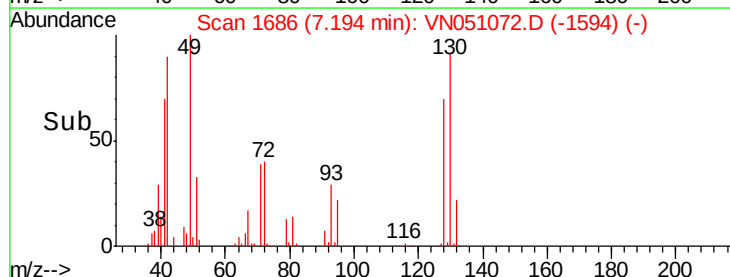
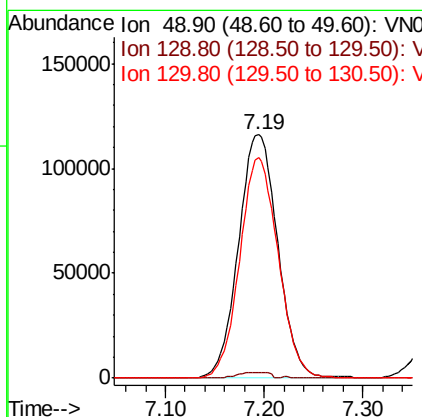
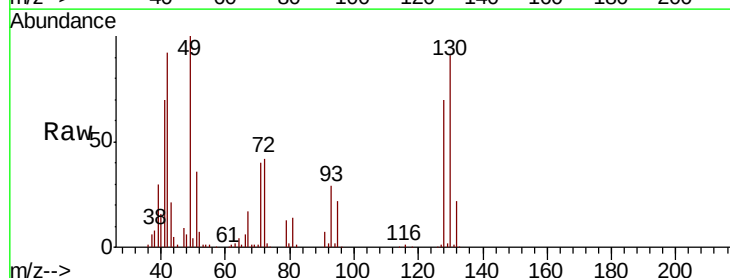
RT: 7.19 min Scan# 1686

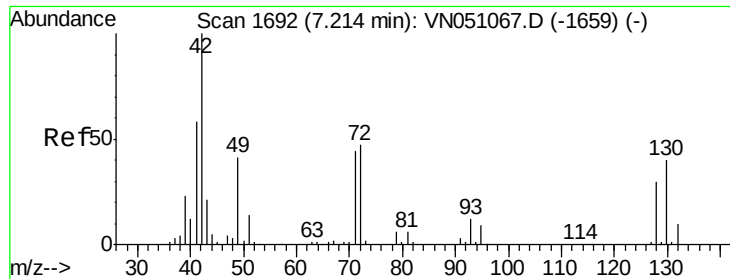
Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Tgt Ion:	49	Resp:	319938
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.4
130	88.8	70.7	106.1





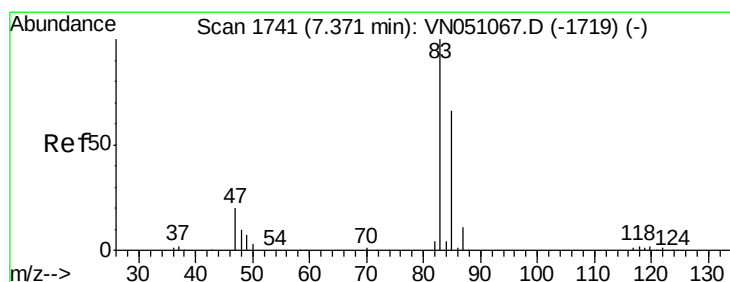
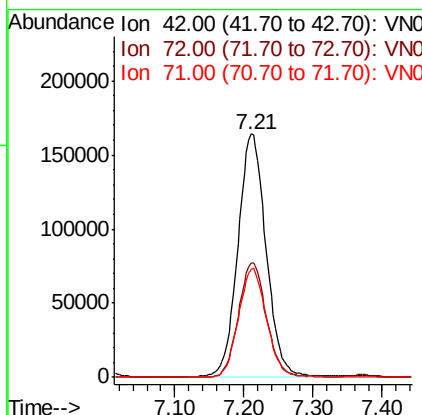
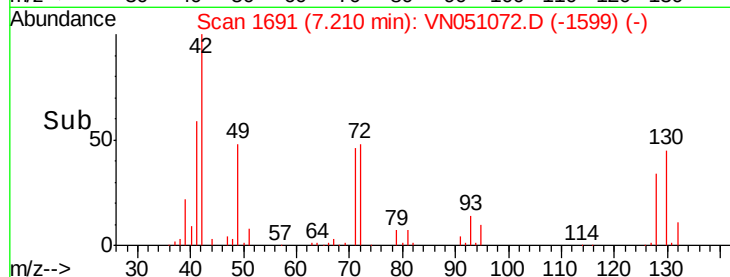
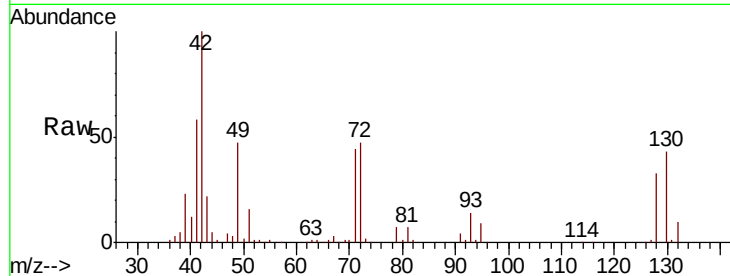
#29
Tetrahydrofuran
Concen: 237.68 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.0
71	44.3	34.7	52.1

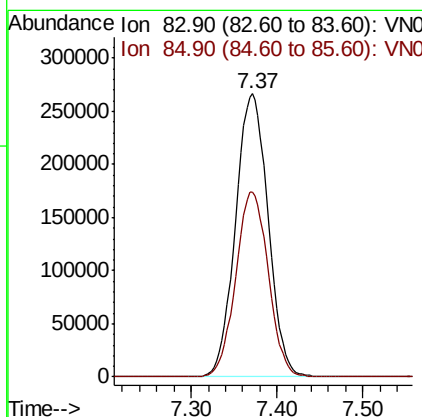
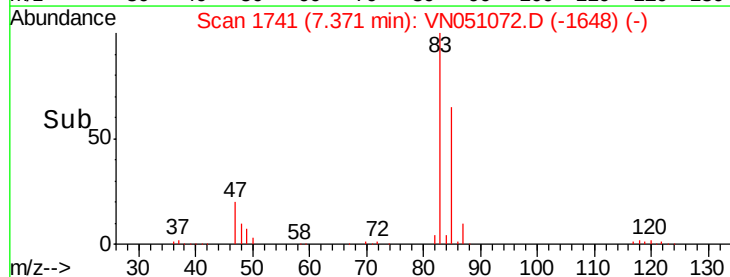
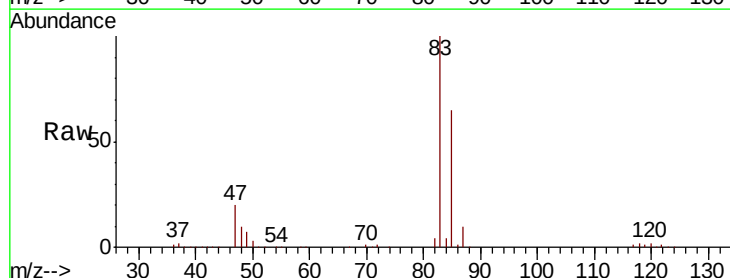
Manual Integrations
APPROVED

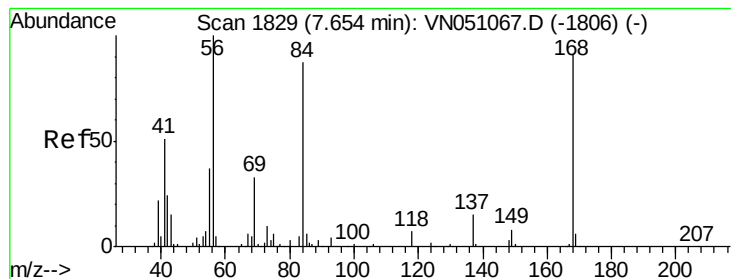
MMDadoda
9/11/2018 9:40:42 AM



#30
Chloroform
Concen: 48.04 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.6	79.0





#31

Cyclohexane

Concen: 49.16 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

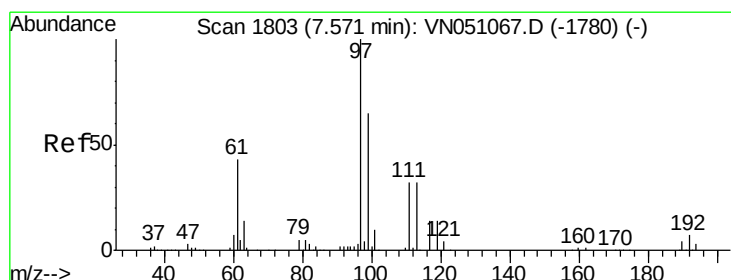
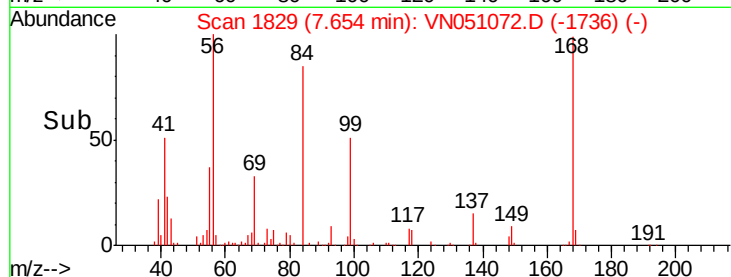
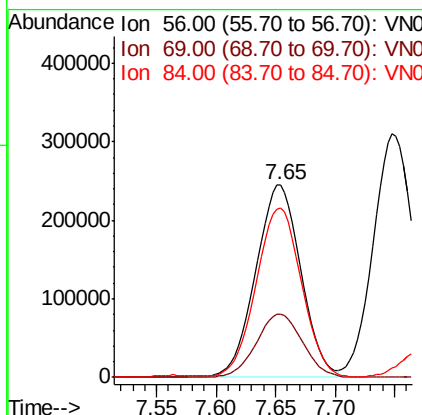
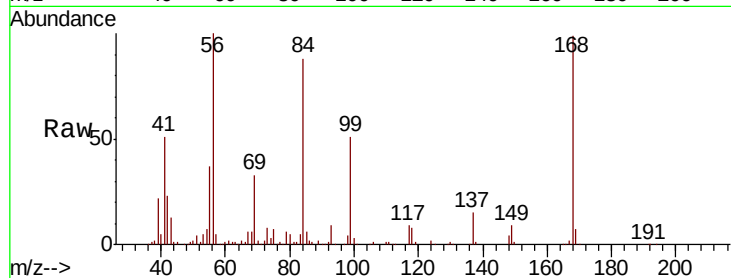
ClientSampled :

ICVVN091018

Tot Ion:	56	Resp:	643903
Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.3	39.5
84	87.0	69.4	104.0

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:40:42 AM



#32

1,1,1-Trichloroethane

Concen: 48.10 ug/l

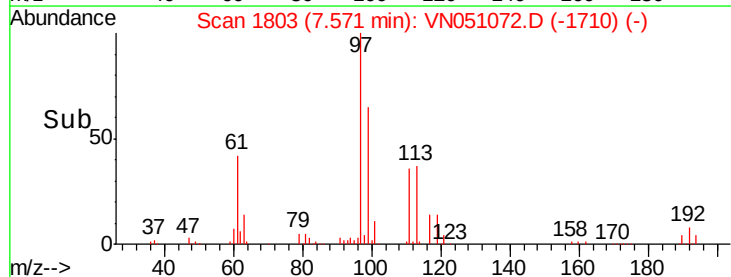
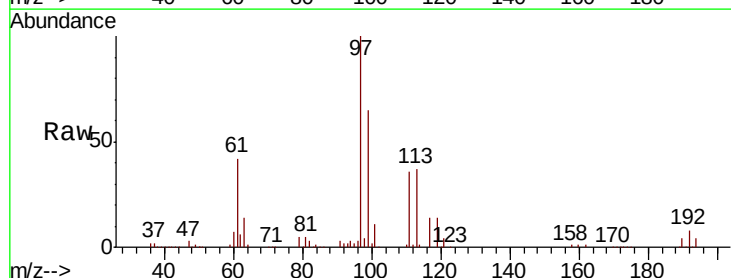
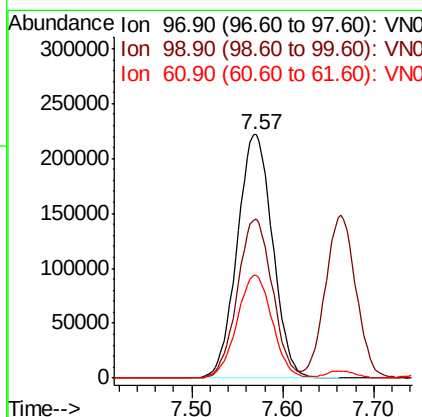
RT: 7.57 min Scan# 1803

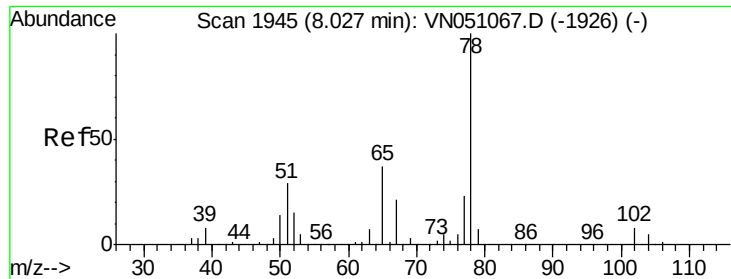
Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Tgt Ion:	97	Resp:	598868
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	42.1	33.8	50.6





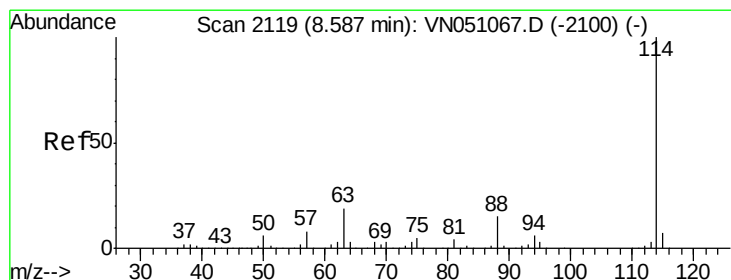
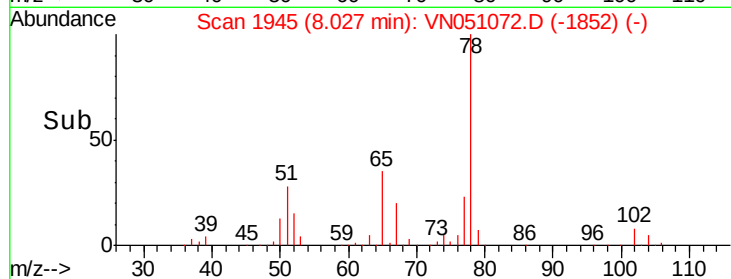
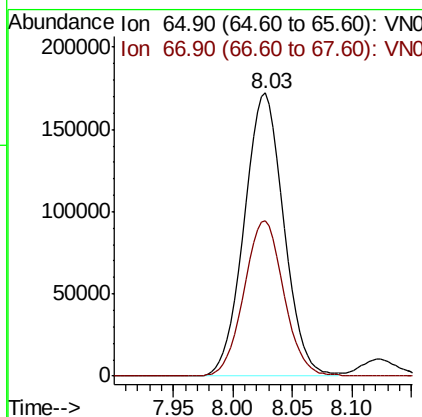
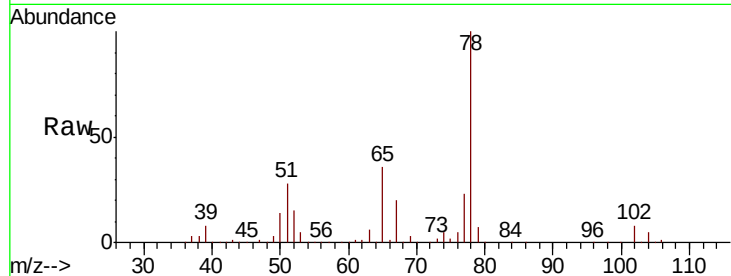
#33
 1,2-Dichloroethane-d4
 Concen: 49.74 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091018

Tot Ion	Ratio	Resp	Lower	Upper
65	100	397287		
67	55.1	0.0	112.0	

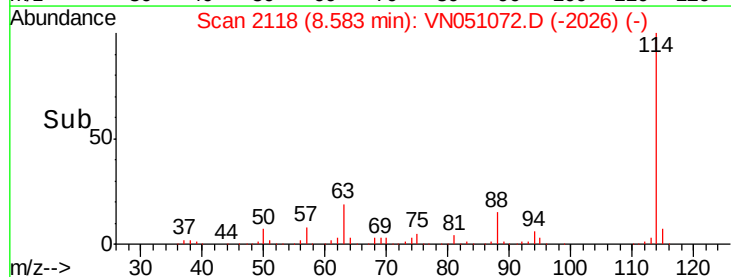
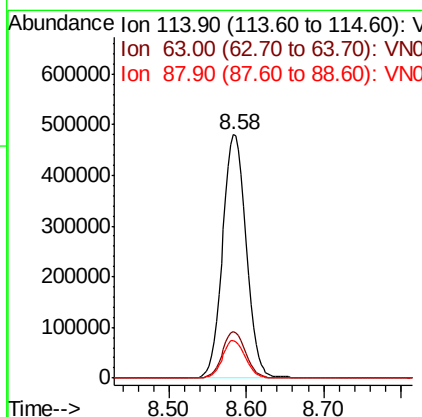
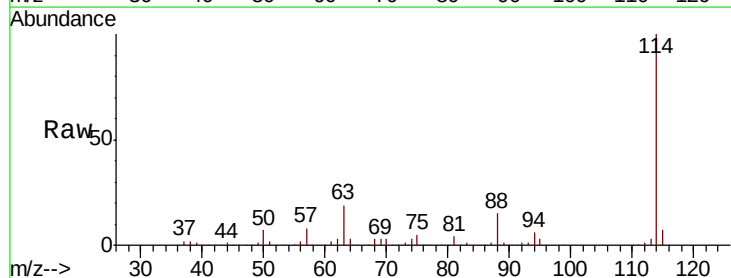
Manual Integrations
 APPROVED

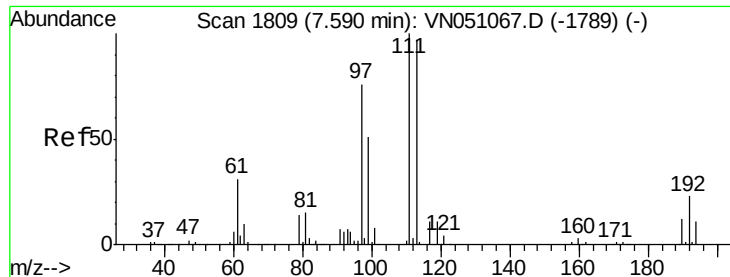
MMDadoda
 9/11/2018 9:40:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1018866		
63	19.0	0.0	37.8	
88	15.4	0.0	30.8	





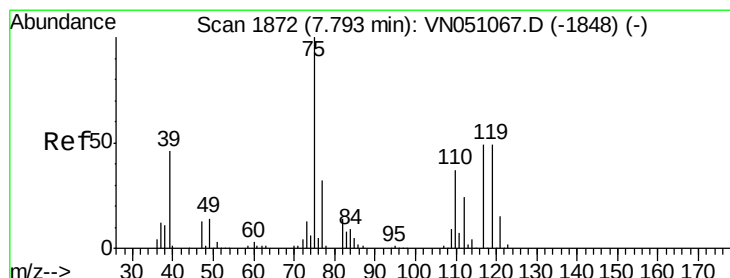
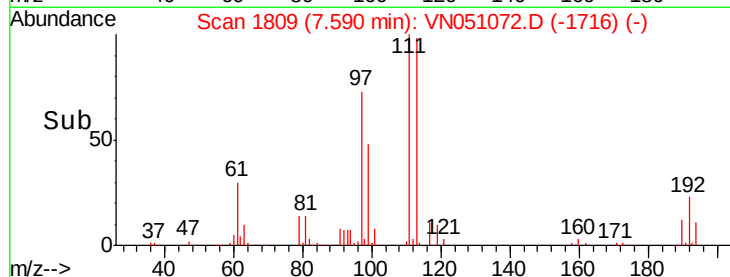
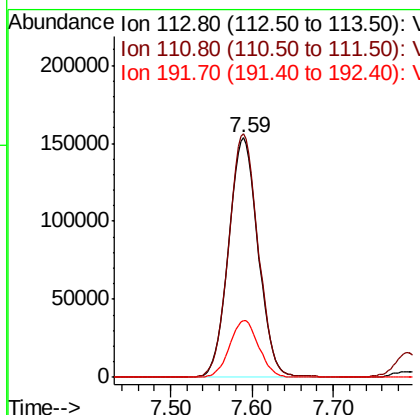
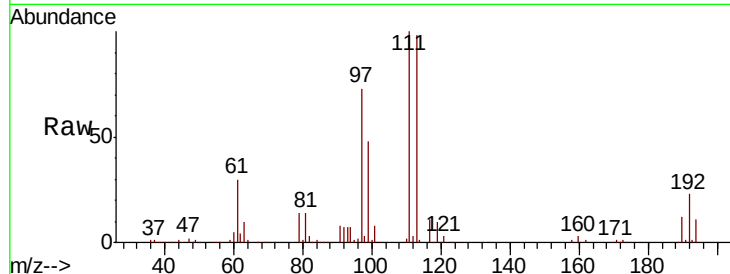
#35
 Dibromofluoromethane
 Concen: 50.74 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091018

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.8	83.0	124.6	
192	23.3	18.7	28.1	

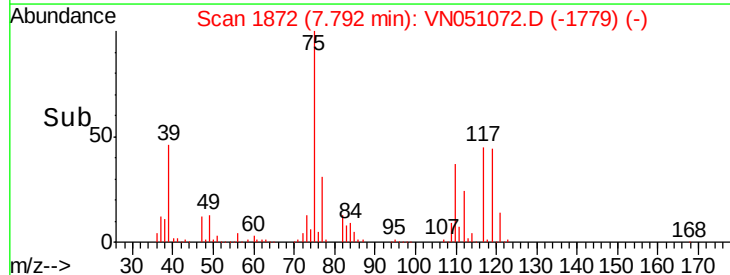
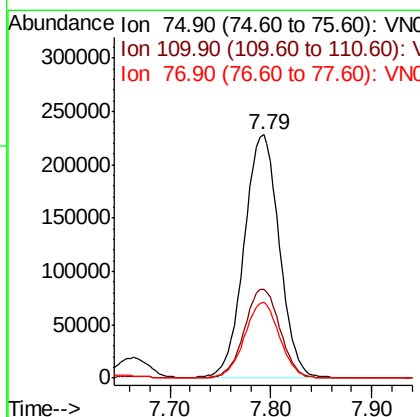
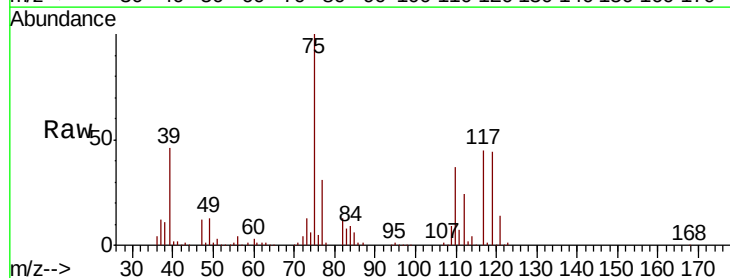
Manual Integrations
 APPROVED

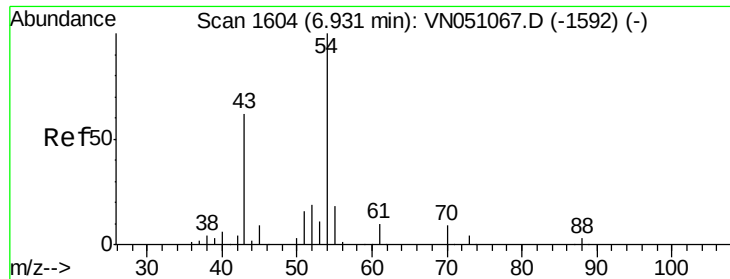
MMDadoda
 9/11/2018 9:40:42 AM



#36
 1,1-Dichloropropene
 Concen: 49.00 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.2	18.6	55.8	
77	31.4	25.2	37.8	





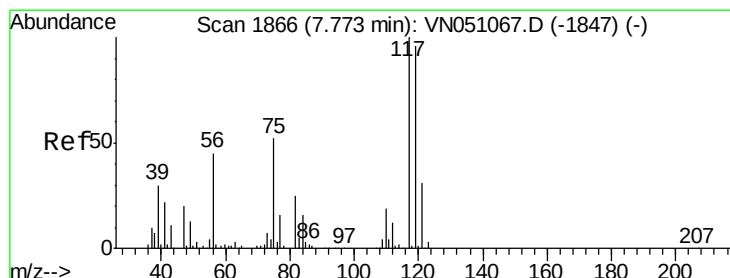
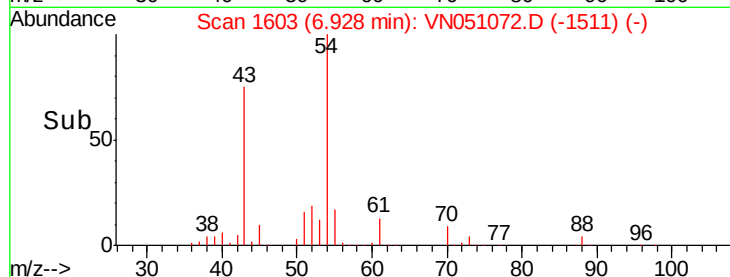
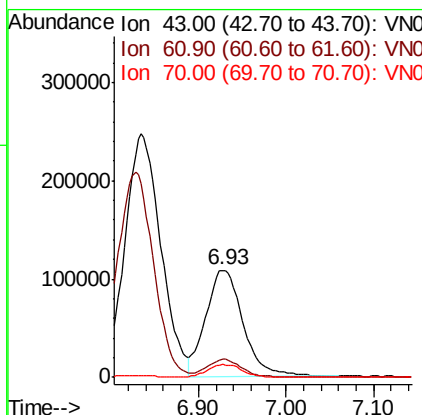
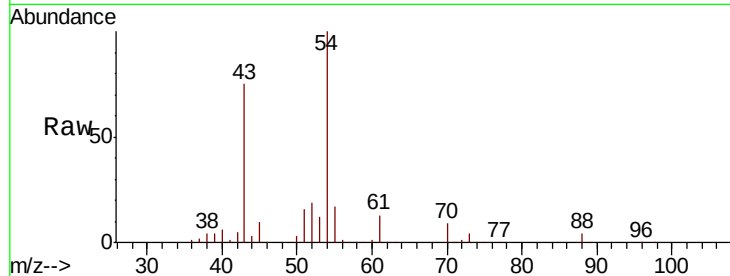
#37
Ethyl Acetate
Concen: 49.57 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.4	18.6
70	10.9	9.3	13.9

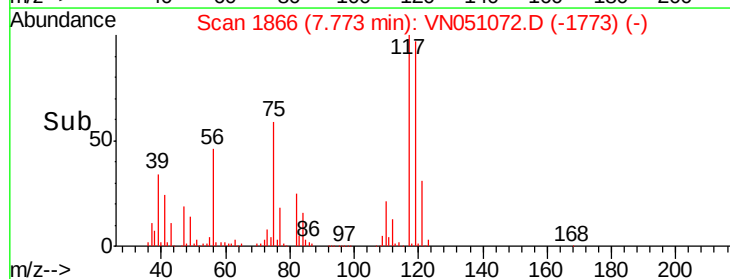
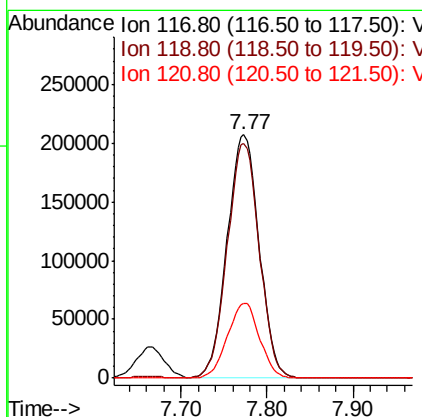
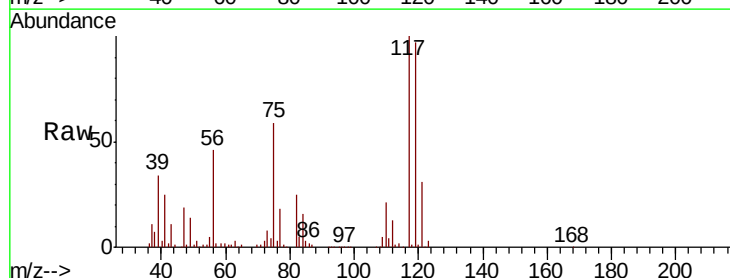
Manual Integrations
APPROVED

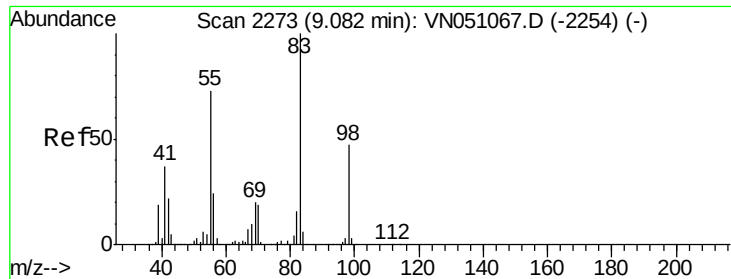
MMDadoda
9/11/2018 9:40:42 AM



#38
Carbon Tetrachloride
Concen: 48.69 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.8	115.2
121	30.8	24.6	36.8





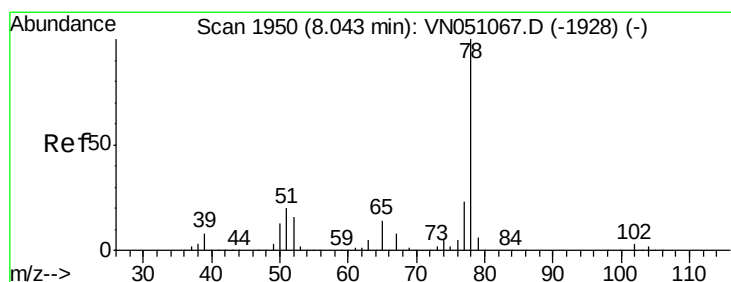
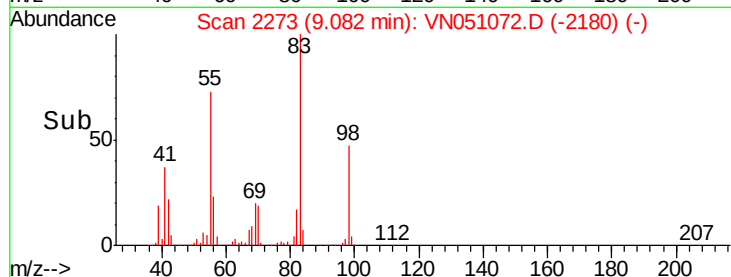
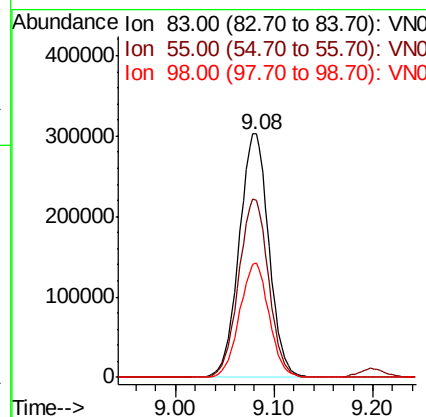
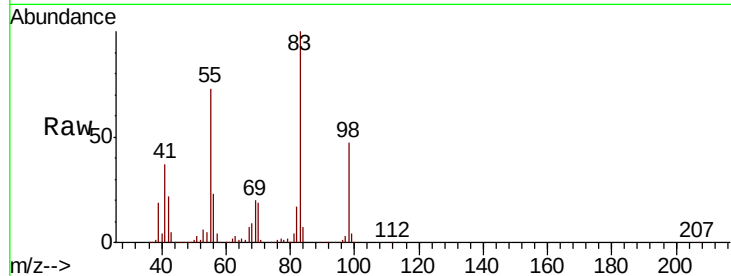
#39
Methylvlcyclohexane
Concen: 51.16 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.7	58.4	87.6
98	47.2	37.3	55.9

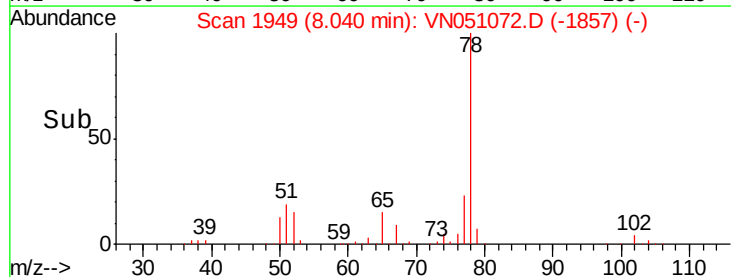
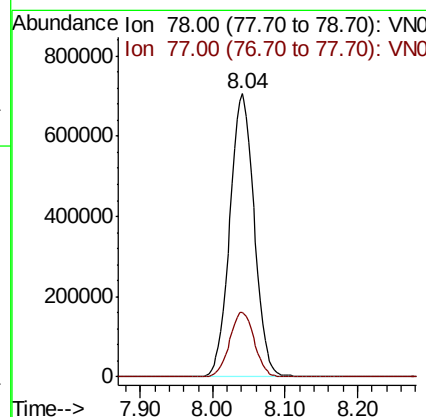
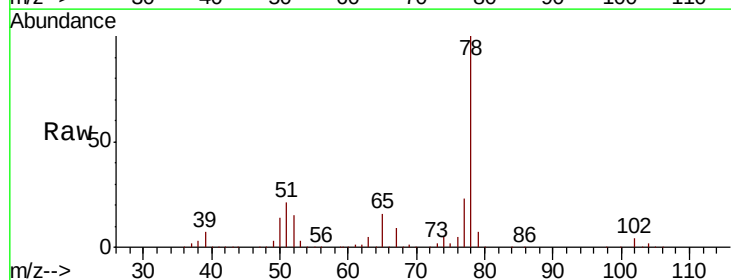
Manual Integrations
APPROVED

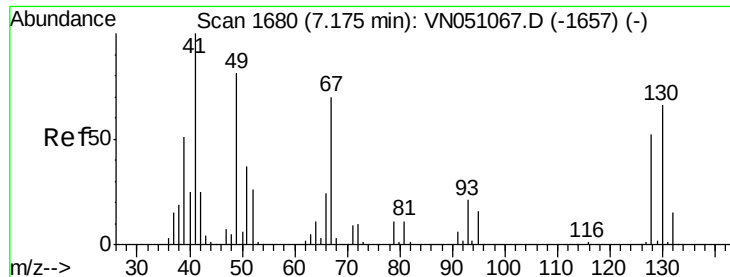
MMDadoda
9/11/2018 9:40:42 AM



#40
Benzene
Concen: 48.93 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	27.8





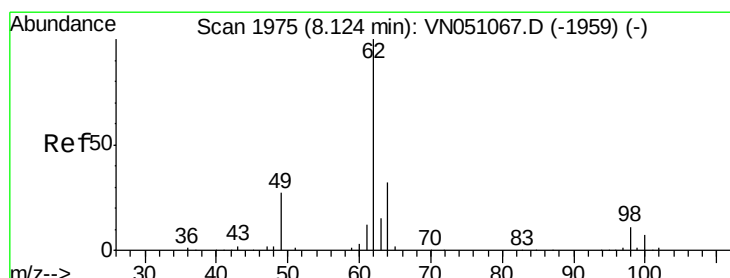
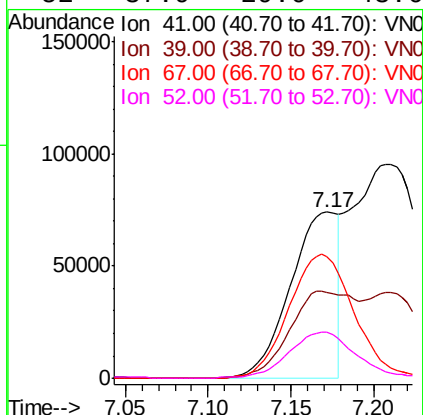
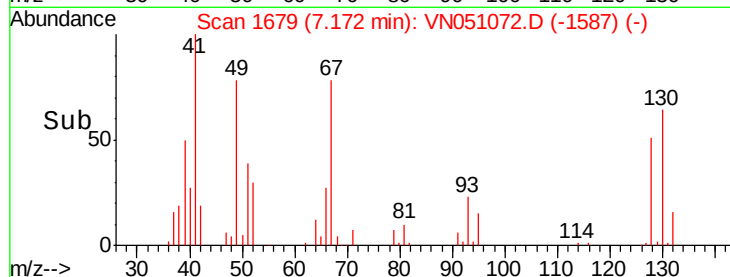
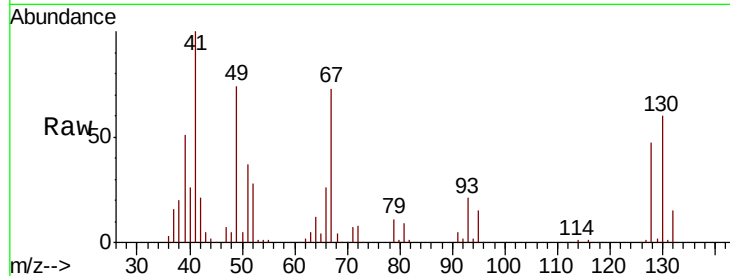
#41
Methacrylonitrile
Concen: 44.29 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.5	51.3	76.9
67	102.7	78.5	117.7
52	37.9	29.0	43.6

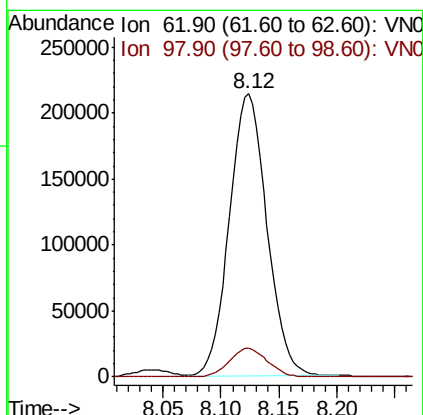
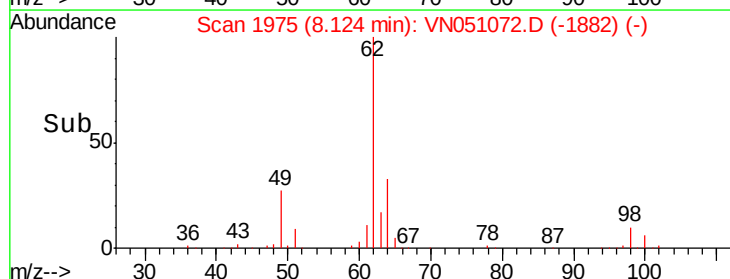
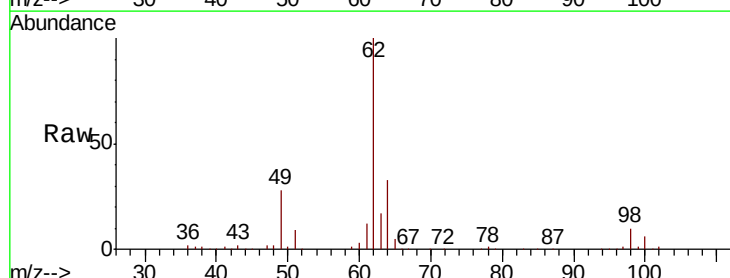
Manual Integrations
APPROVED

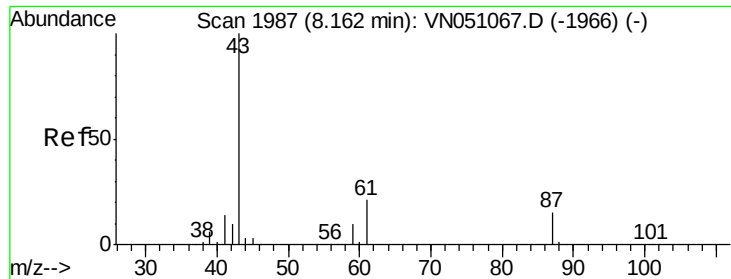
MMDadoda
9/11/2018 9:40:42 AM



#42
1,2-Dichloroethane
Concen: 49.13 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 48.83 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

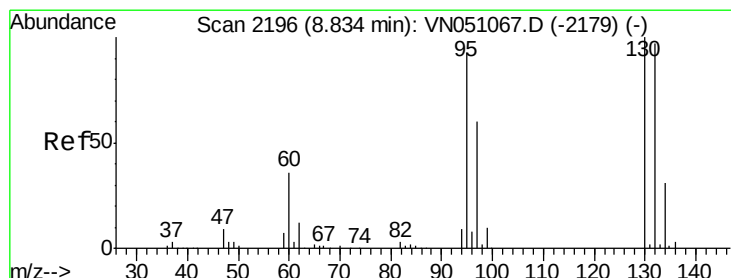
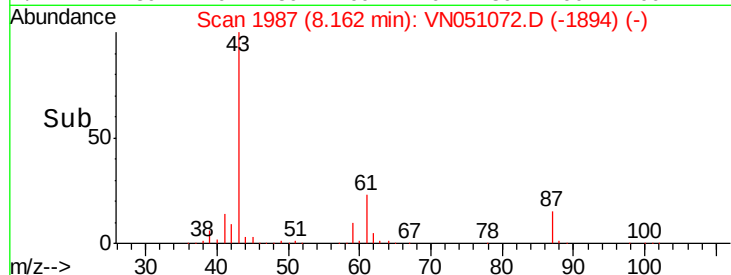
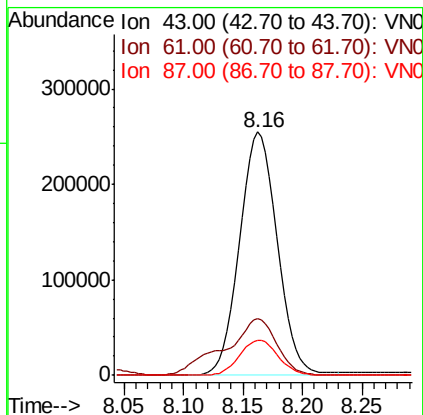
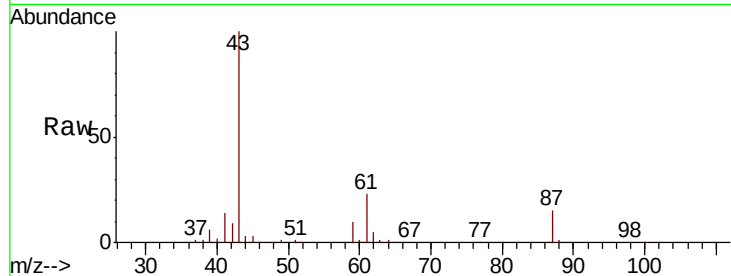
ClientSampleId :

ICVVN091018

Tot Ion:	43	Resp:	558142
Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.0	37.6
87	15.0	11.8	17.8

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:40:42 AM



#44

Trichloroethene

Concen: 48.41 ug/l

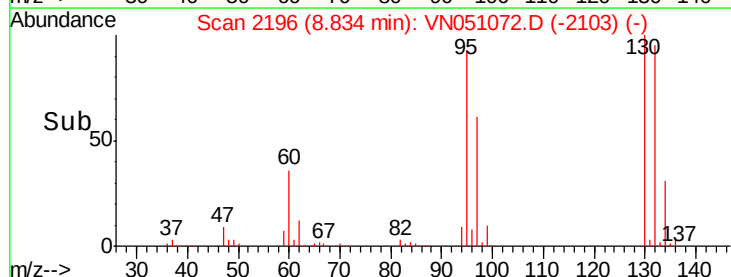
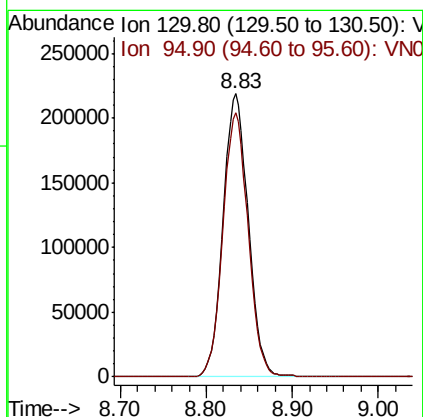
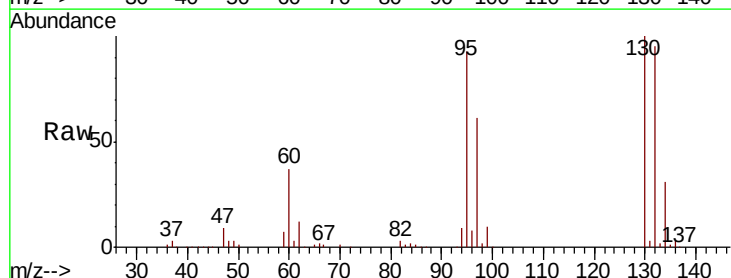
RT: 8.83 min Scan# 2196

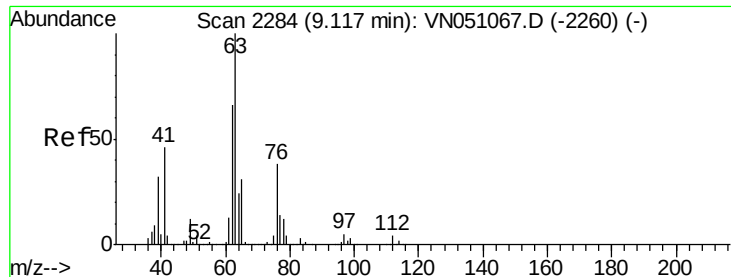
Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Tgt Ion:	130	Resp:	446322
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	186.2





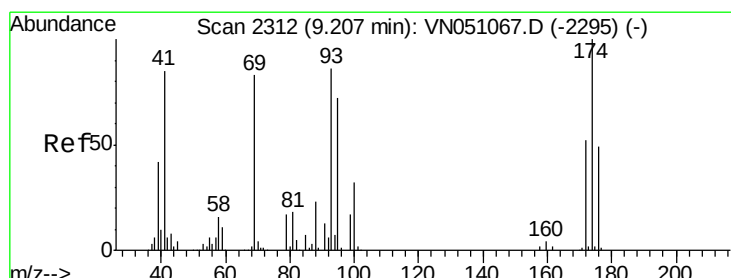
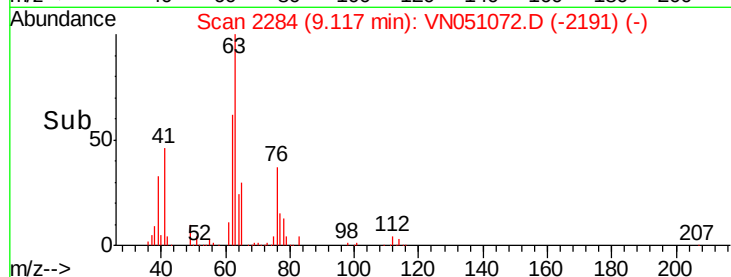
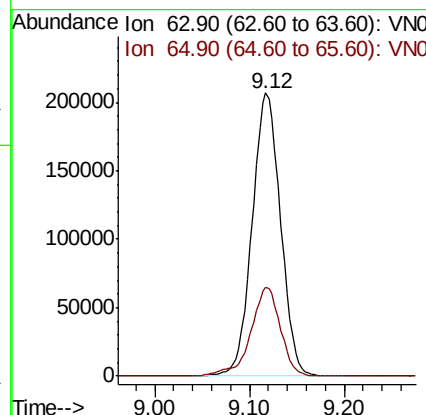
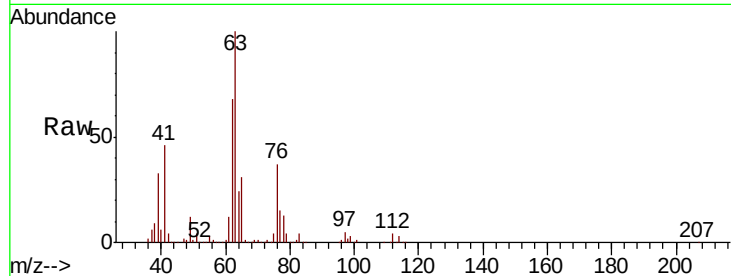
#45
 1,2-Dichloropropane
 Concen: 49.55 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091018

Tot Ion: 63 Resp: 431592
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1

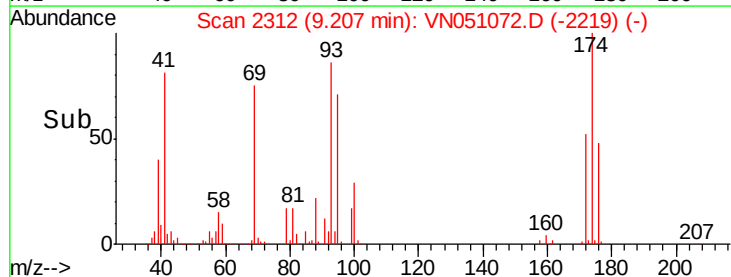
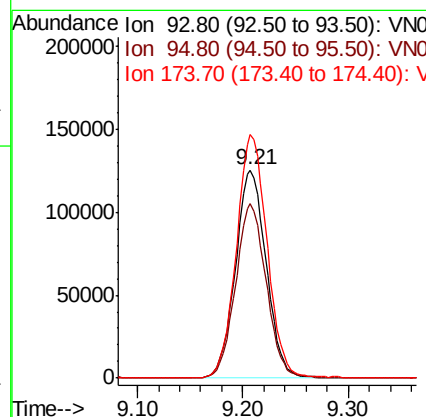
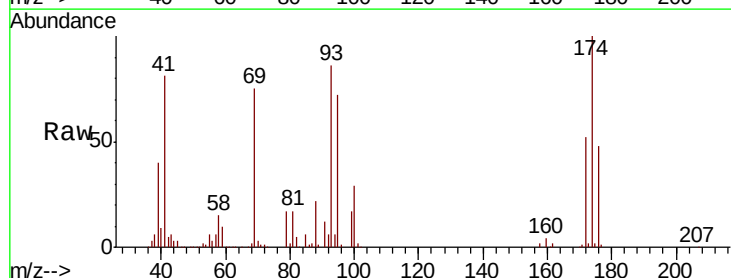
Manual Integrations
 APPROVED

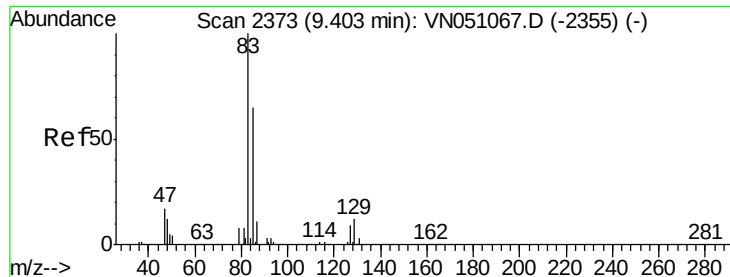
MMDadoda
 9/11/2018 9:40:42 AM



#46
 Dibromomethane
 Concen: 47.87 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Tgt Ion: 93 Resp: 254369
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.8 100.2
 174 116.6 93.3 139.9





#47

Bromodichloromethane

Concen: 49.98 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

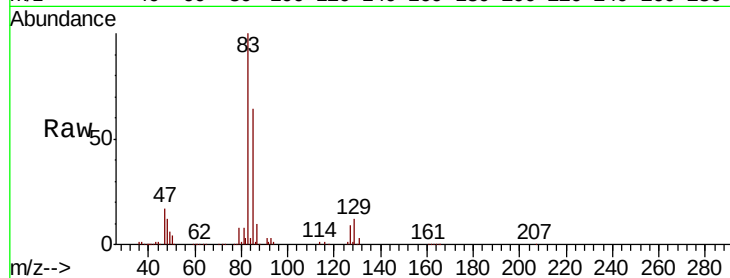
ClientSampleId :

ICVVN091018

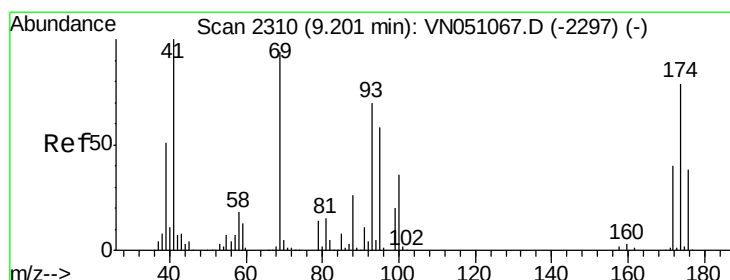
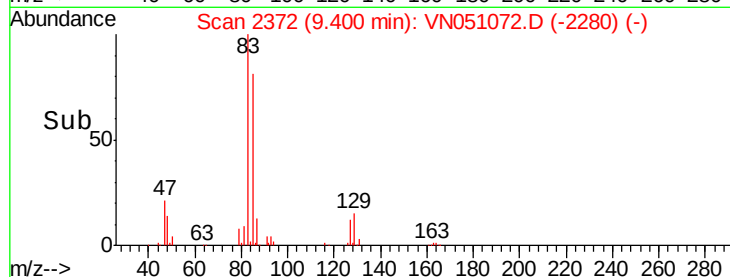
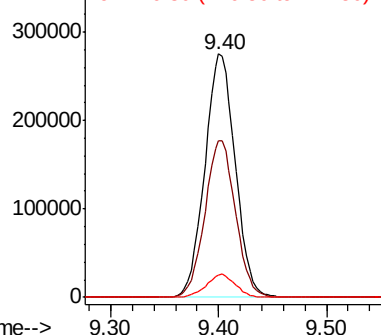
Tot Ion:	83	Resp:	540077
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.3	78.5
127	9.2	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:40:42 AM



Abundance Ion 82.90 (82.60 to 83.60): VN051072.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.03 ug/l

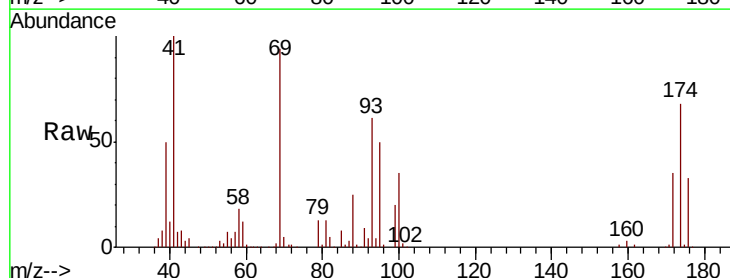
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

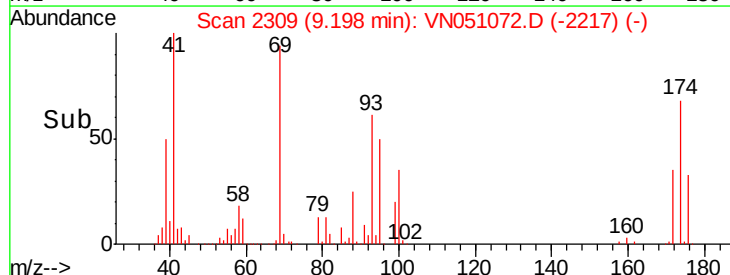
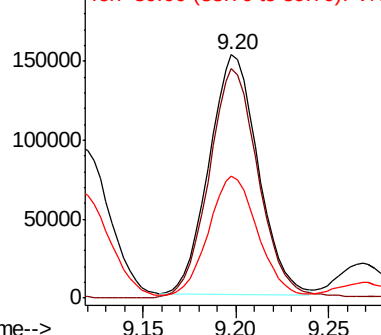
Lab File: VN051072.D

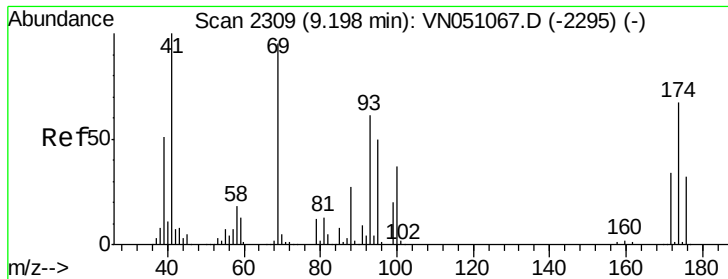
Acq: 10 Sep 2018 12:29

Tgt Ion:	41	Resp:	278725
Ion	Ratio	Lower	Upper
41	100		
69	97.6	77.7	116.5
39	51.7	41.6	62.4



Abundance Ion 41.00 (40.70 to 41.70): VN051072.D (-2217) (-)





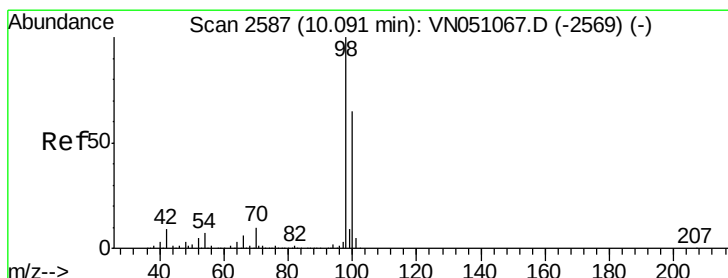
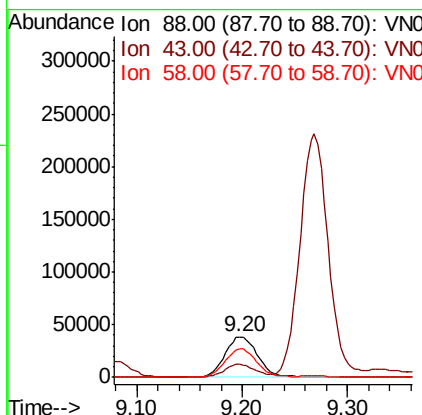
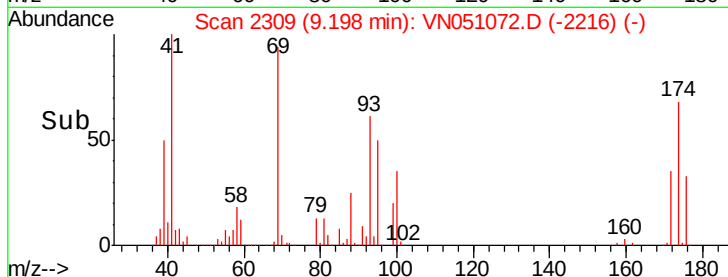
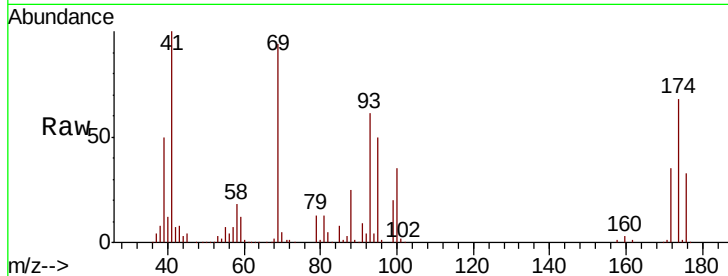
#49
1,4-Dioxane
Concen: 950.39 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion	88	Resp	83023
Ion	Ratio	Lower	Upper
88	100		
43	28.8	23.7	35.5
58	68.8	54.6	82.0

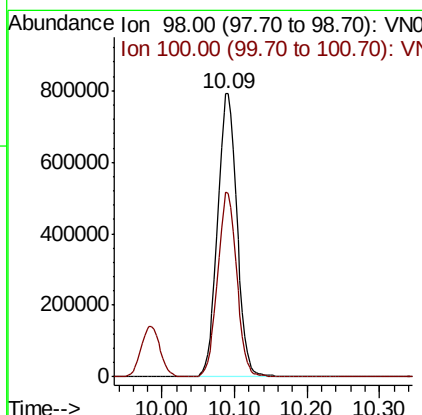
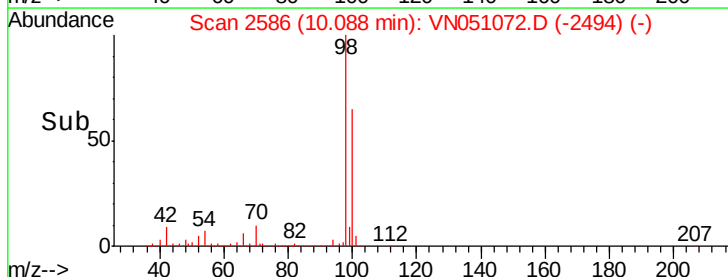
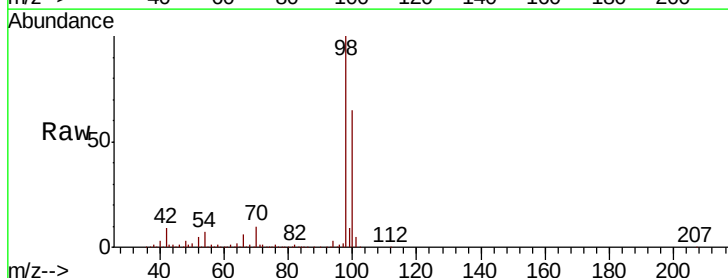
Manual Integrations
APPROVED

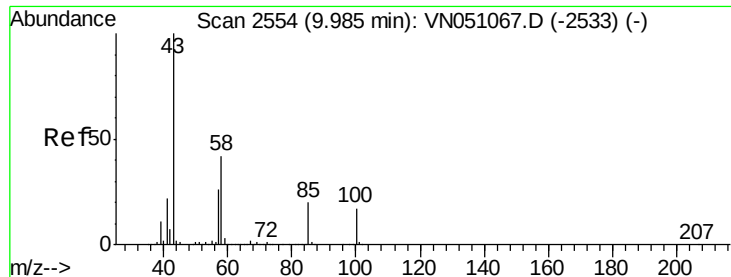
MMDadoda
9/11/2018 9:40:42 AM



#50
Toluene-d8
Concen: 50.57 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion	98	Resp	1469208
Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0





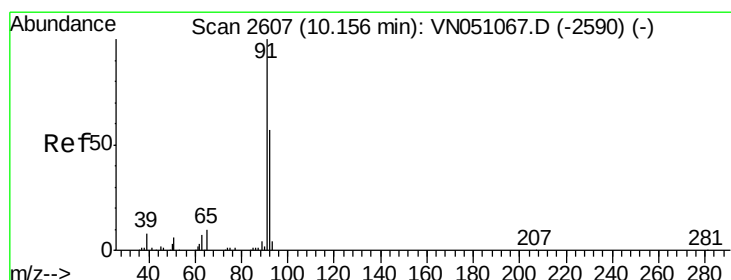
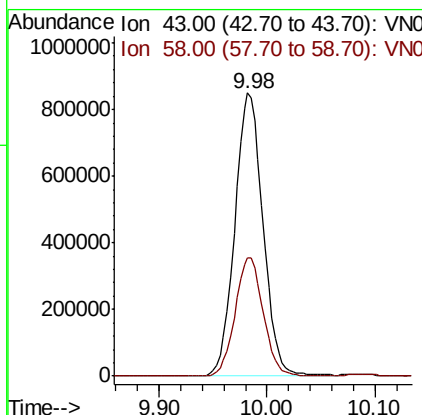
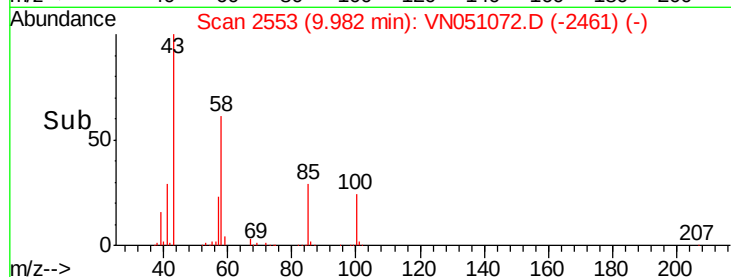
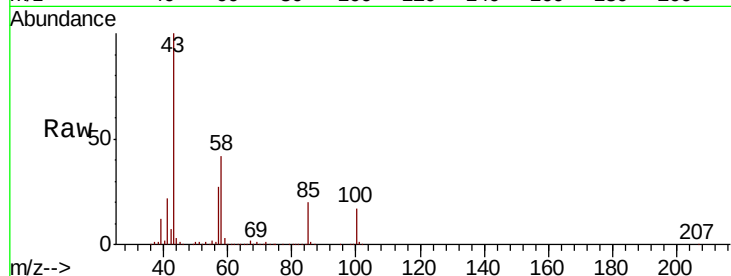
#51
4-Methyl-2-Pentanone
Concen: 244.36 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion: 43 Resp: 1544725
Ion Ratio Lower Upper
43 100
58 41.9 33.5 50.3

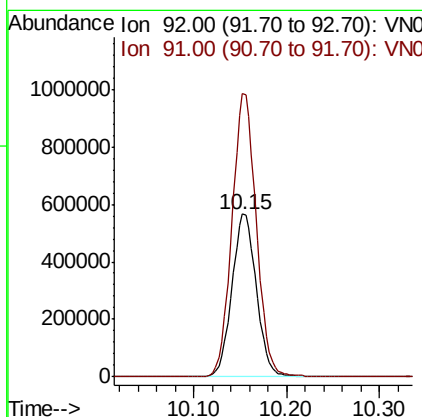
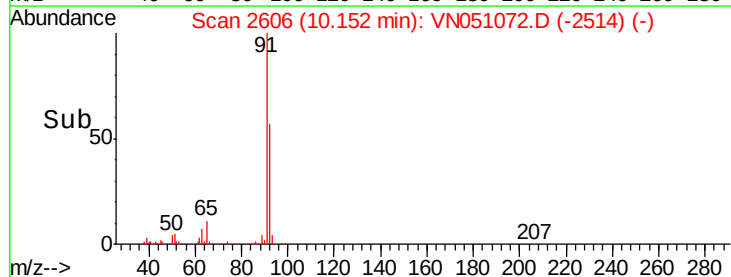
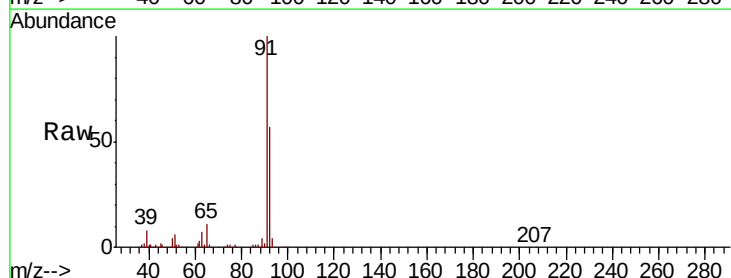
Manual Integrations
APPROVED

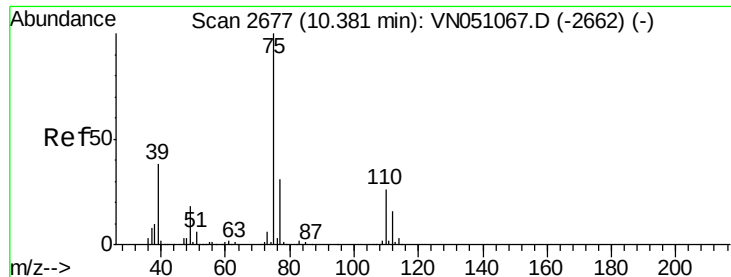
MMDadoda
9/11/2018 9:40:42 AM



#52
Toluene
Concen: 50.25 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion: 92 Resp: 1032861
Ion Ratio Lower Upper
92 100
91 173.8 139.5 209.3





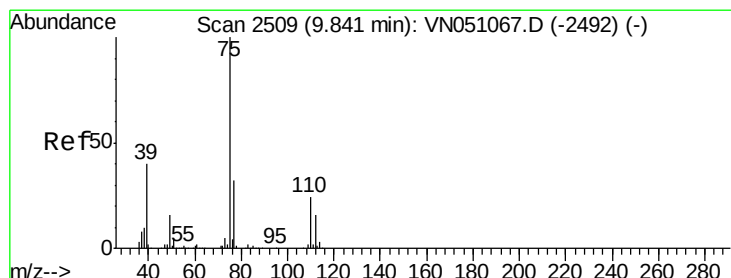
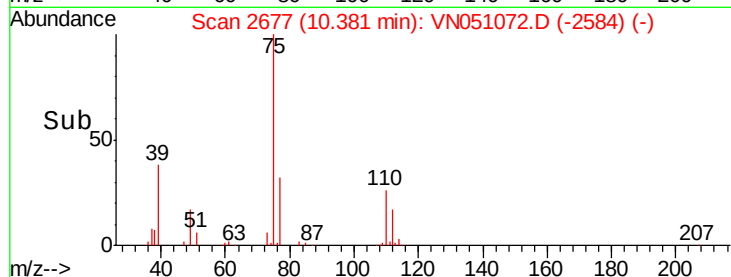
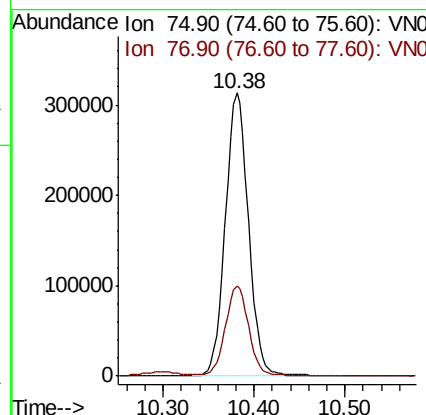
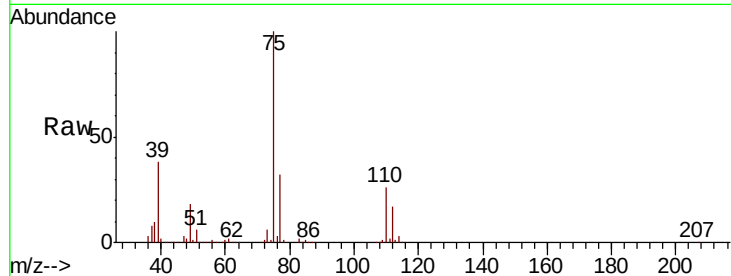
#53
t-1,3-Dichloropropene
Concen: 51.28 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9

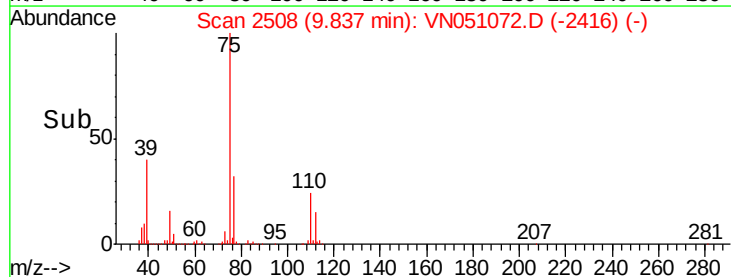
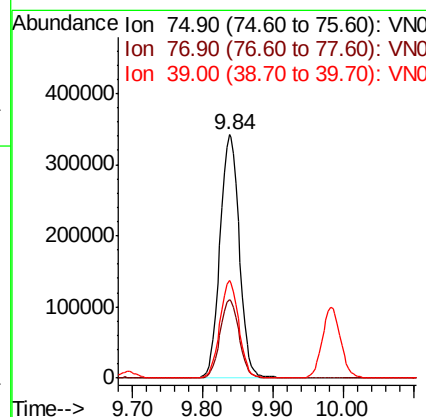
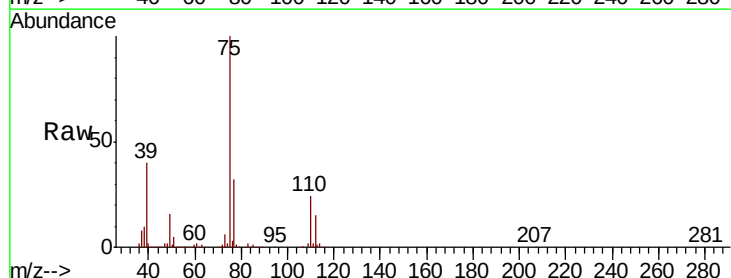
Manual Integrations
APPROVED

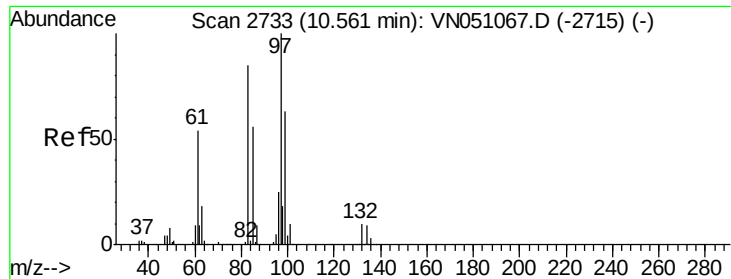
MMDadoda
9/11/2018 9:40:42 AM



#54
cis-1,3-Dichloropropene
Concen: 51.40 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.7	38.5
39	40.1	31.9	47.9





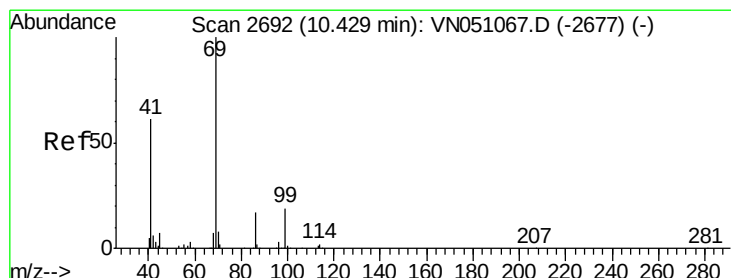
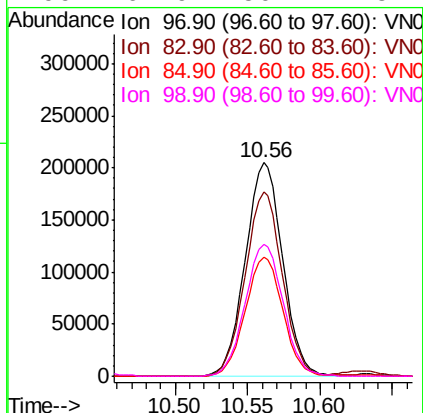
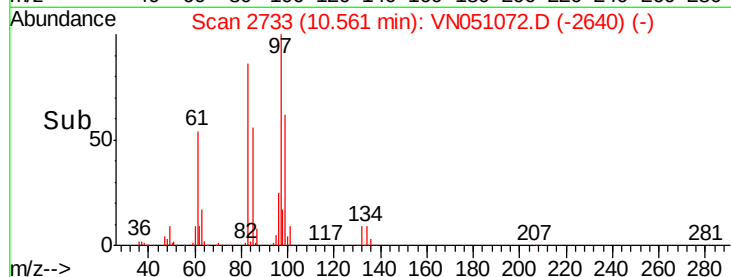
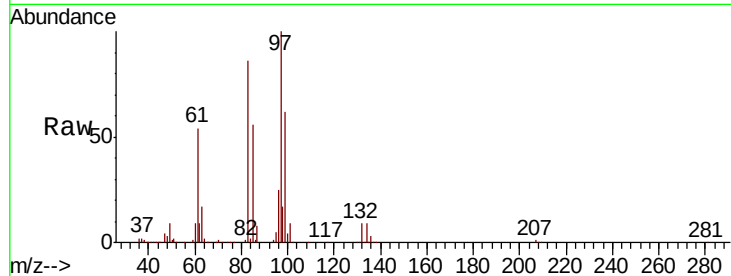
#55
 1,1,2-Trichloroethane
 Concen: 49.34 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091018

Tot Ion:	97	Resp:	368390
Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.2	102.2
85	55.7	44.8	67.2
99	61.9	50.2	75.4

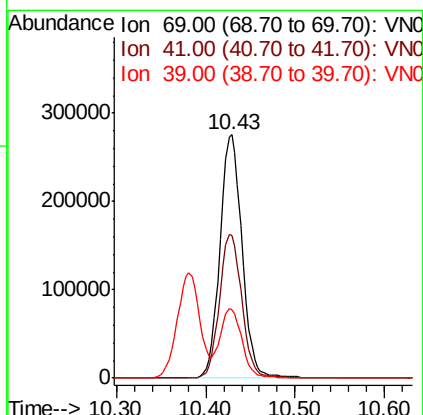
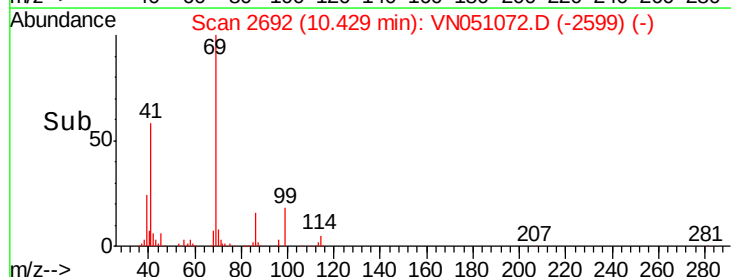
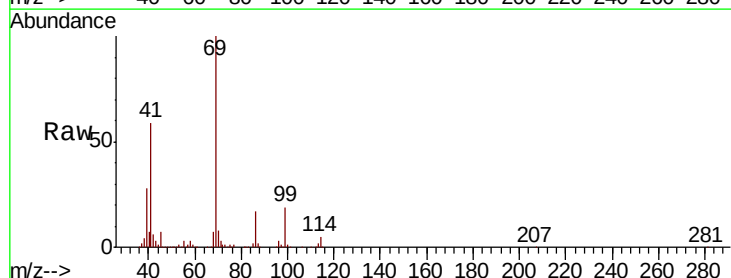
Manual Integrations
 APPROVED

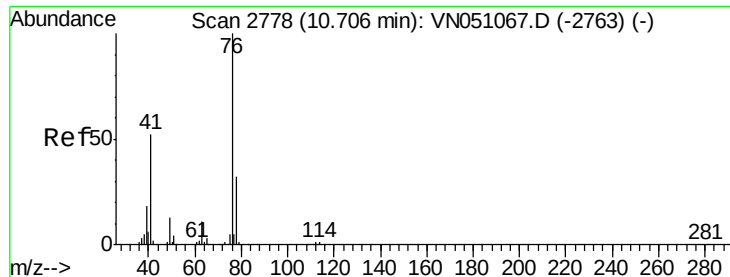
MMDadoda
 9/11/2018 9:40:42 AM



#56
 Ethyl methacrylate
 Concen: 47.37 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Tgt Ion:	69	Resp:	473299
Ion	Ratio	Lower	Upper
69	100		
41	58.9	47.8	71.8
39	28.3	23.0	34.4





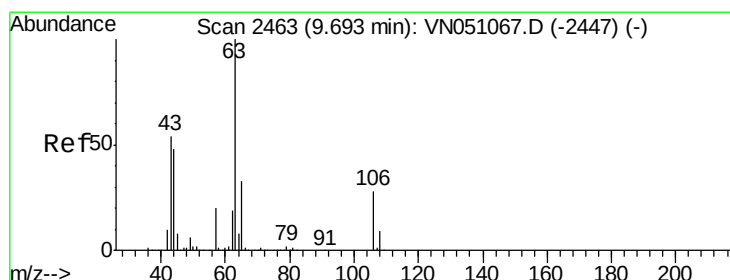
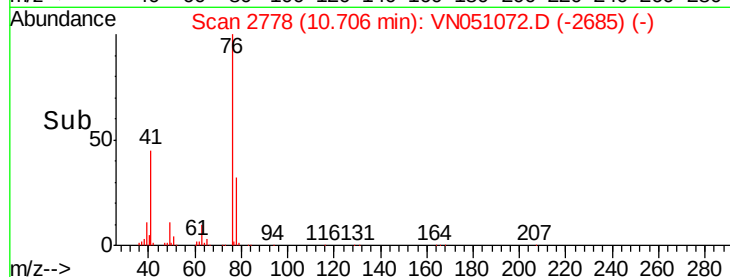
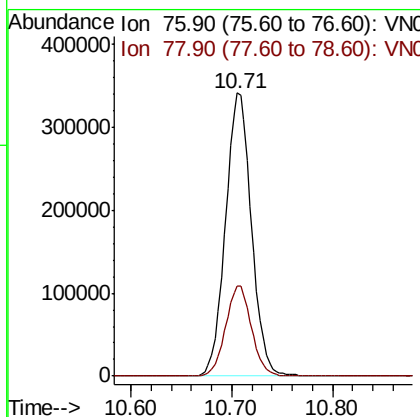
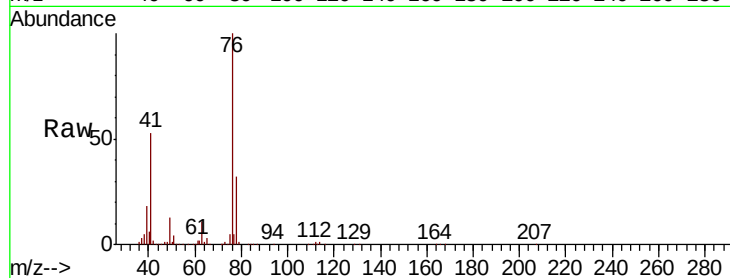
#57
 1,3-Dichloropropane
 Concen: 49.50 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091018

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.1	39.1

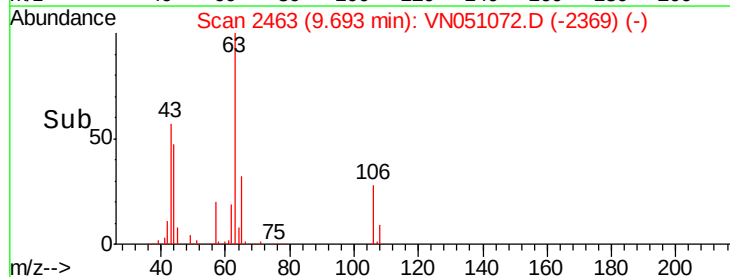
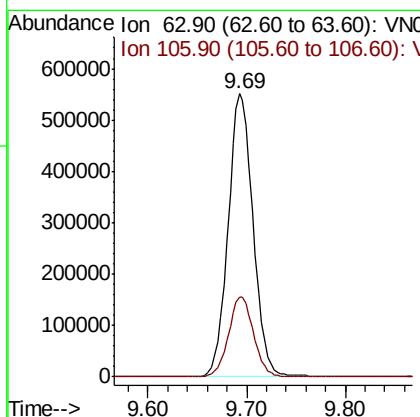
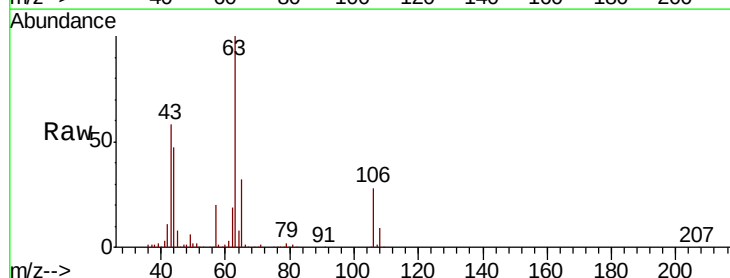
Manual Integrations
 APPROVED

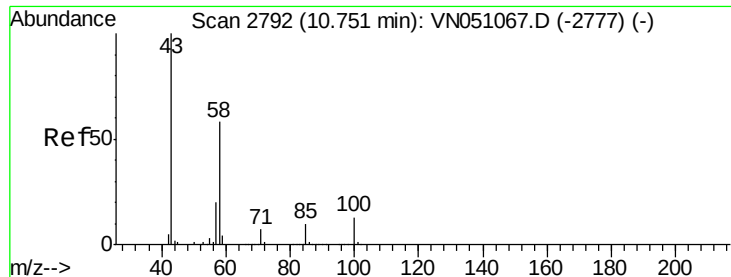
MMDadoda
 9/11/2018 9:40:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.58 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.5	33.7





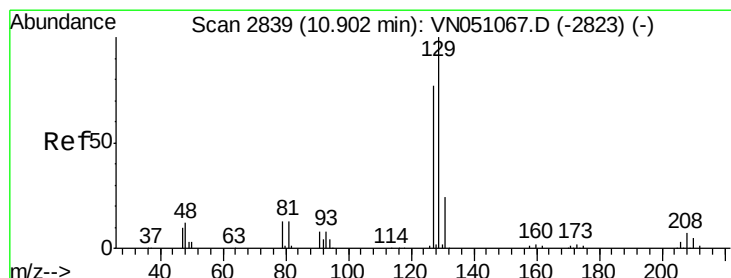
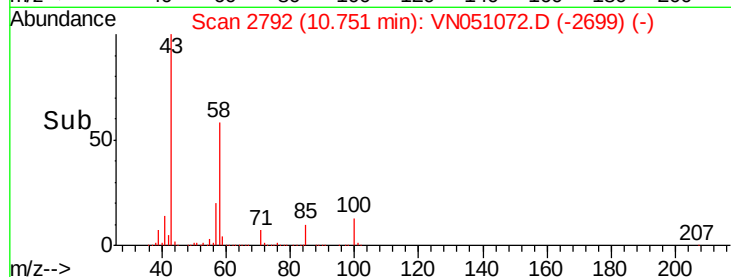
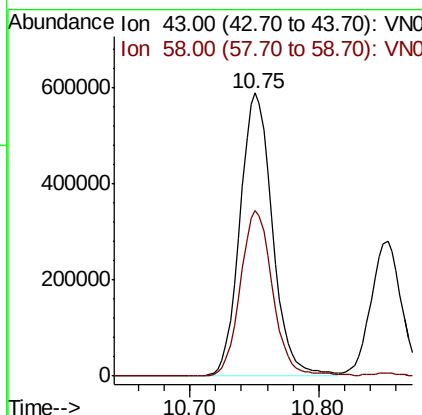
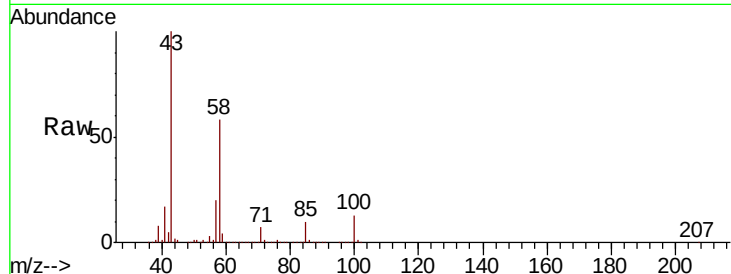
#59
2-Hexanone
Concen: 240.27 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion: 43 Resp: 1030060
Ion Ratio Lower Upper
43 100
58 58.3 29.3 88.0

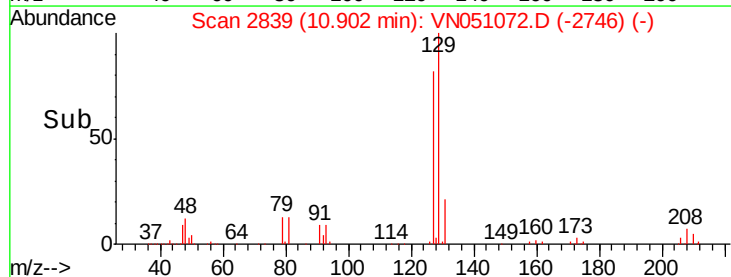
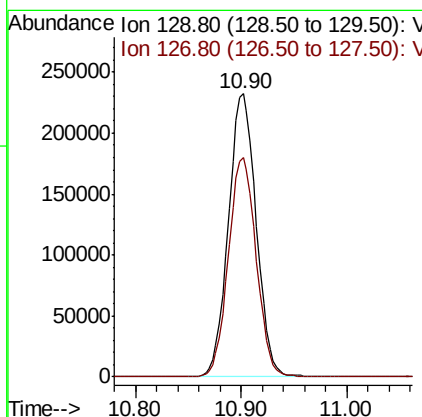
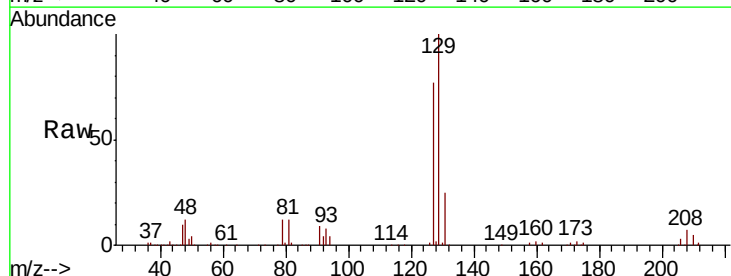
Manual Integrations
APPROVED

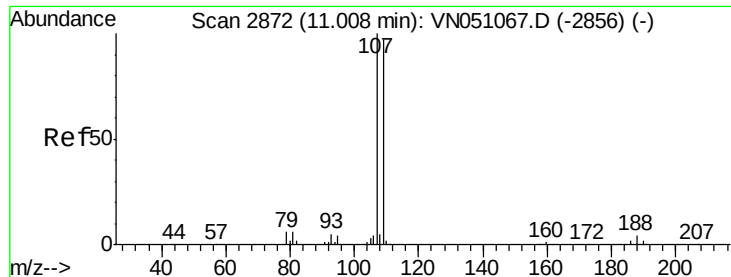
MMDadoda
9/11/2018 9:40:42 AM



#60
Dibromochloromethane
Concen: 50.32 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion: 129 Resp: 423475
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.12 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091018

Tot Ion: 107 Resp: 365781

Ion Ratio Lower Upper

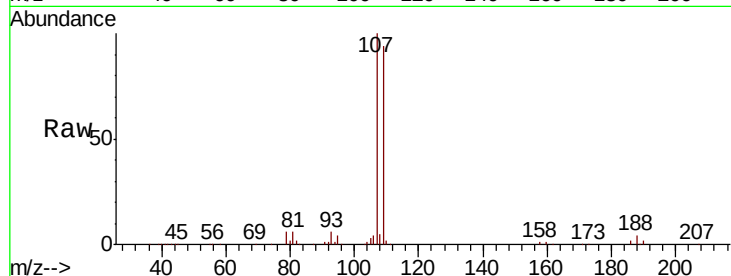
107 100

109 93.8 76.0 114.0

Manual Integrations
APPROVED

MMDadoda

9/11/2018 9:40:42 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

200000

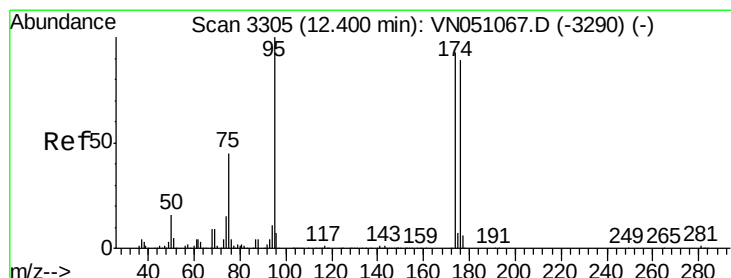
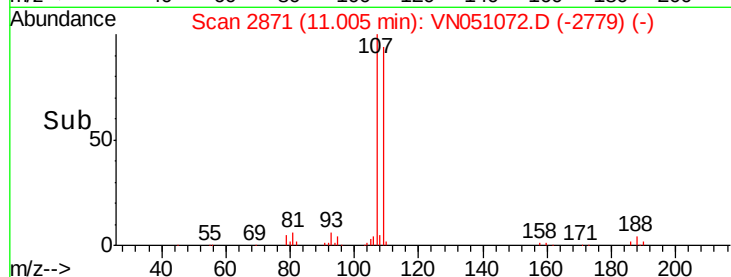
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 51.46 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

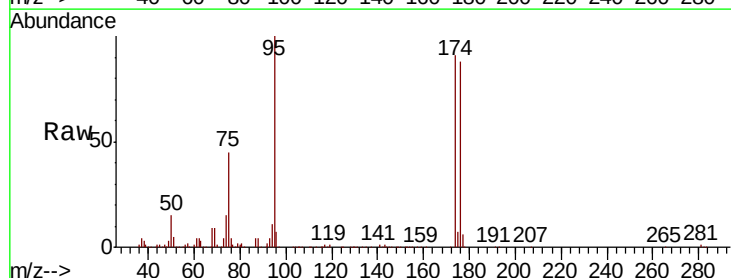
Tgt Ion: 95 Resp: 494511

Ion Ratio Lower Upper

95 100

174 91.1 0.0 184.8

176 88.9 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

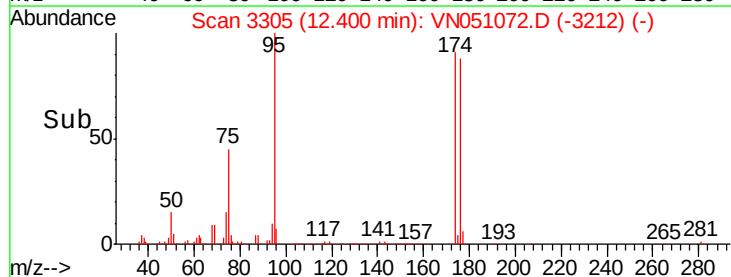
300000

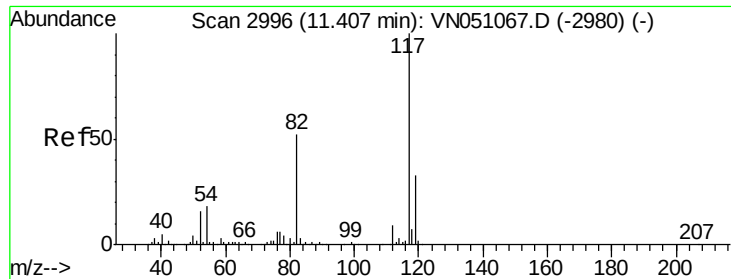
200000

100000

0

Time--> 12.30 12.35 12.40 12.45





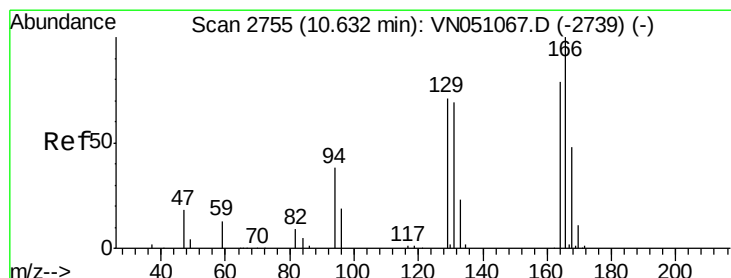
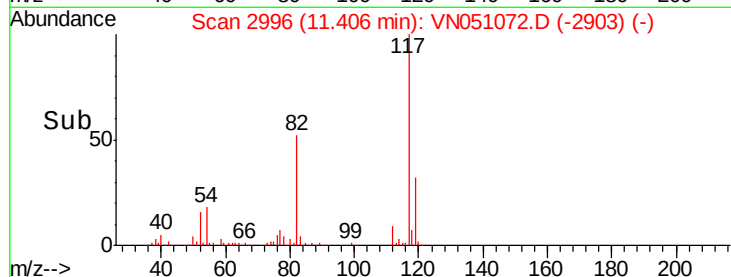
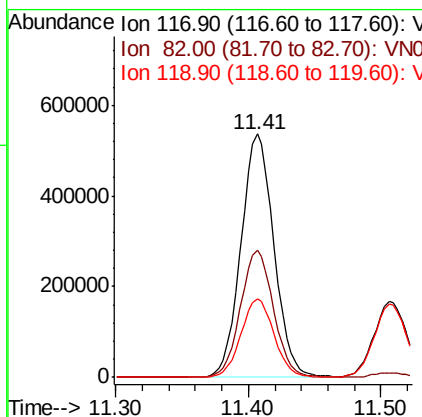
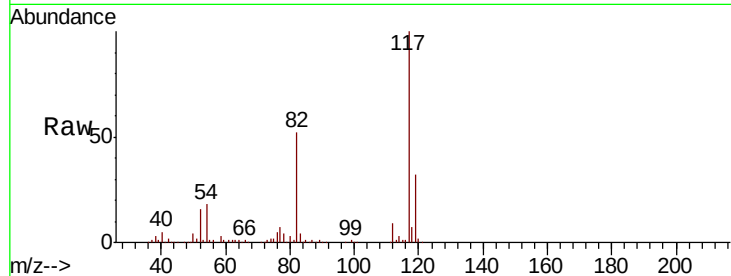
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion	Ratio	Resp	Lower	Upper
117	100	926619		
82	52.0		41.8	62.6
119	32.2		26.2	39.2

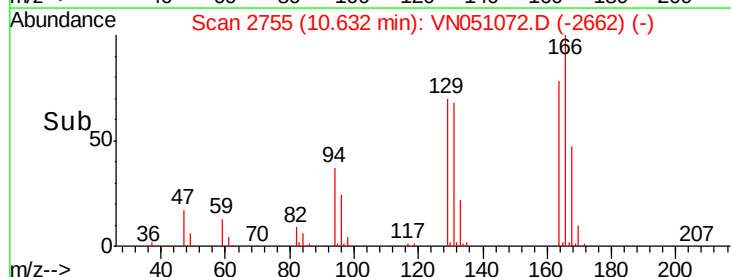
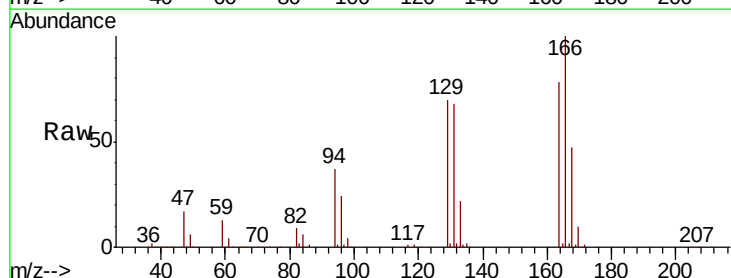
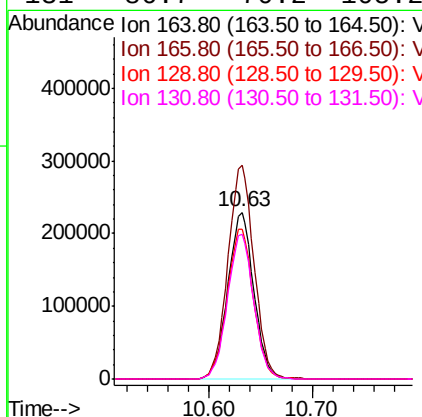
Manual Integrations
APPROVED

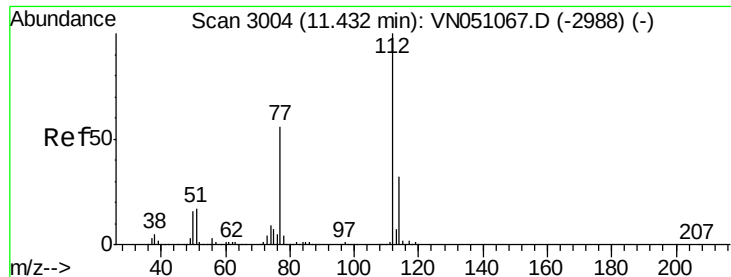
MMDadoda
9/11/2018 9:40:42 AM



#64
Tetrachloroethene
Concen: 47.73 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	403564		
166	128.3		101.3	151.9
129	89.9		72.2	108.2
131	86.7		70.2	105.2





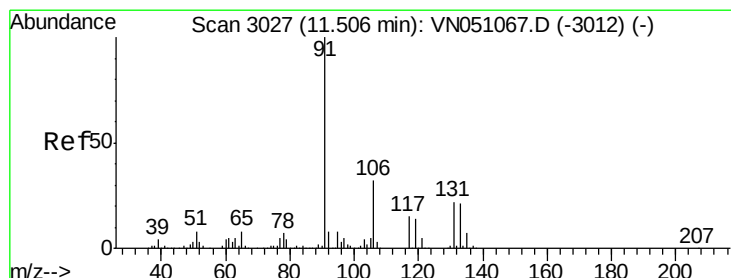
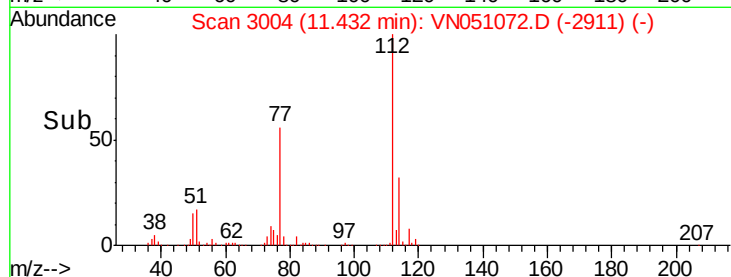
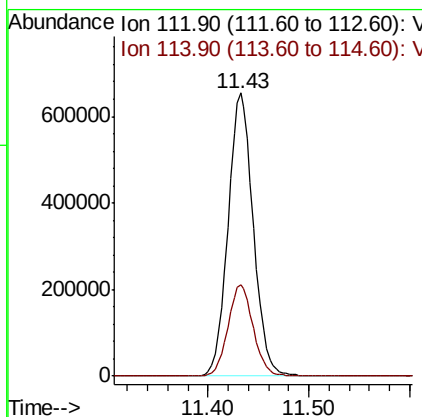
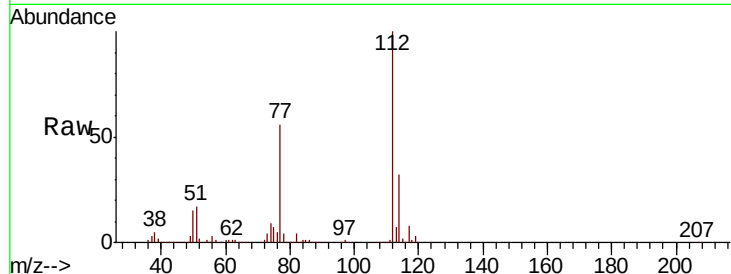
#65
Chlorobenzene
Concen: 48.70 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion:112 Resp: 1137581
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6

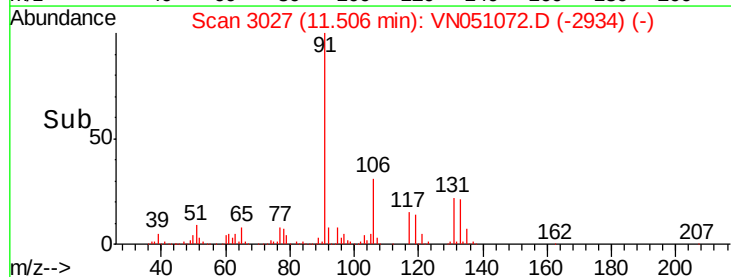
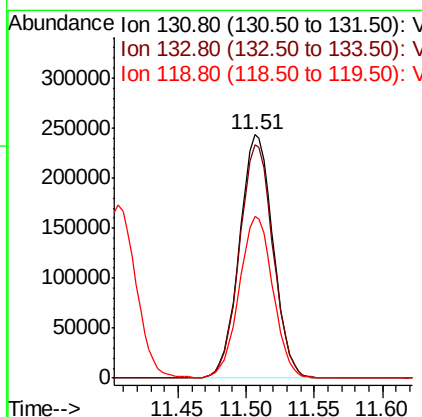
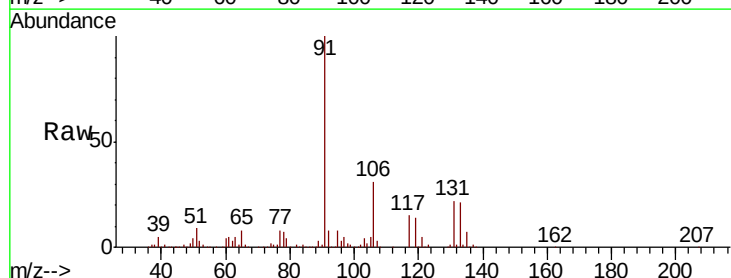
Manual Integrations
APPROVED

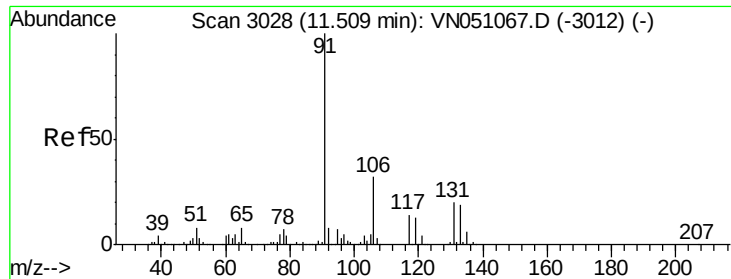
MMDadoda
9/11/2018 9:40:42 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.50 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion:131 Resp: 416295
Ion Ratio Lower Upper
131 100
133 96.2 47.5 142.6
119 66.7 33.2 99.6





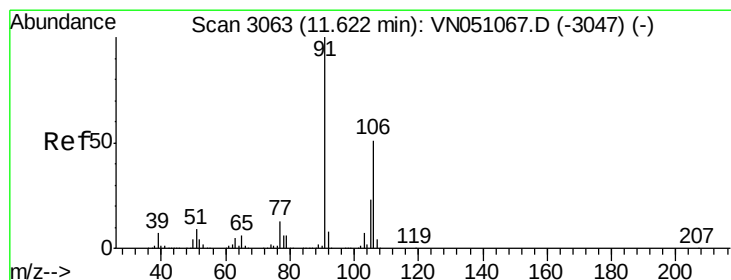
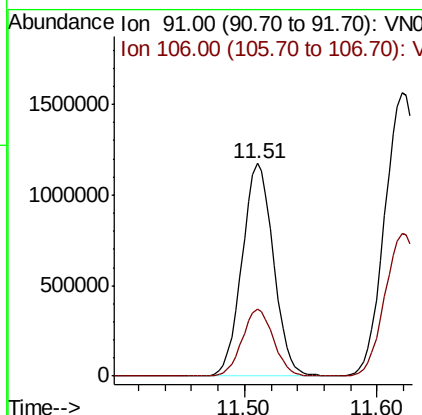
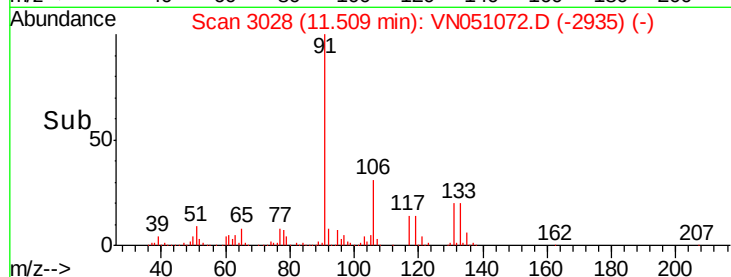
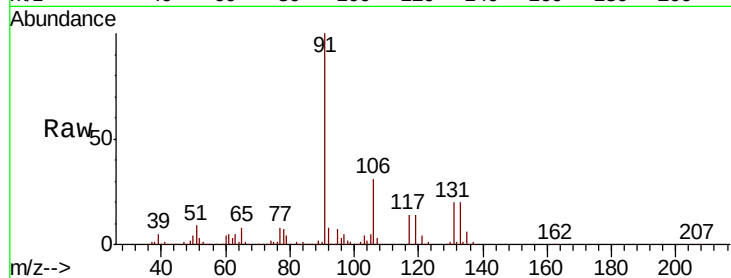
#67
Ethyl Benzene
Concen: 51.10 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion: 91 Resp: 1932773
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2

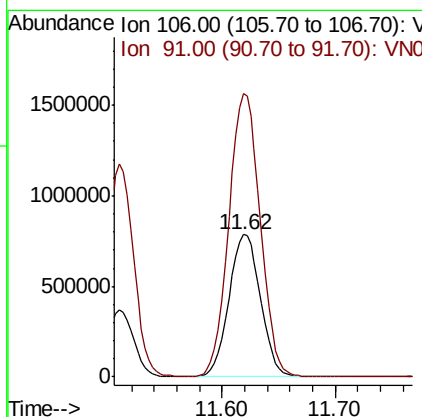
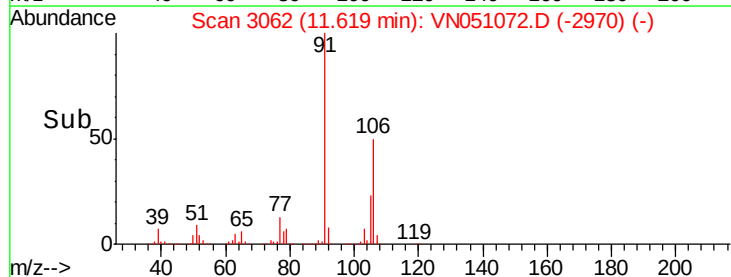
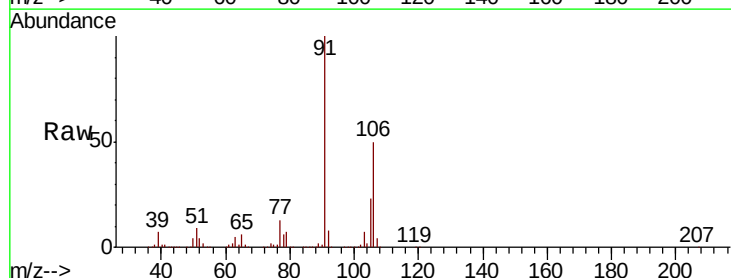
Manual Integrations
APPROVED

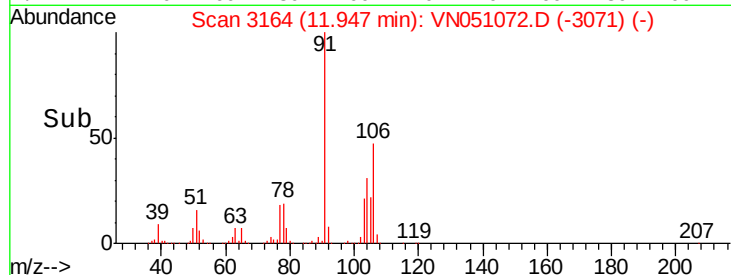
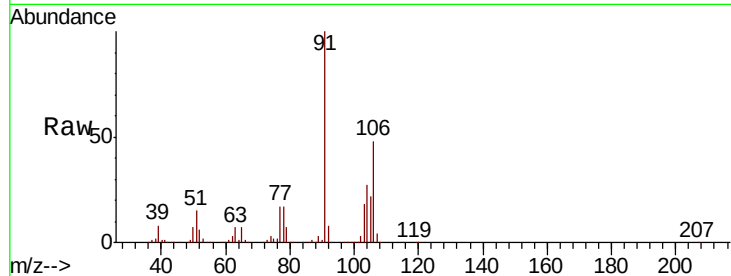
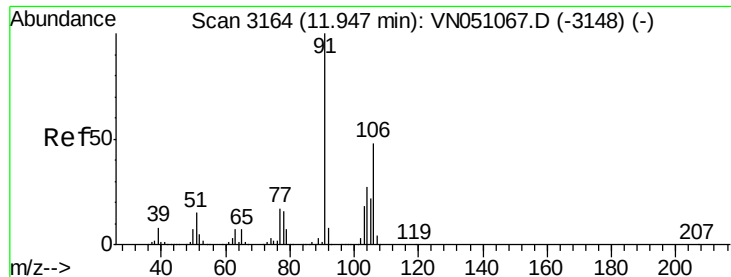
MMDadoda
9/11/2018 9:40:42 AM



#68
m/p-Xylenes
Concen: 104.62 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion: 106 Resp: 1520462
Ion Ratio Lower Upper
106 100
91 198.6 159.8 239.6





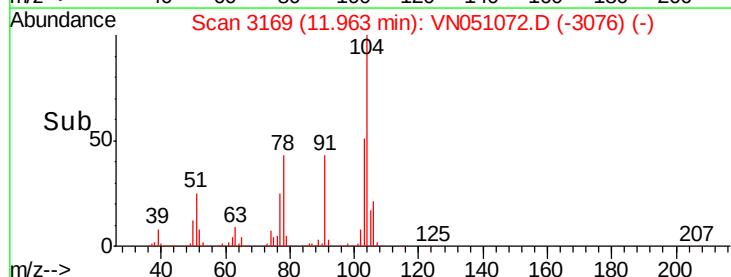
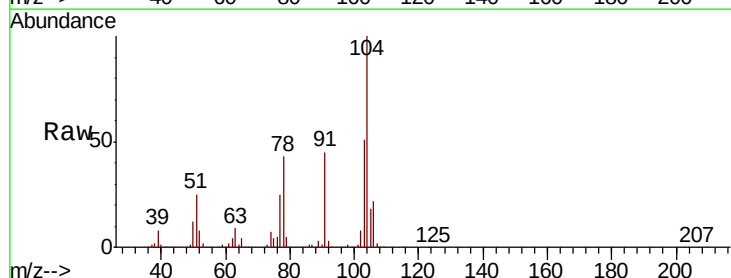
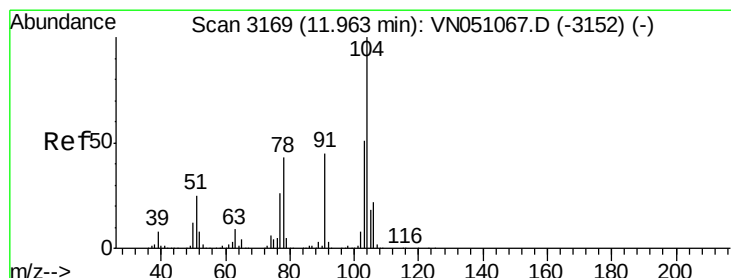
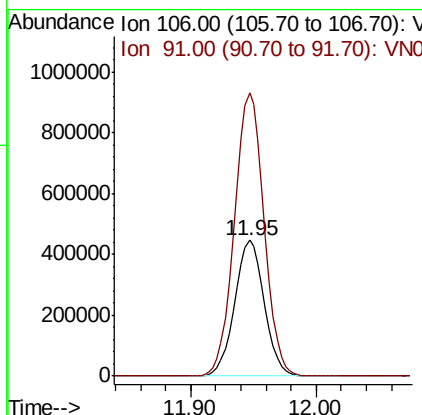
#69
o-Xylene
Concen: 51.71 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tot Ion:106 Resp: 727771
Ion Ratio Lower Upper
106 100
91 209.7 105.1 315.1

Instrument :
MSVOA_N
ClientSampled :
ICV091018

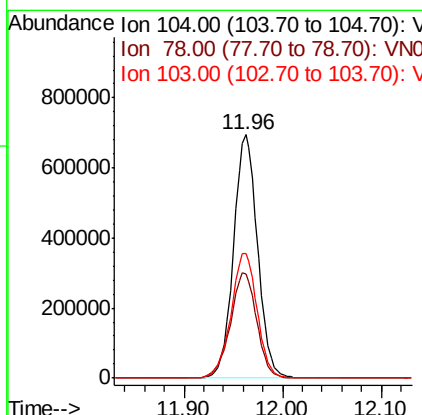
Manual Integrations
APPROVED

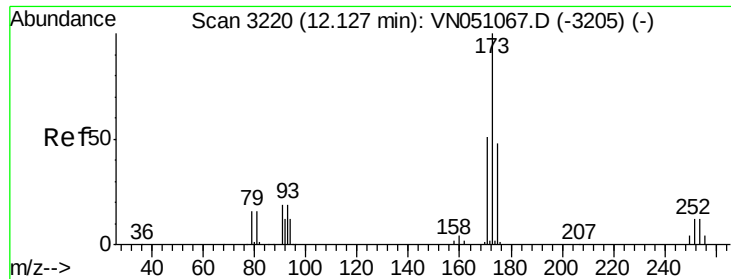
MMDadoda
9/11/2018 9:40:42 AM



#70
Styrene
Concen: 53.81 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion:104 Resp: 1174716
Ion Ratio Lower Upper
104 100
78 47.6 37.7 56.5
103 55.9 44.6 67.0





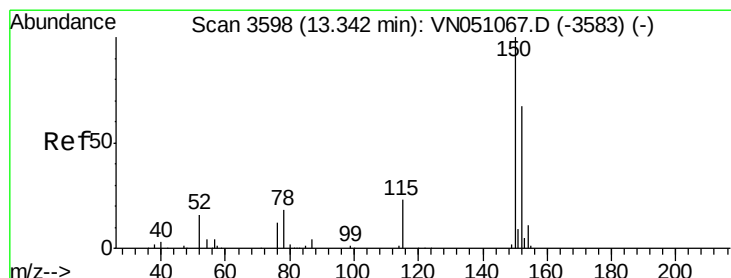
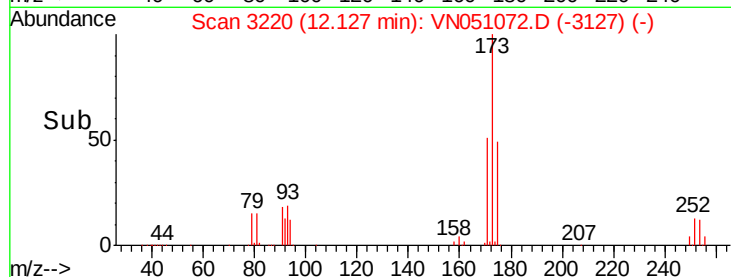
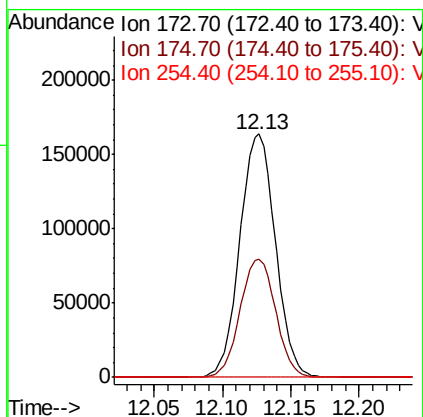
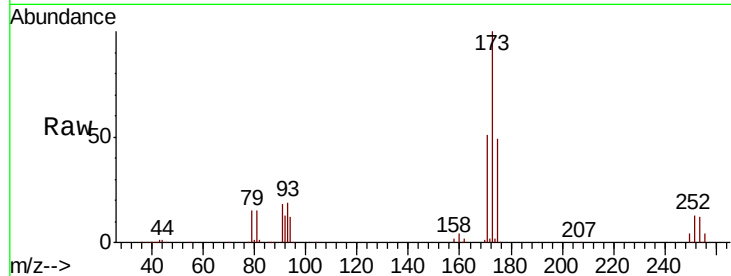
#71
Bromoform
Concen: 50.13 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.9
254	0.1	0.0	0.0

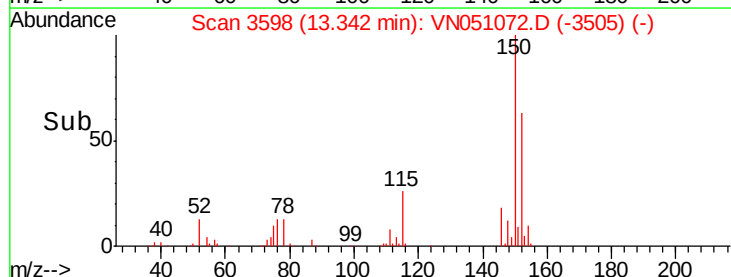
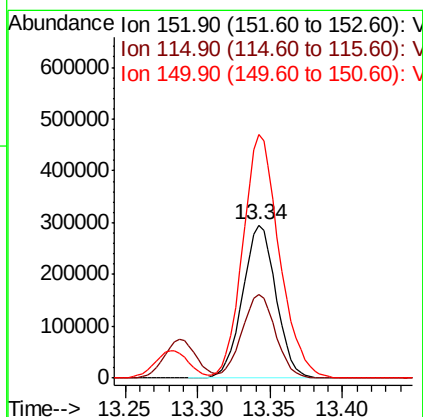
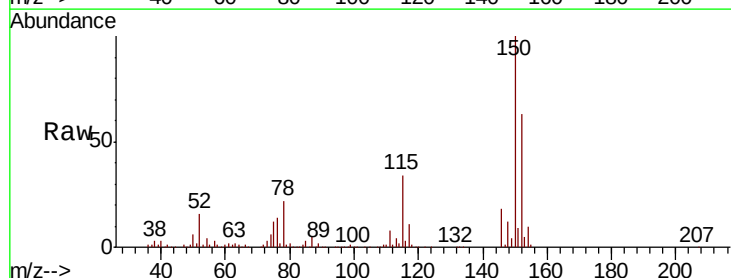
Manual Integrations
APPROVED

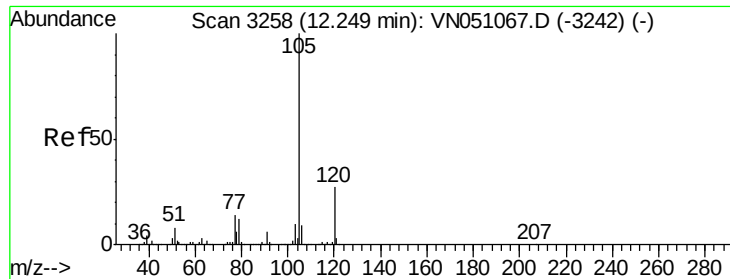
MMDadoda
9/11/2018 9:40:42 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	28.2	84.7
150	174.5	0.0	349.0





#73

Isopropylbenzene

Concen: 48.32 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

ClientSampled :

ICVVN091018

Tot Ion:105 Resp: 1913524

Ion Ratio Lower Upper

105 100

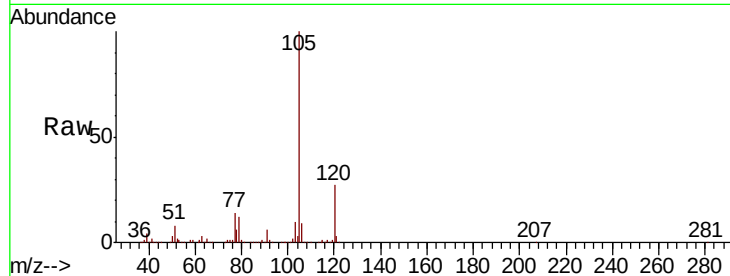
120 27.1 13.6 40.7

Manual Integrations

APPROVED

MMDadoda

9/11/2018 9:40:42 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

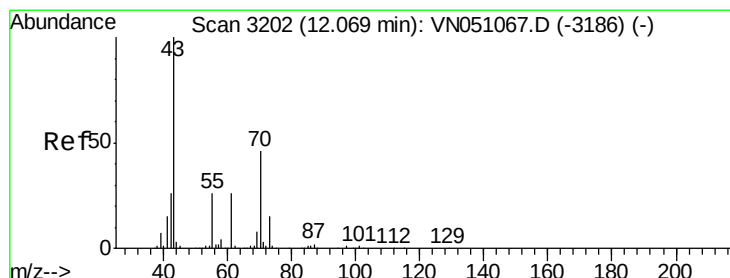
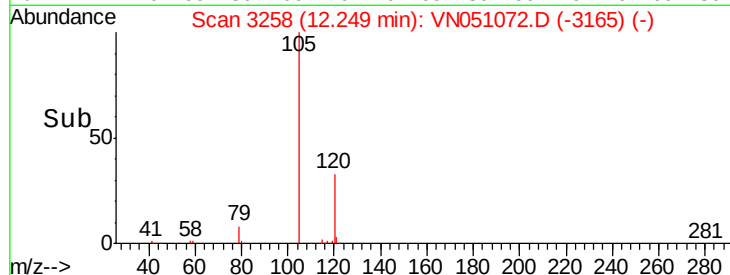
1000000

500000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 47.34 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Tgt Ion: 43 Resp: 471857

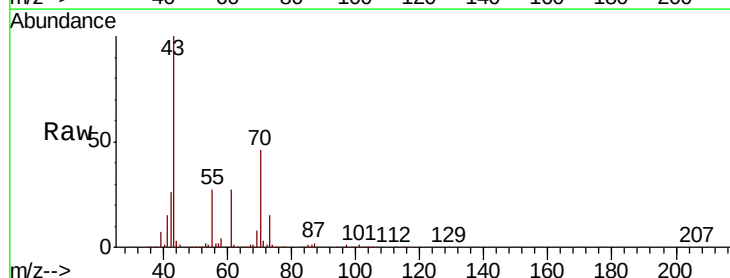
Ion Ratio Lower Upper

43 100

70 46.1 37.0 55.4

55 27.1 21.3 31.9

61 26.5 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

400000

300000

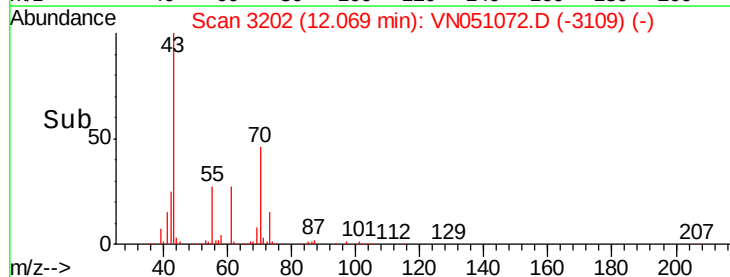
200000

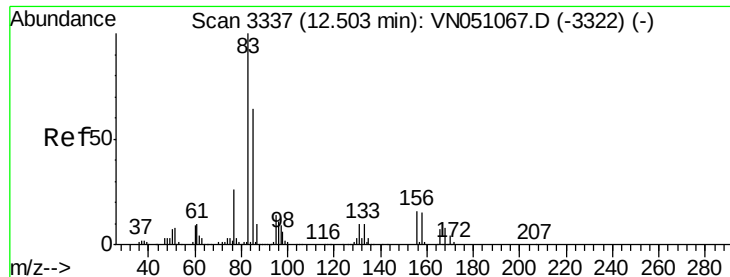
100000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 49.50 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

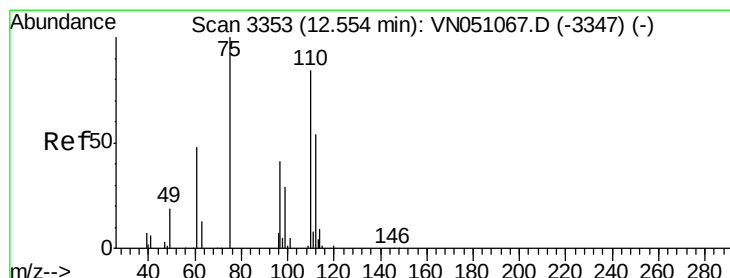
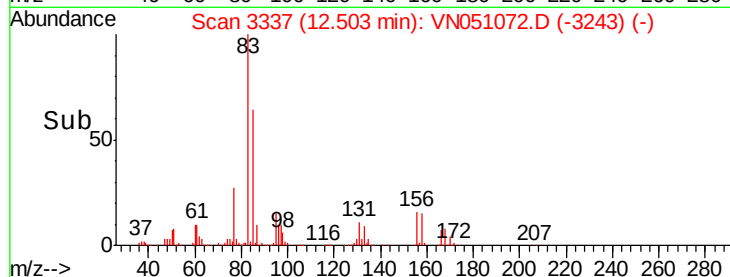
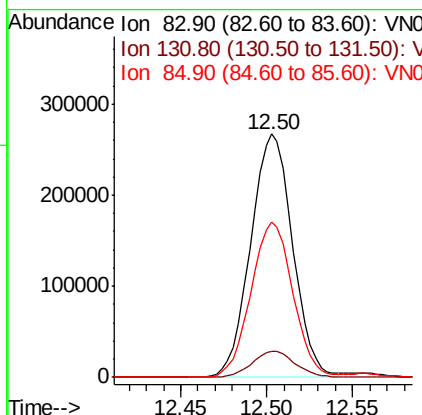
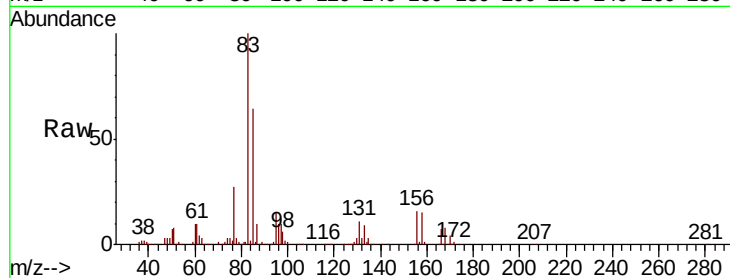
ClientSampleId :

ICVVN091018

Tot Ion:	83	Resp:	449929
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	16.1
85	64.0	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:40:42 AM



#76

1,2,3-Trichloropropane

Concen: 51.38 ug/l m

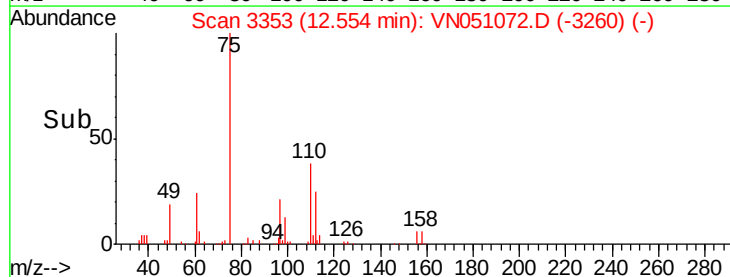
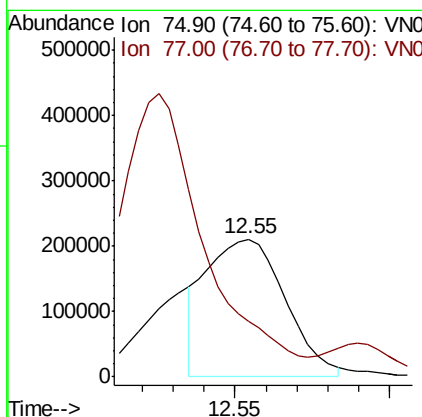
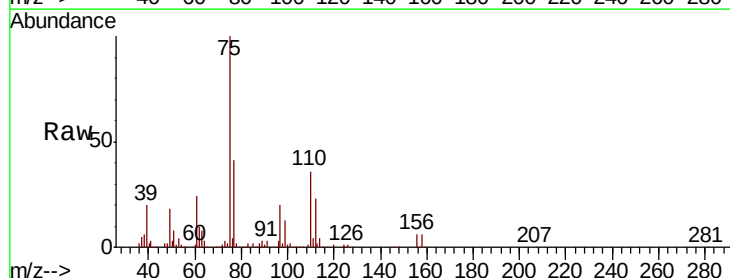
RT: 12.55 min Scan# 3353

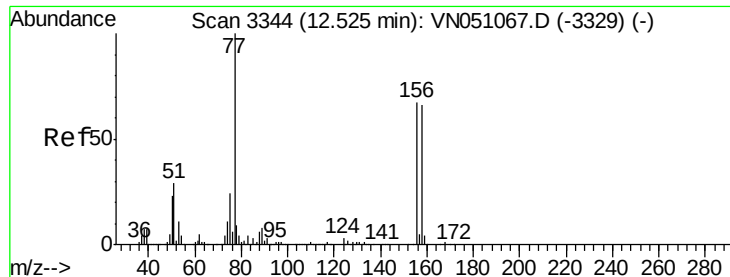
Delta R.T. 0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Tgt Ion:	75	Resp:	375894
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.53 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

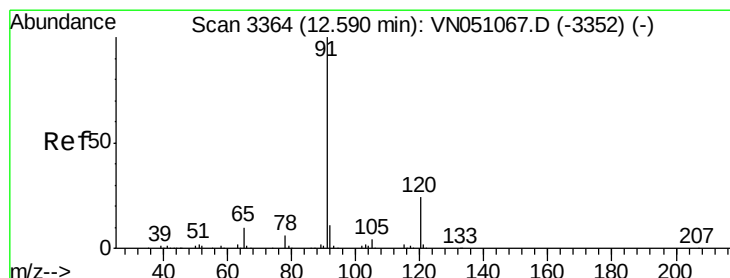
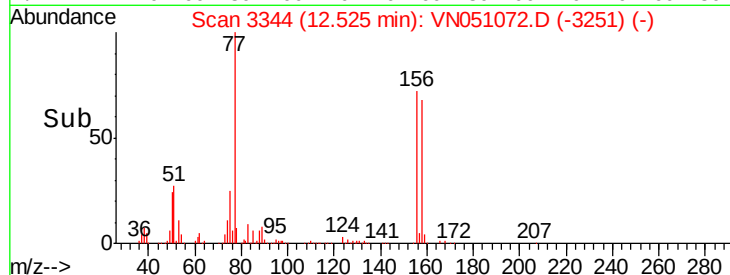
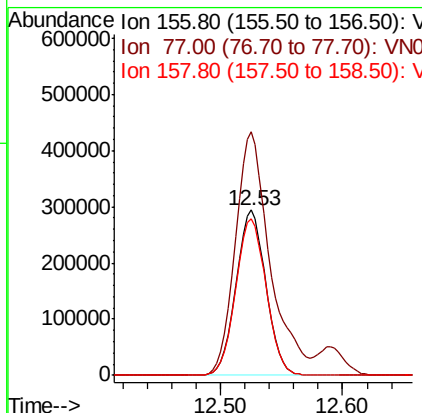
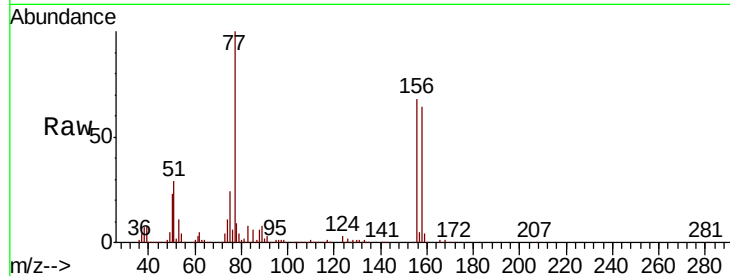
ClientSampled :

ICVVN091018

Tot Ion:	156	Resp:	494922
Ion Ratio	Lower	Upper	
156	100		
77	172.1	87.5	262.6
158	96.8	49.0	147.2

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:40:42 AM



#78

n-propylbenzene

Concen: 49.38 ug/l

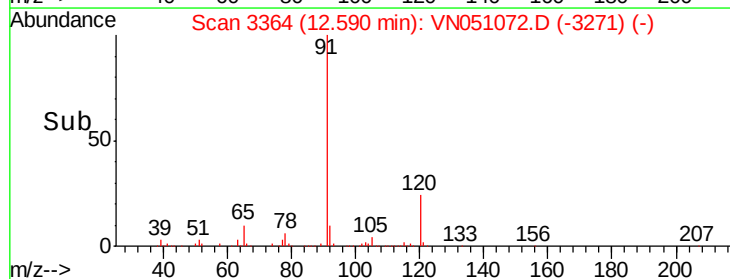
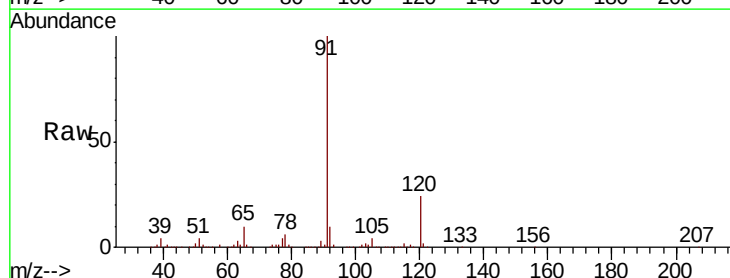
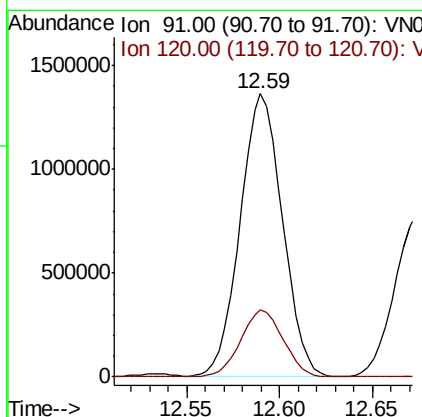
RT: 12.59 min Scan# 3364

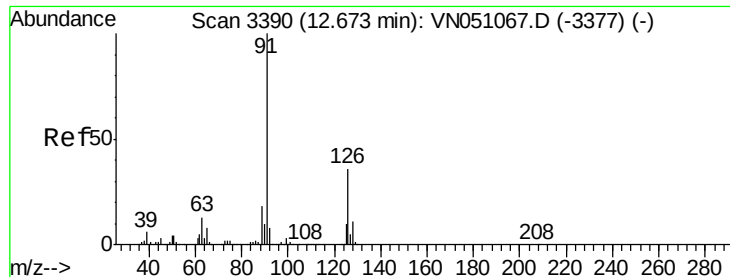
Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Tgt Ion:	91	Resp:	2149624
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.0	36.0





#79

2-Chlorotoluene

Concen: 47.04 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

ClientSampled :

ICVVN091018

Tot Ion: 91 Resp: 1279822

Ion Ratio Lower Upper

91 100

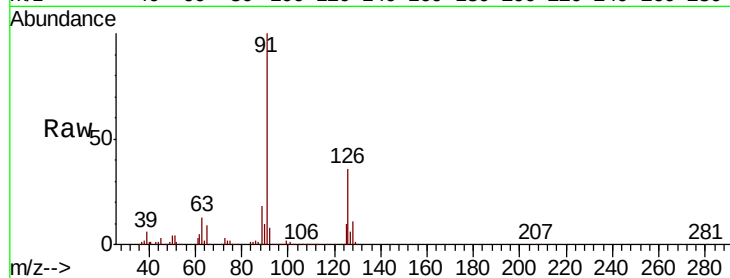
126 36.1 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

9/11/2018 9:40:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VN051072.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN051072.D (-3297) (-)

1500000

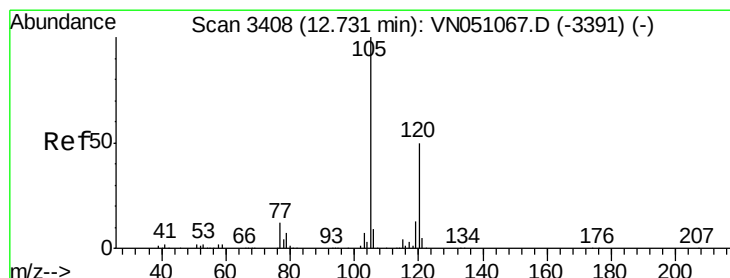
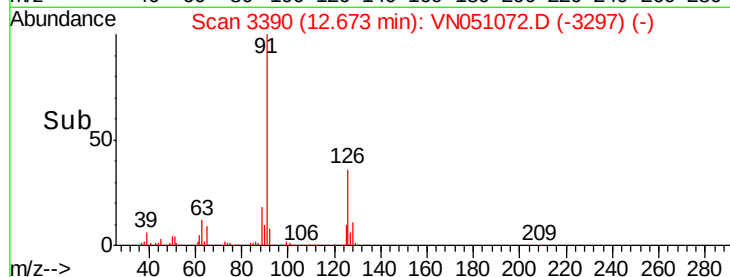
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.93 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051072.D

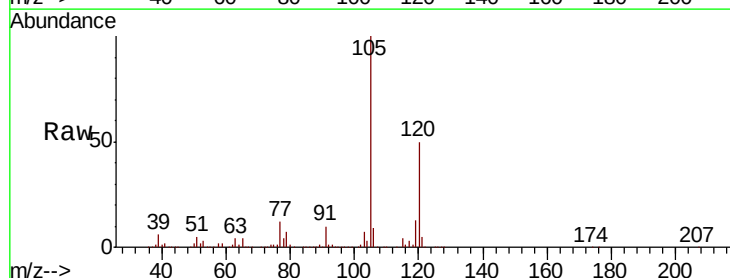
Acq: 10 Sep 2018 12:29

Tgt Ion:105 Resp: 1566722

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051072.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN051072.D (-3315) (-)

1200000

1000000

800000

600000

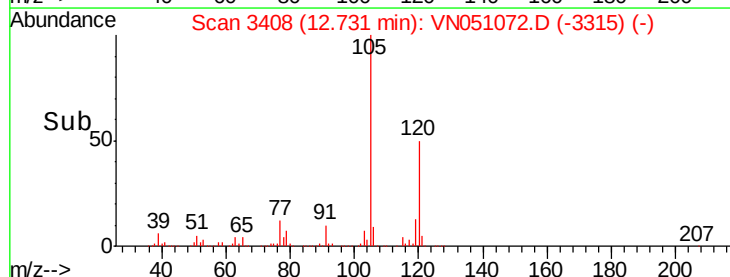
400000

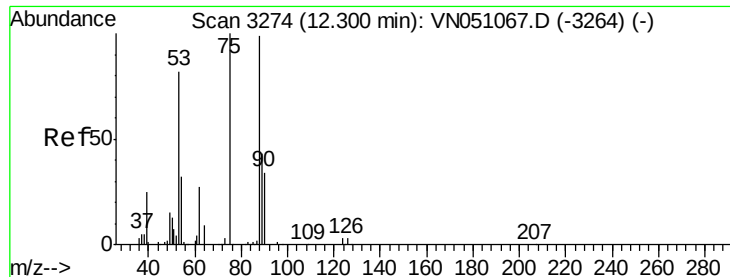
200000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.29 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

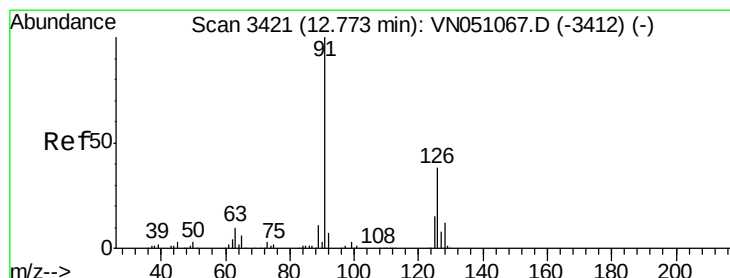
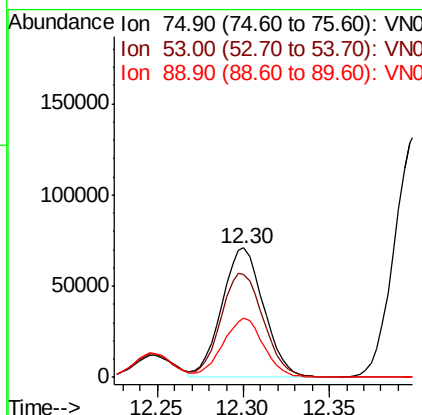
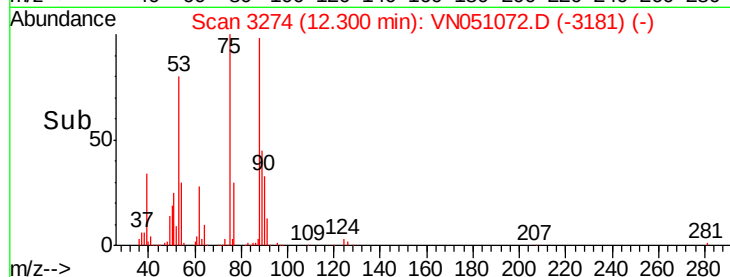
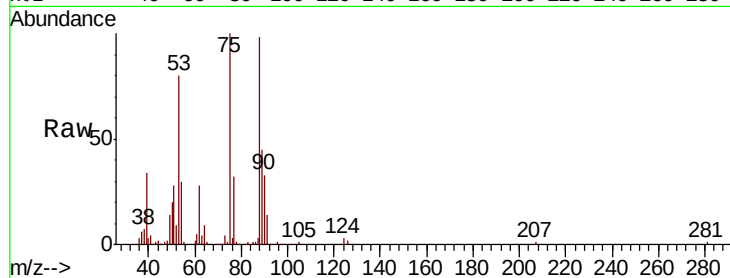
ClientSampleId :

ICVVN091018

Tot Ion:	75	Resp:	120070
Ion	Ratio	Lower	Upper
75	100		
53	82.6	67.8	101.8
89	44.8	36.0	54.0

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:40:42 AM



#82

4-Chlorotoluene

Concen: 47.35 ug/l

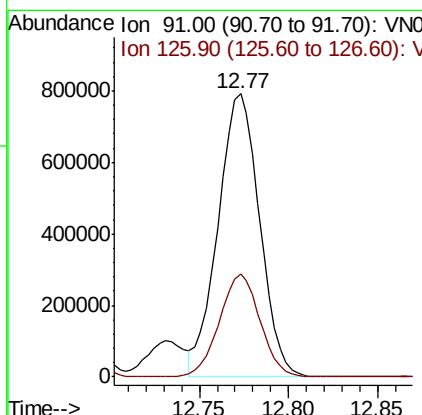
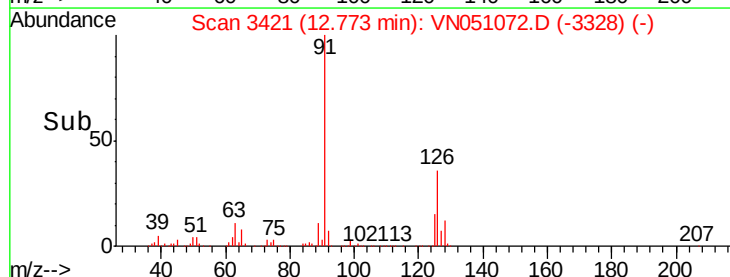
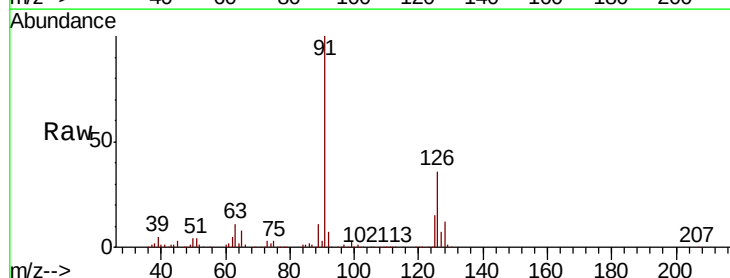
RT: 12.77 min Scan# 3421

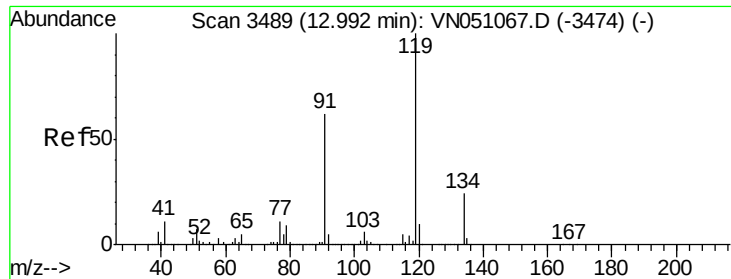
Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Tgt Ion:	91	Resp:	1278946
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.6	52.8





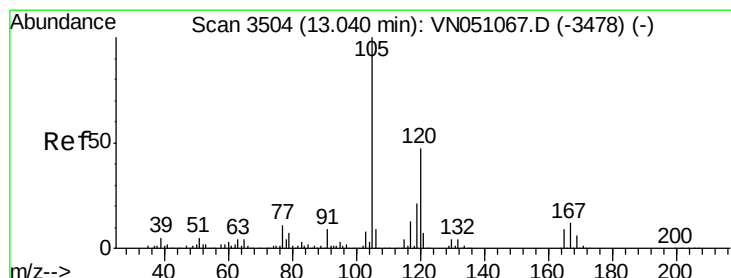
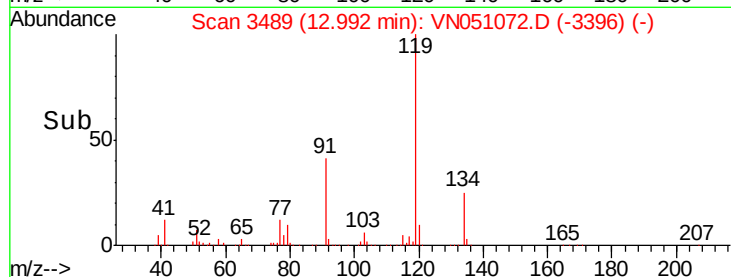
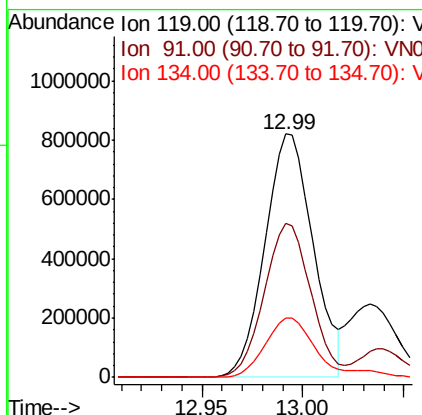
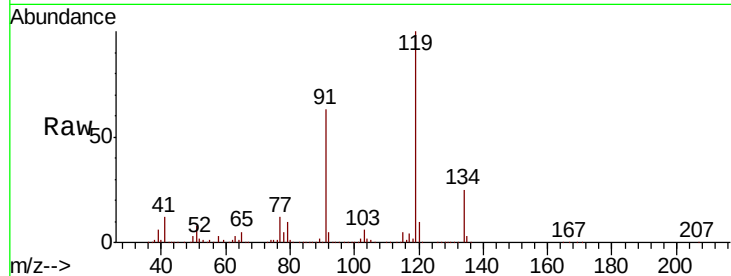
#83
 tert-Butylbenzene
 Concen: 48.10 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091018

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.8	92.3
134	24.8	13.2	39.6

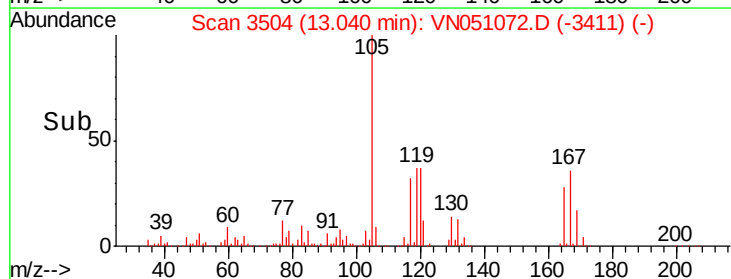
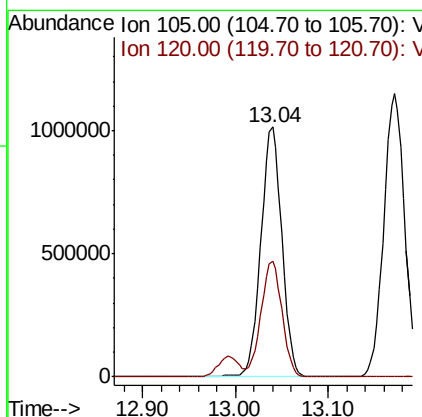
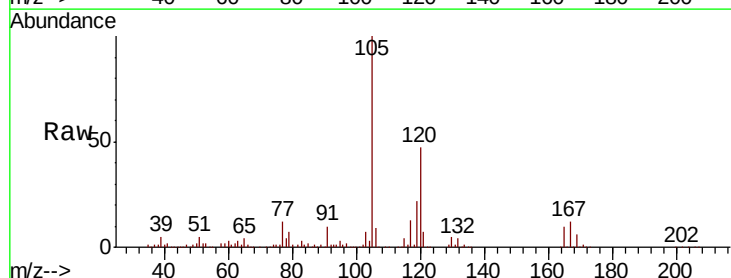
Manual Integrations
 APPROVED

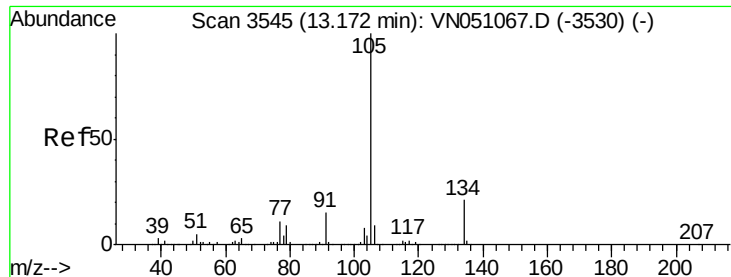
MMDadoda
 9/11/2018 9:40:42 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.67 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.3	69.8





#85

sec-Butylbenzene

Concen: 49.46 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091018

Tot Ion:105 Resp: 1792923

Ion Ratio Lower Upper

105 100

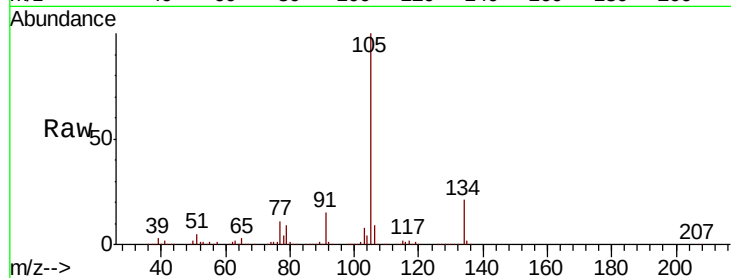
134 20.9 10.4 31.4

Manual Integrations

APPROVED

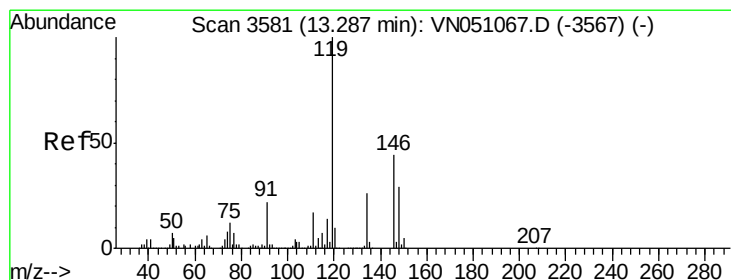
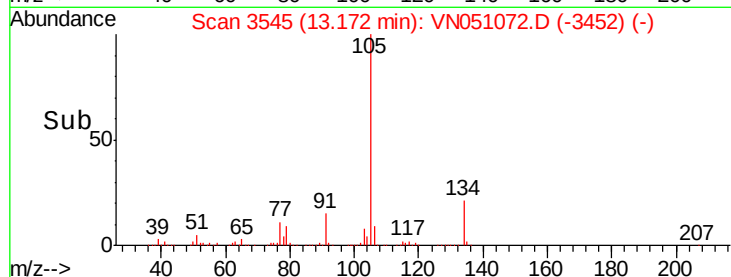
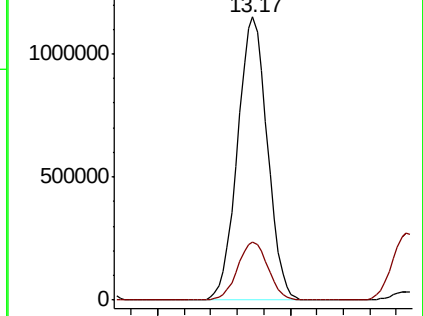
MMDadoda

9/11/2018 9:40:42 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.09 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

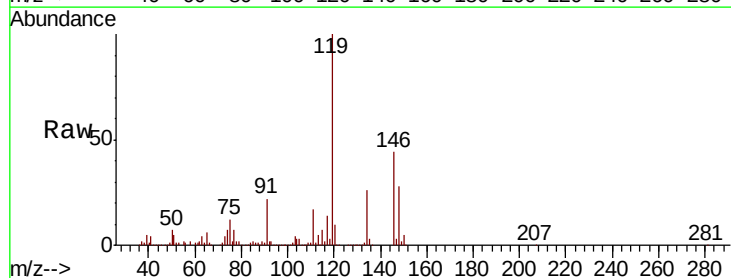
Tgt Ion:119 Resp: 1601009

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

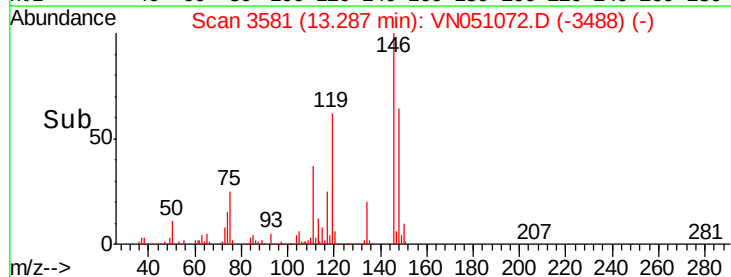
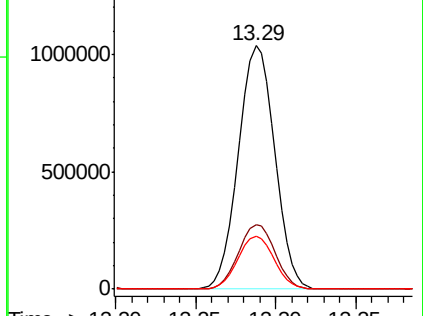
91 21.6 10.9 32.9

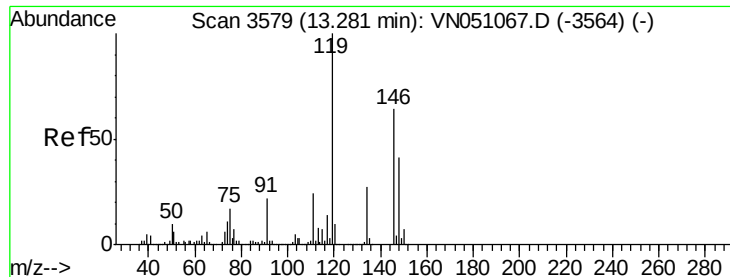


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





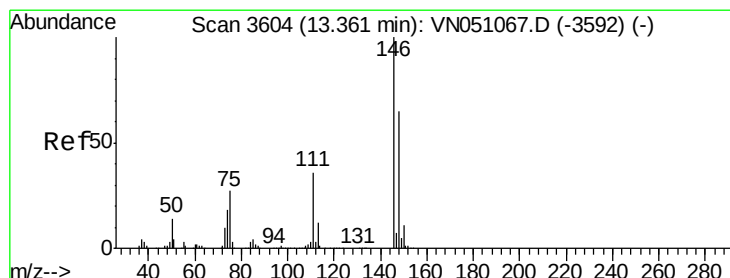
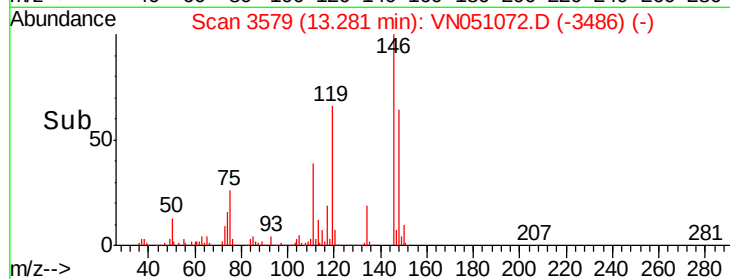
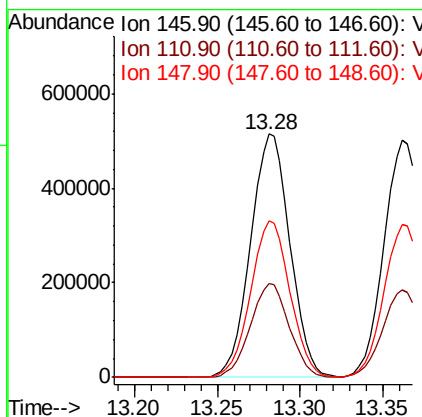
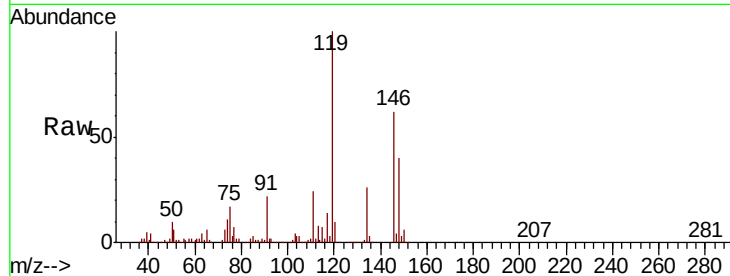
#87
 1,3-Dichlorobenzene
 Concen: 47.05 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091018

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	64.0	32.2	96.6

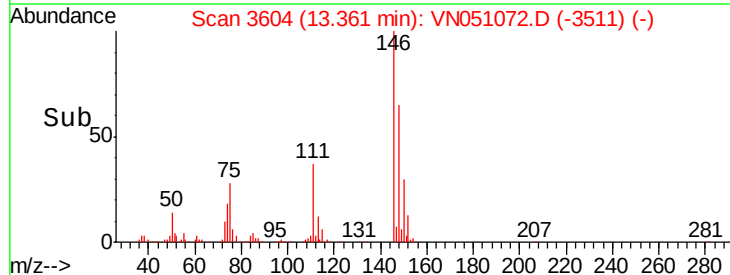
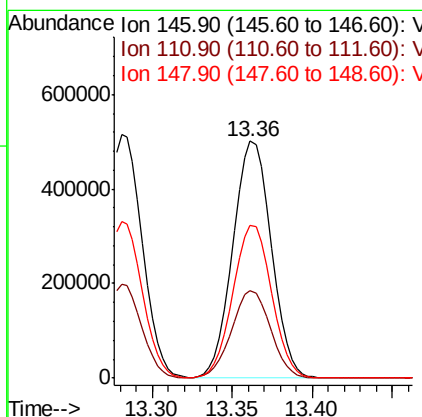
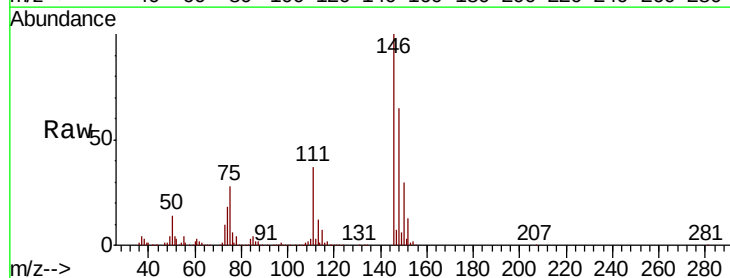
Manual Integrations
 APPROVED

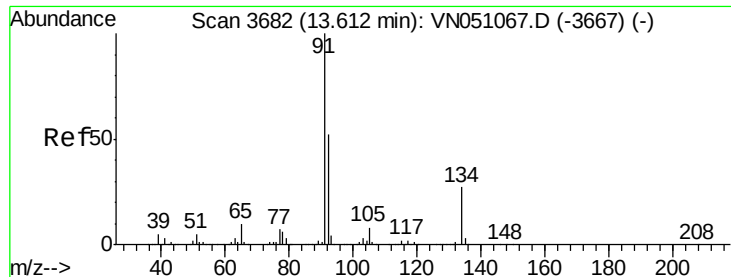
MMDadoda
 9/11/2018 9:40:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.56 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.4	55.0
148	64.8	32.2	96.6





#89

n-Butylbenzene

Concen: 52.47 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051072.D

Acq: 10 Sep 2018 12:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091018

Tot Ion: 91 Resp: 1255164

Ion Ratio Lower Upper

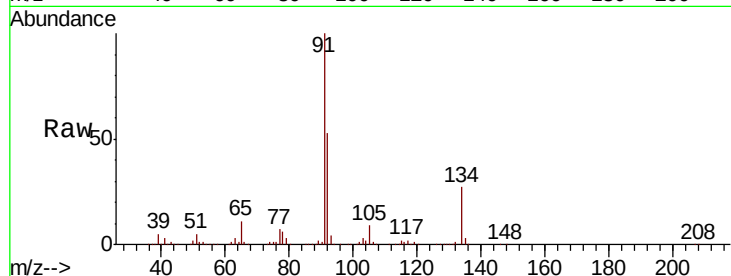
91 100

92 52.2 26.2 78.6

134 27.4 13.7 41.1

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:40:42 AM

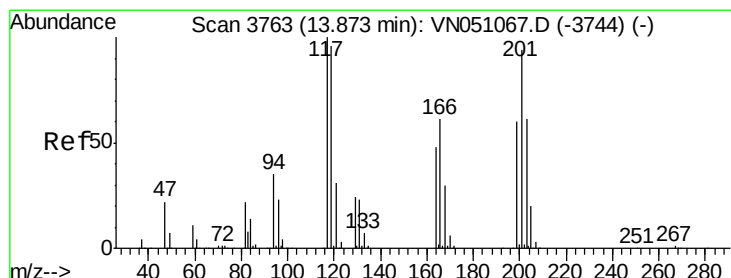
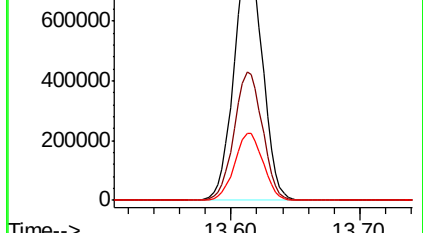
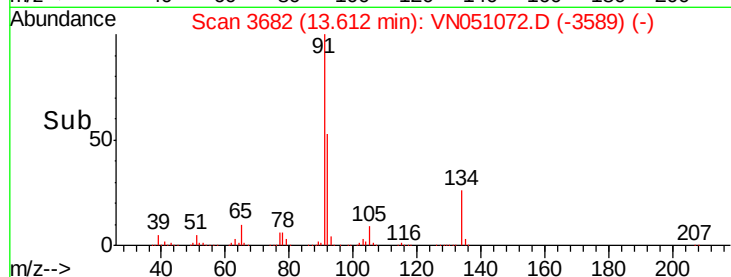


Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051067.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051067.D (-3667) (-)

Time-->



#90

Hexachloroethane

Concen: 50.43 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051072.D

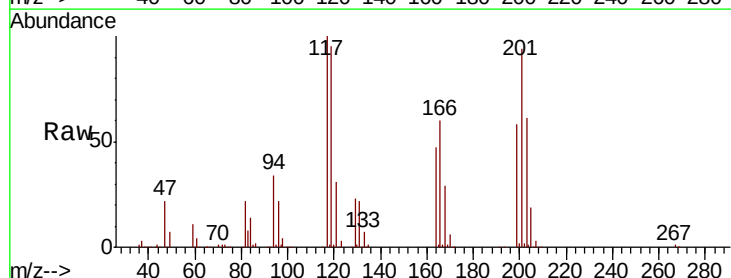
Acq: 10 Sep 2018 12:29

Tgt Ion: 117 Resp: 282188

Ion Ratio Lower Upper

117 100

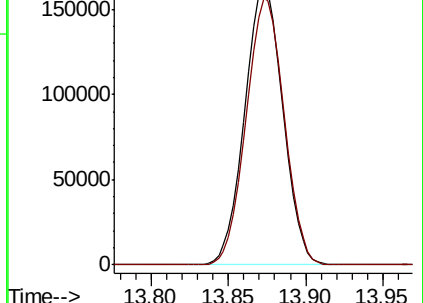
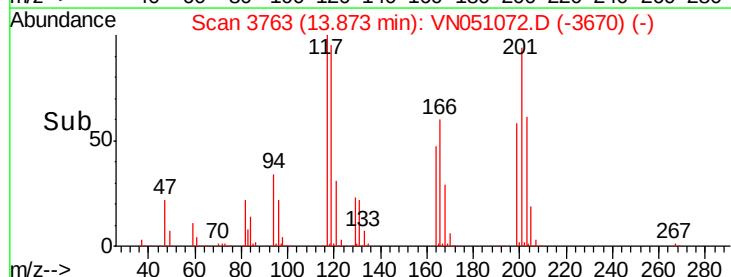
201 94.7 47.3 142.0

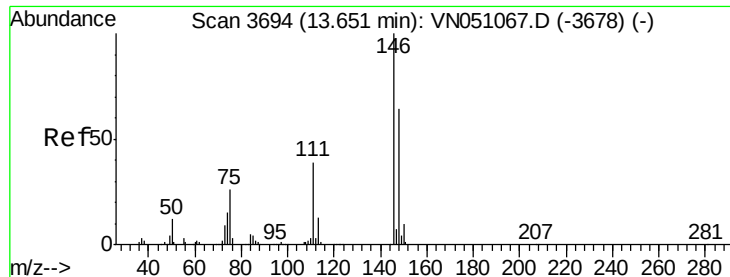


Abundance Ion 116.80 (116.50 to 117.50): VN051067.D (-3744) (-)

Ion 200.70 (200.40 to 201.40): VN051067.D (-3744) (-)

Time-->





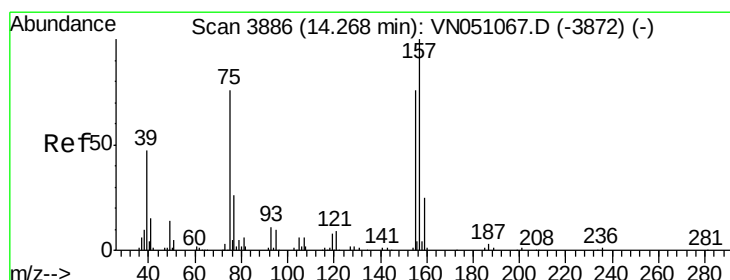
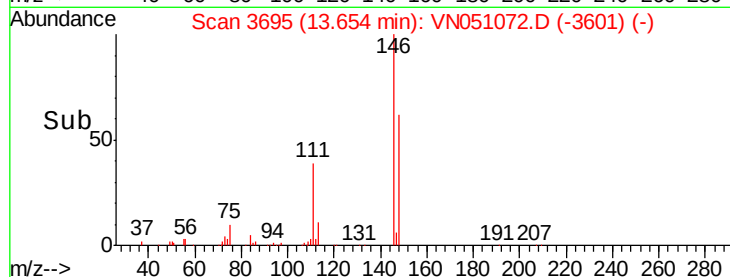
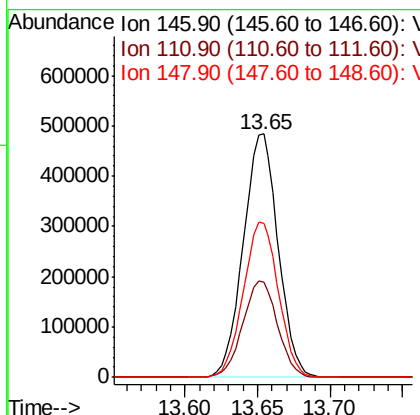
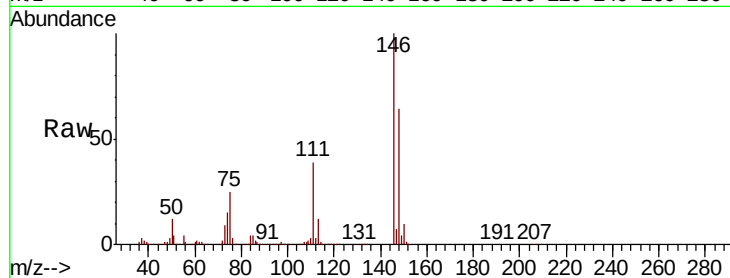
#91
 1,2-Dichlorobenzene
 Concen: 45.97 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091018

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	64.4	32.1	96.3

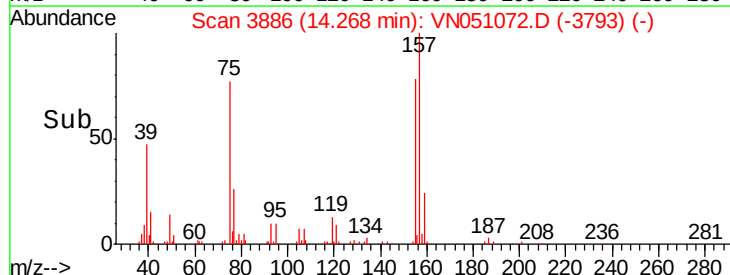
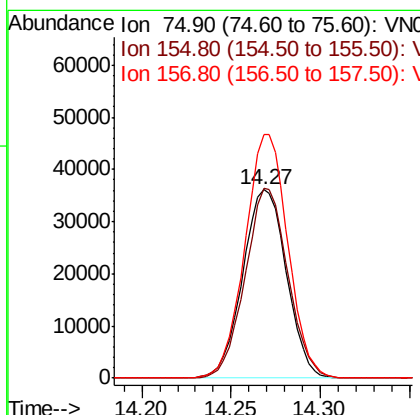
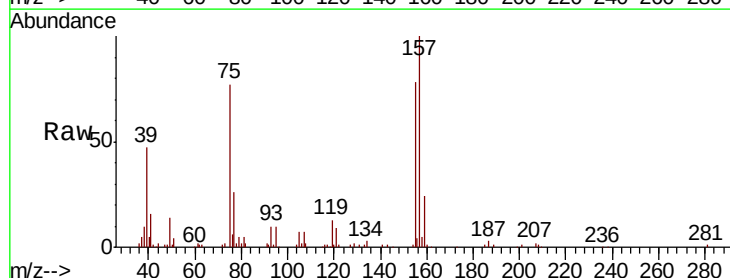
Manual Integrations
 APPROVED

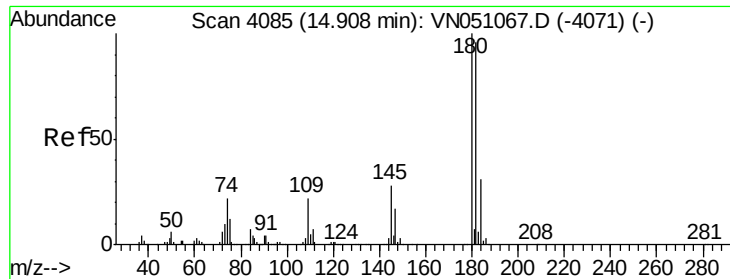
MMDadoda
 9/11/2018 9:40:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.79 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.4	48.7	146.1
157	126.8	63.6	190.9





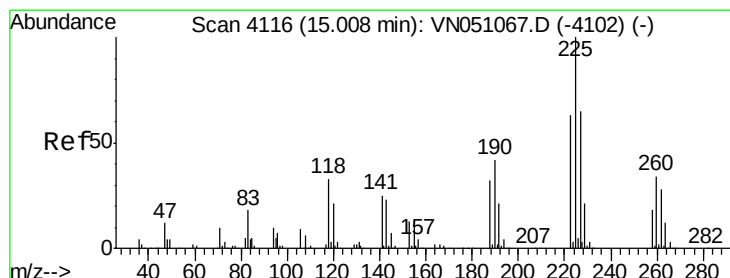
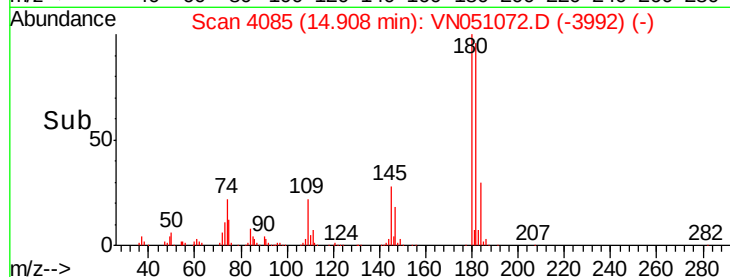
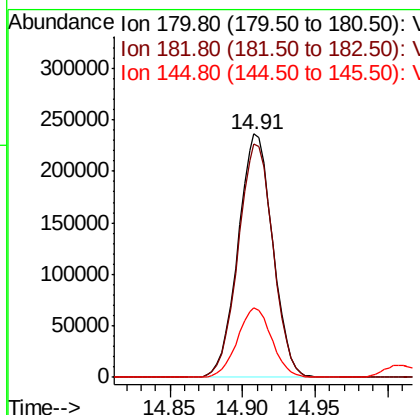
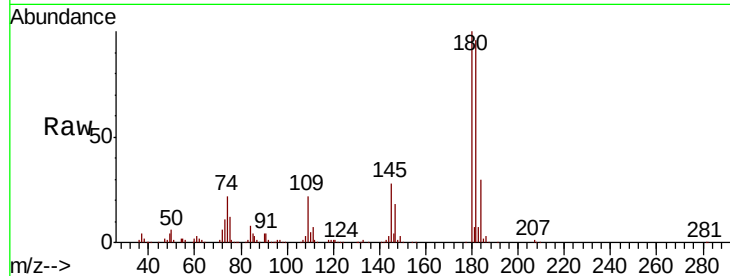
#93
 1,2,4-Trichlorobenzene
 Concen: 46.29 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091018

Tot Ion	Ratio	Resp	Lower	Upper
180	100	390632		
182	96.7	47.3	141.8	
145	28.3	14.2	42.6	

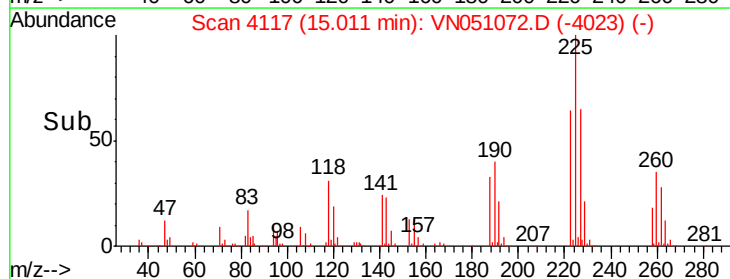
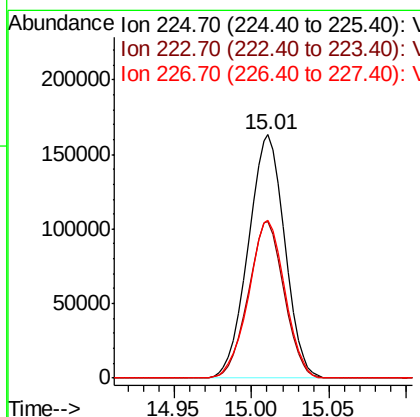
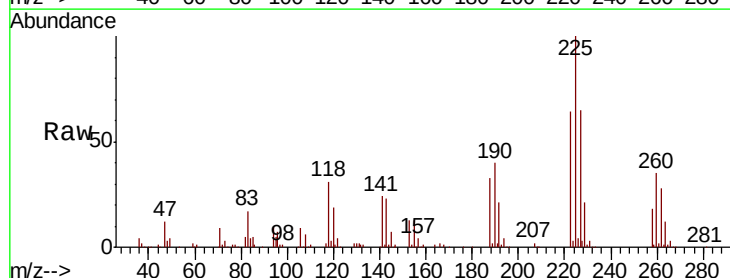
Manual Integrations
 APPROVED

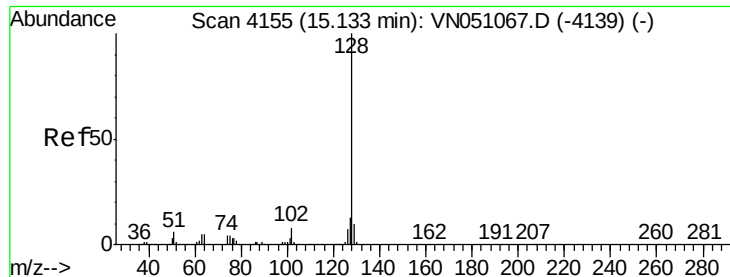
MMDadoda
 9/11/2018 9:40:42 AM



#94
 Hexachlorobutadiene
 Concen: 52.41 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051072.D
 Acq: 10 Sep 2018 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	268158		
223	62.9	31.4	94.0	
227	64.4	32.1	96.3	





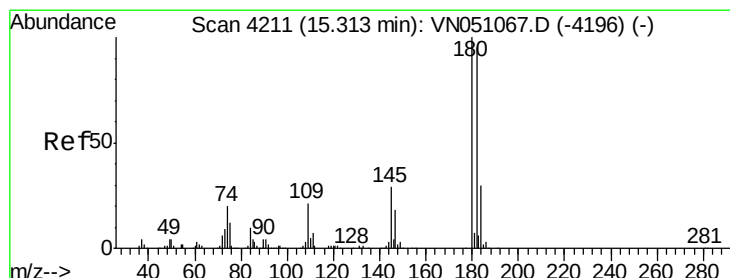
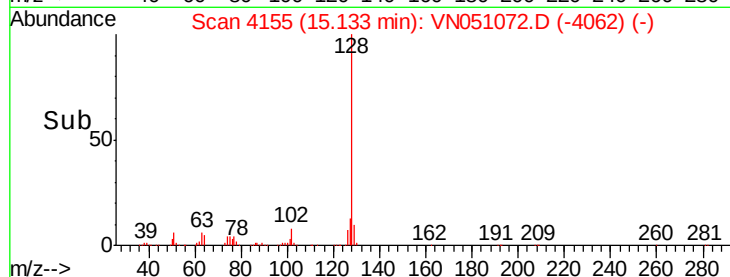
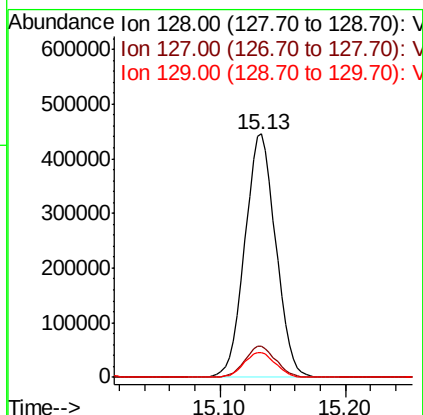
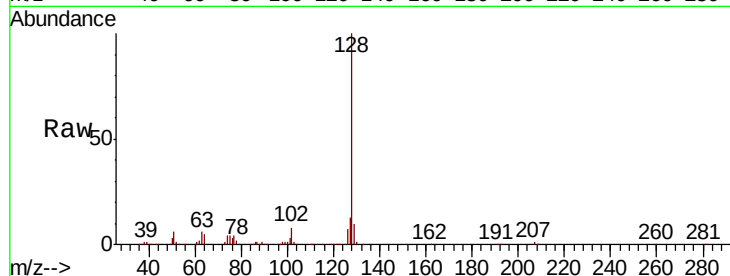
#95
Naphthalene
Concen: 43.69 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	12.9		10.6	15.8	
129	10.6		8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:40:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.07 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051072.D
Acq: 10 Sep 2018 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	96.2		47.8	143.3	
145	29.6		14.6	43.8	

