

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052769.D
 Acq On : 10 Dec 2018 23:37
 Operator : MD\SY
 Sample : VN1210WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS03

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:46:57 PM

Quant Time: Dec 11 03:22:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	943021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1478747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1310392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	613224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	534499	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
35) Dibromofluoromethane	7.59	113	407509	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	
50) Toluene-d8	10.09	98	1816558	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.40	95	625311	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	139182	15.763	ug/l	98
3) Chloromethane	2.06	50	189803	16.285	ug/l	99
4) Vinyl Chloride	2.19	62	199962	16.701	ug/l	100
5) Bromomethane	2.58	94	120441	16.122	ug/l	100
6) Chloroethane	2.71	64	126259	17.409	ug/l	97
7) Trichlorofluoromethane	3.03	101	270340	18.382	ug/l	99
8) Diethyl Ether	3.42	74	106696	19.645	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	166395	18.132	ug/l	98
10) Methyl Iodide	3.96	142	193651	15.843	ug/l	99
11) Tert butyl alcohol	4.78	59	62549	121.683	ug/l	99
12) 1,1-Dichloroethene	3.74	96	161307	18.261	ug/l	96
13) Acrolein	3.61	56	28534	31.939	ug/l	96
14) Allyl chloride	4.33	41	275863	18.119	ug/l	97
15) Acrylonitrile	4.99	53	331918	102.006	ug/l	99
16) Acetone	3.82	43	224513	82.900	ug/l	98
17) Carbon Disulfide	4.06	76	407010	14.641	ug/l	100
18) Methyl Acetate	4.33	43	165869	21.352	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	492792	20.967	ug/l	98
20) Methylene Chloride	4.56	84	195754	18.471	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	175872	18.641	ug/l	95
22) Diisopropyl ether	5.95	45	627743	19.629	ug/l	99
23) Vinyl Acetate	5.90	43	1833519	92.049	ug/l	99
24) 1,1-Dichloroethane	5.86	63	350328	19.186	ug/l	99
25) 2-Butanone	6.83	43	373876	97.398	ug/l	97
26) 2,2-Dichloropropane	6.83	77	218977	17.326	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	214379	19.507	ug/l	97
28) Bromochloromethane	7.20	49	168196	20.167	ug/l	96
29) Tetrahydrofuran	7.21	42	249780	100.884	ug/l	97
30) Chloroform	7.37	83	348462	19.128	ug/l	97
31) Cyclohexane	7.66	56	300654	16.769	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	287060	19.888	ug/l	98
36) 1,1-Dichloropropene	7.80	75	254070	18.194	ug/l	98
37) Ethyl Acetate	6.93	43	171431	20.116	ug/l	99
38) Carbon Tetrachloride	7.78	117	245848	19.448	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052769.D
 Acq On : 10 Dec 2018 23:37
 Operator : MD\SY
 Sample : VN1210WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS03

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:46:57 PM

Quant Time: Dec 11 03:22:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	284550	16.765	ug/l	98
40) Benzene	8.04	78	793846	19.075	ug/l	99
41) Methacrylonitrile	7.17	41	103533	22.221	ug/l #	91
42) 1,2-Dichloroethane	8.12	62	250180	19.854	ug/l	100
43) Isopropyl Acetate	8.17	43	324358	22.490	ug/l	96
44) Trichloroethene	8.84	130	212310	19.917	ug/l	99
45) 1,2-Dichloropropane	9.12	63	216947	19.608	ug/l	98
46) Dibromomethane	9.21	93	125344	20.465	ug/l	98
47) Bromodichloromethane	9.40	83	264067	19.830	ug/l	98
48) Methyl methacrylate	9.20	41	152041	20.218	ug/l	97
49) 1,4-Dioxane	9.20	88	37948	486.223	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	865315	106.936	ug/l	99
52) Toluene	10.16	92	488147	19.742	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	252411	19.703	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	295536	19.250	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	182751	21.012	ug/l	98
56) Ethyl methacrylate	10.43	69	234157	21.037	ug/l	98
57) 1,3-Dichloropropane	10.71	76	313704	20.427	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	664941	105.361	ug/l	100
59) 2-Hexanone	10.75	43	574843	105.847	ug/l	99
60) Dibromochloromethane	10.90	129	195679	20.715	ug/l	100
61) 1,2-Dibromoethane	11.01	107	176262	20.404	ug/l	99
64) Tetrachloroethene	10.63	164	225099	22.156	ug/l	98
65) Chlorobenzene	11.44	112	542555	20.080	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	192705	20.511	ug/l	99
67) Ethyl Benzene	11.51	91	928272	19.618	ug/l	99
68) m/p-Xylenes	11.62	106	702679	39.891	ug/l	98
69) o-Xylene	11.95	106	345507	20.198	ug/l	99
70) Styrene	11.97	104	560068	20.557	ug/l	99
71) Bromoform	12.13	173	130396	20.962	ug/l #	99
73) Isopropylbenzene	12.25	105	920966	19.142	ug/l	99
74) N-amyl acetate	12.07	43	260087	21.398	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	211181	19.296	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	187232m	19.800	ug/l	
77) Bromobenzene	12.53	156	234846	19.749	ug/l	97
78) n-propylbenzene	12.59	91	1035317	18.942	ug/l	99
79) 2-Chlorotoluene	12.68	91	620009	19.049	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	745100	19.418	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52719	18.618	ug/l	98
82) 4-Chlorotoluene	12.77	91	624124	19.026	ug/l	99
83) tert-Butylbenzene	12.99	119	660459	19.307	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	752462	19.568	ug/l	99
85) sec-Butylbenzene	13.17	105	890274	19.108	ug/l	100
86) p-Isopropyltoluene	13.29	119	760735	19.170	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	407647	19.597	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	404732	19.753	ug/l	99
89) n-Butylbenzene	13.62	91	623490	18.892	ug/l	99
90) Hexachloroethane	13.88	117	124554	18.537	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	402557	20.256	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32300	20.635	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
Data File : VN052769.D
Acq On : 10 Dec 2018 23:37
Operator : MD\SY
Sample : VN1210WBS03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:46:57 PM

Quant Time: Dec 11 03:22:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	217159	21.648	ug/l	98
94) Hexachlorobutadiene	15.01	225	118841	18.588	ug/l	98
95) Naphthalene	15.13	128	459424	21.963	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	200374	21.653	ug/l	99

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

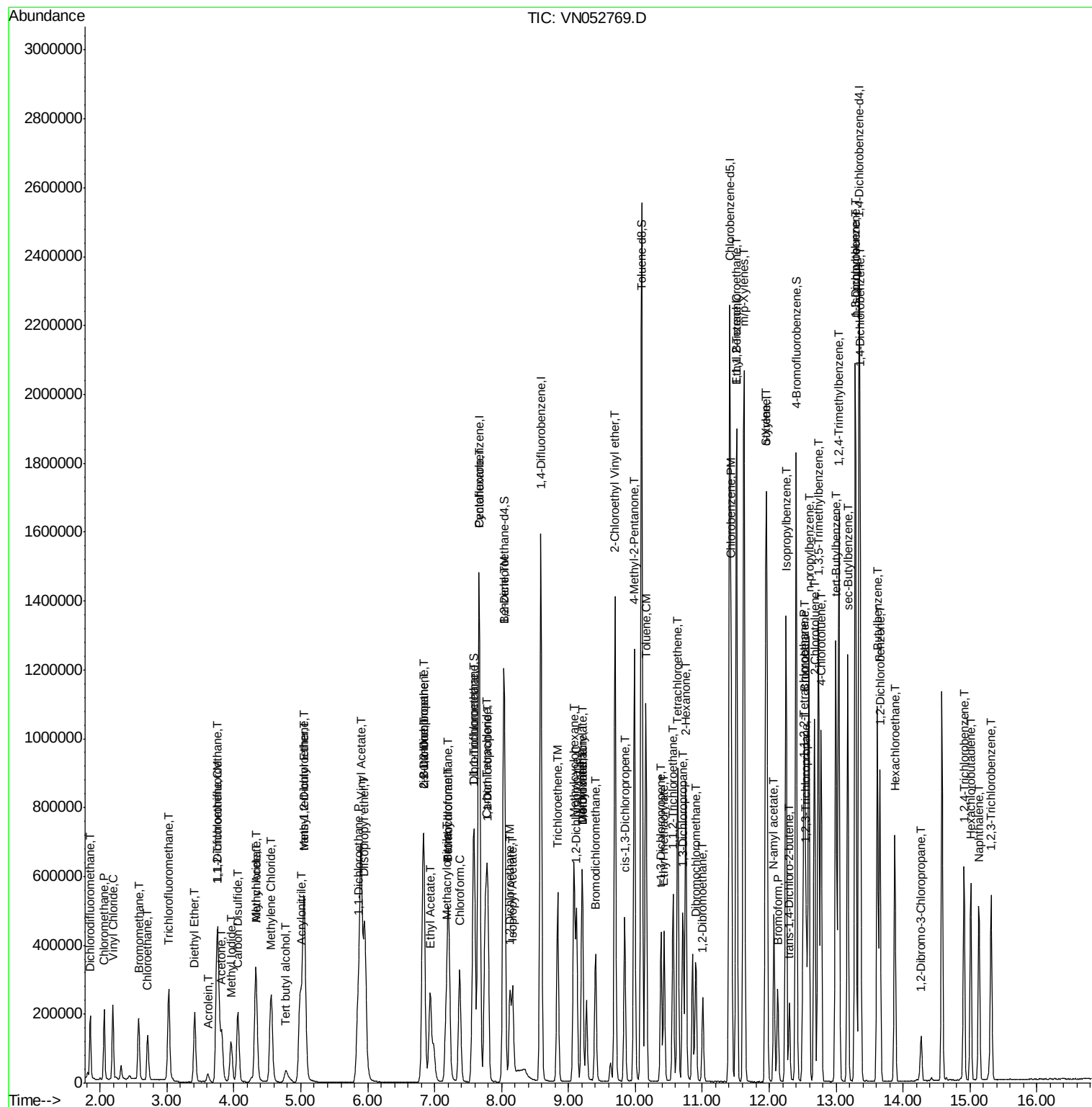
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121018\
Data File : VN052769.D
Acq On : 10 Dec 2018 23:37
Operator : MD\SY
Sample : VN1210WBS03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 28

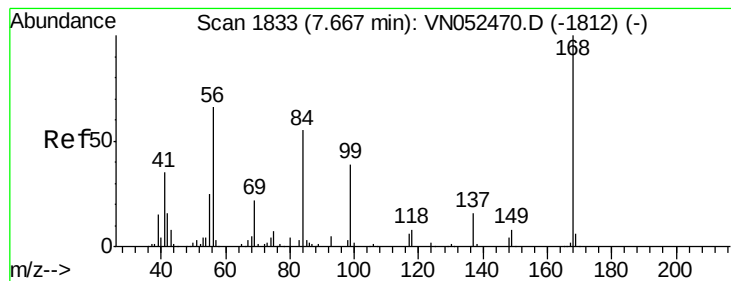
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:46:57 PM

Quant Time: Dec 11 03:22:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS03

Tot Ion:168 Resp: 943021

Ion Ratio Lower Upper

168 100

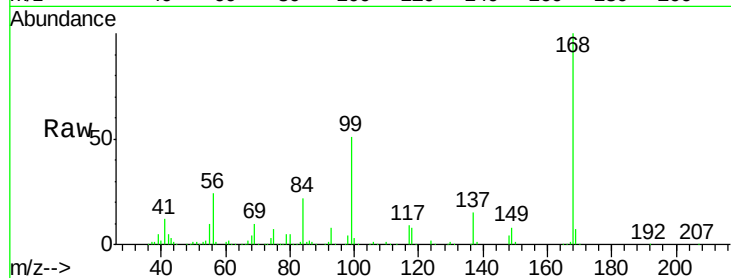
99 50.6 41.7 62.5

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:46:57 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

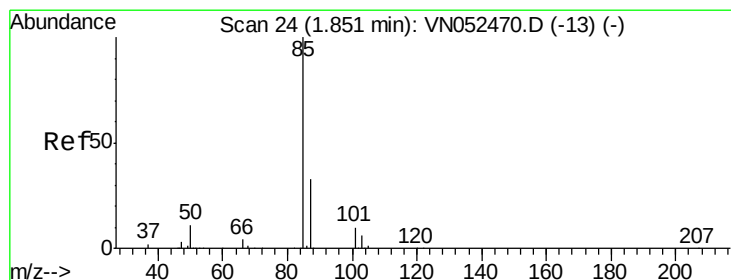
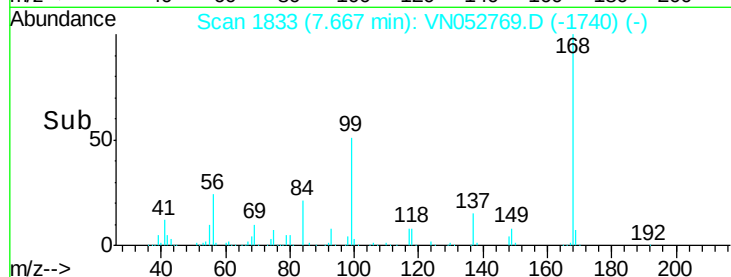
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 15.763 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052769.D

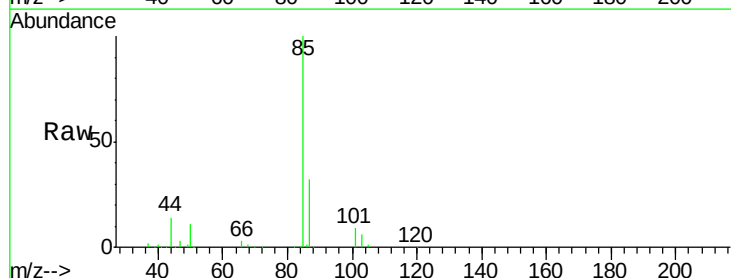
Acq: 10 Dec 2018 23:37

Tgt Ion: 85 Resp: 139182

Ion Ratio Lower Upper

85 100

87 32.4 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

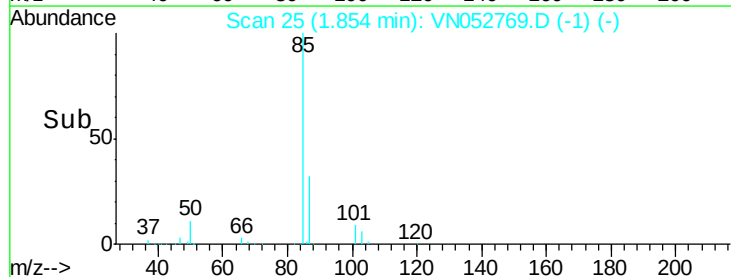
40000

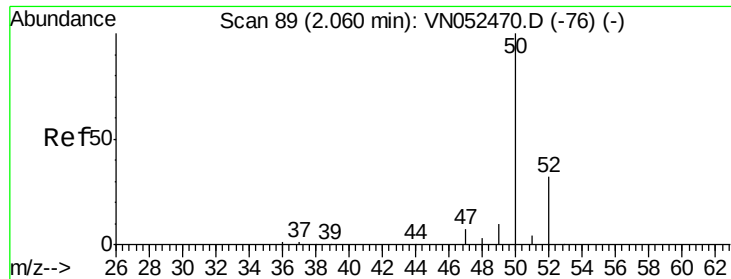
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.285 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS03

Tot Ion: 50 Resp: 189803

Ion Ratio Lower Upper

50 100

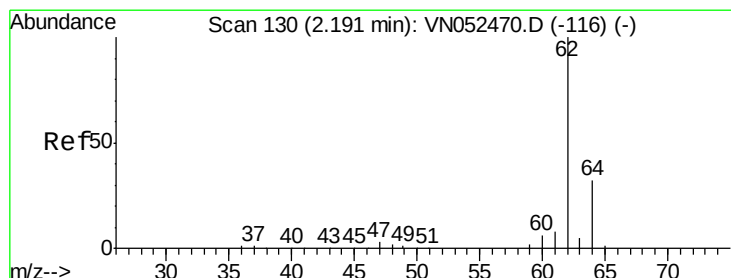
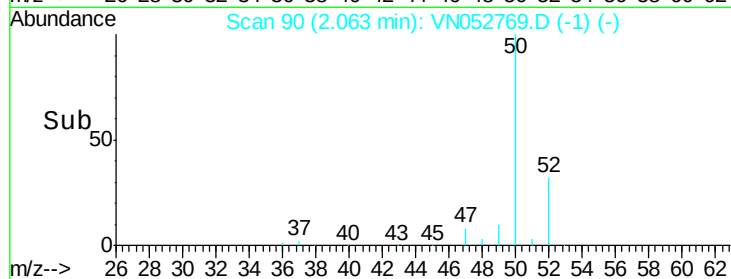
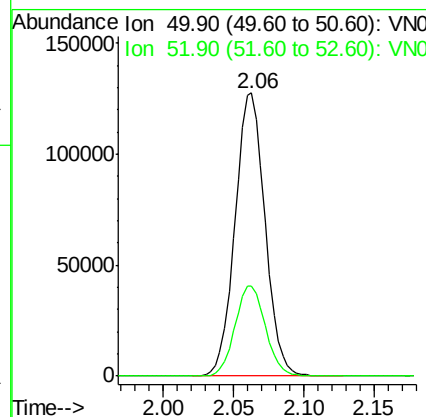
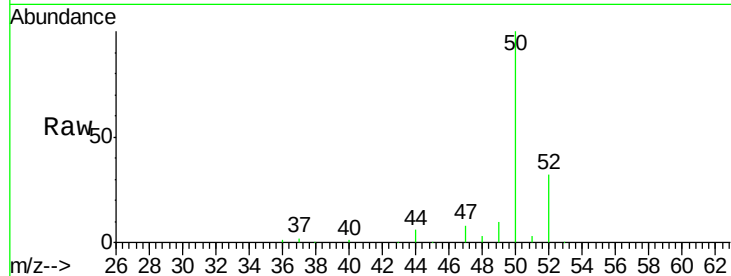
52 32.0 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:46:57 PM



#4

Vinyl Chloride

Concen: 16.701 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052769.D

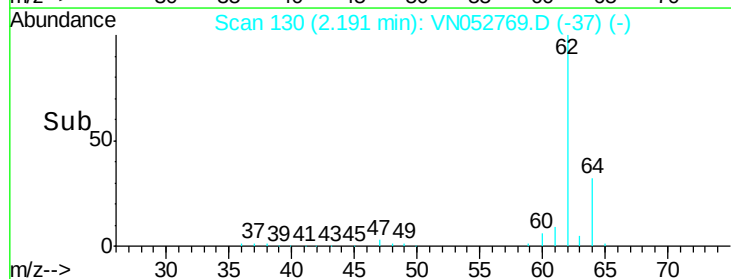
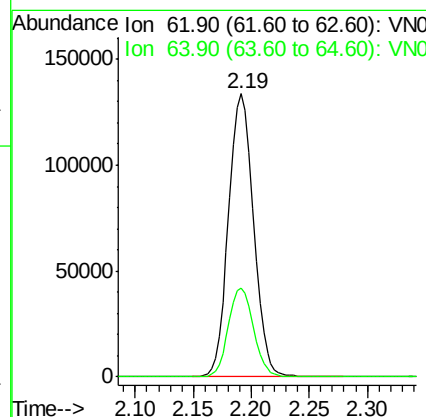
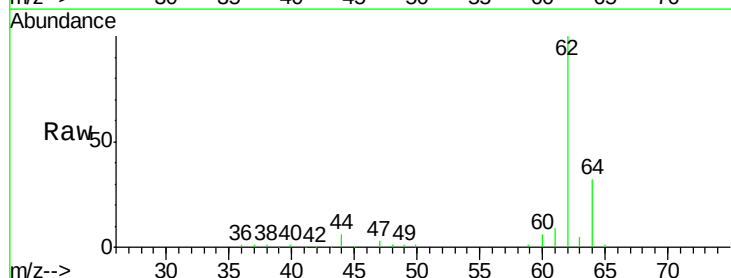
Acq: 10 Dec 2018 23:37

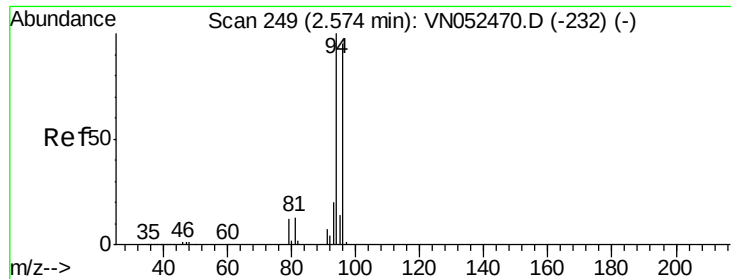
Tgt Ion: 62 Resp: 199962

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 16.122 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS03

Tot Ion: 94 Resp: 120441

Ion Ratio Lower Upper

94 100

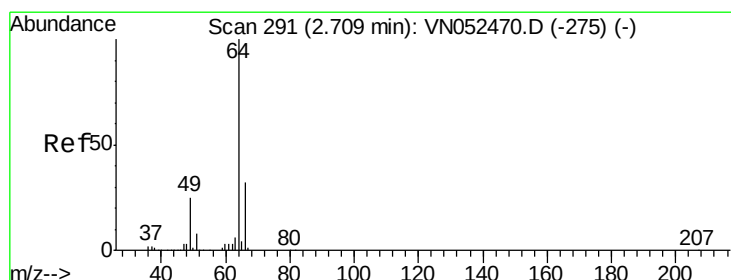
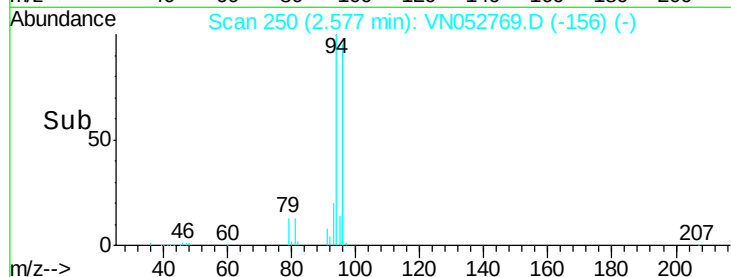
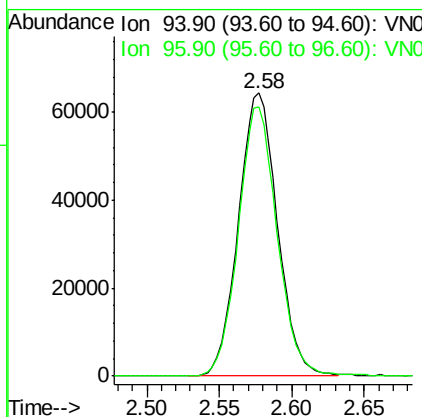
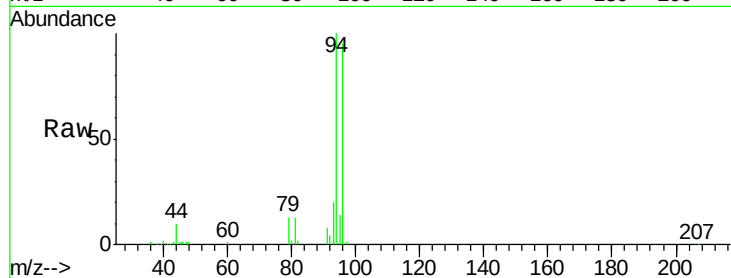
96 95.0 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:46:57 PM



#6

Chloroethane

Concen: 17.409 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052769.D

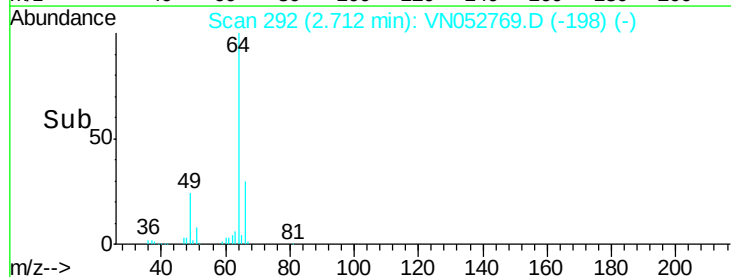
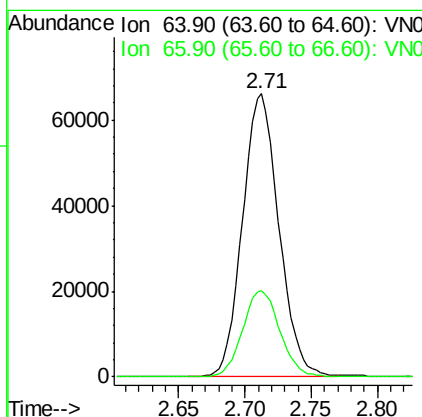
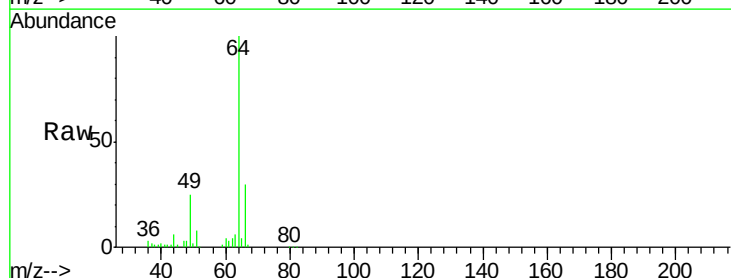
Acq: 10 Dec 2018 23:37

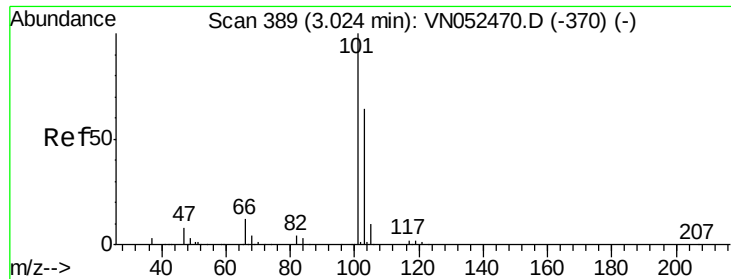
Tgt Ion: 64 Resp: 126259

Ion Ratio Lower Upper

64 100

66 30.4 25.7 38.5





#7

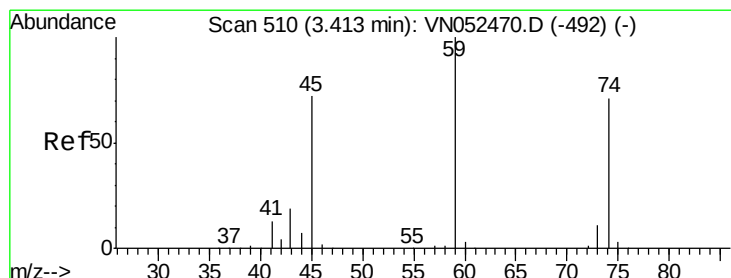
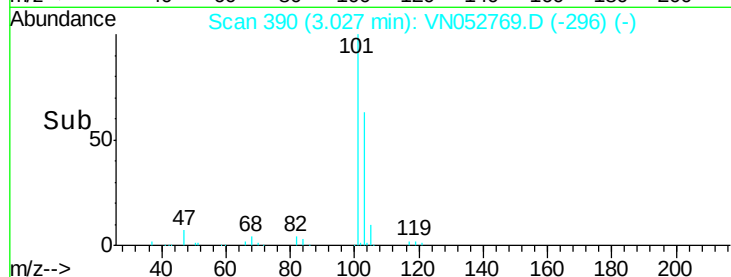
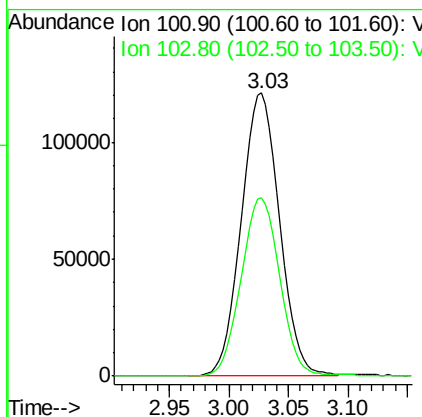
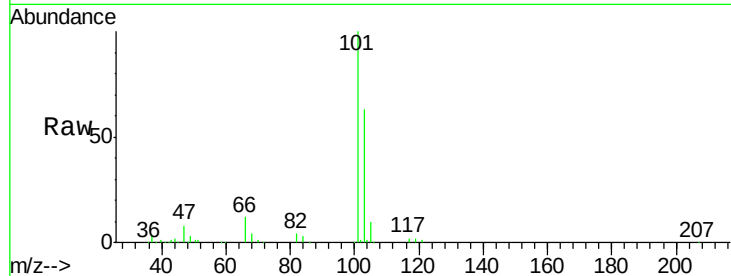
Trichlorofluoromethane
Concen: 18.382 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.4	77.2

Manual Integrations
APPROVED

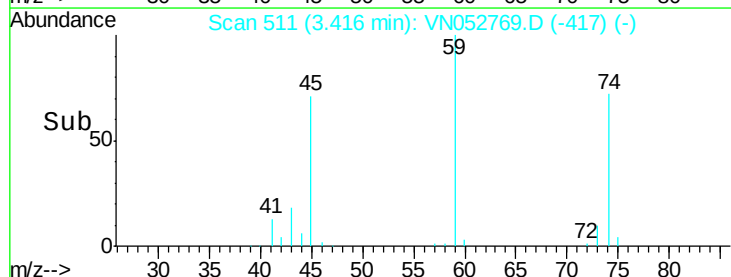
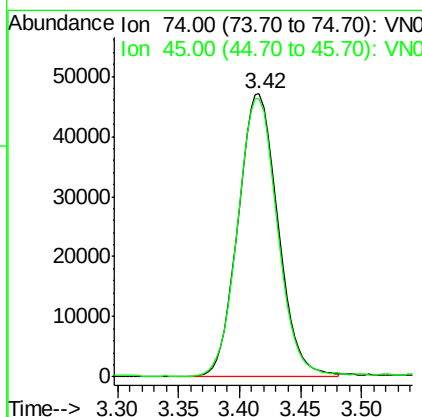
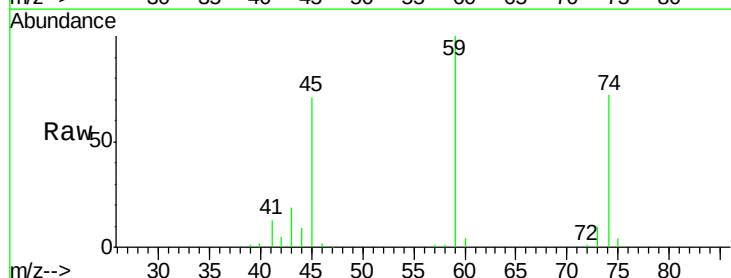
MMDadoda
12/11/2018 12:46:57 PM

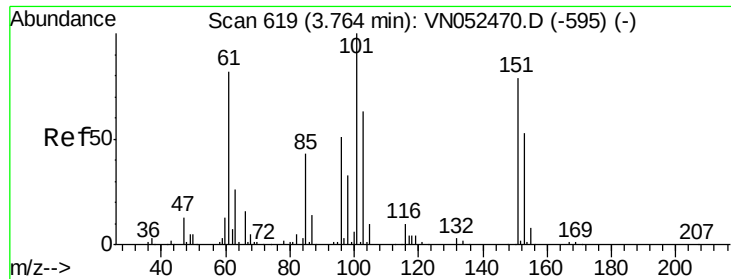


#8

Diethyl Ether
Concen: 19.645 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.132 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

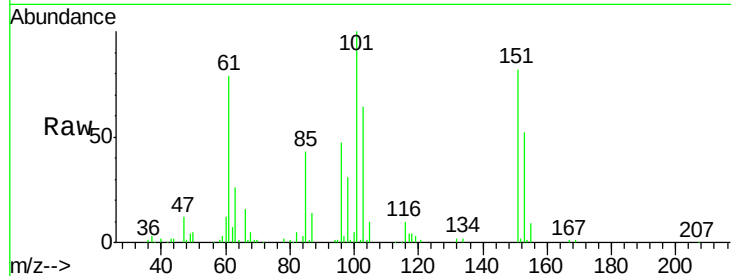
ClientSampleId :

VN1210WBS03

Tot Ion:	101	Resp:	166395
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	82.8	64.6	96.8

Manual Integrations
APPROVED

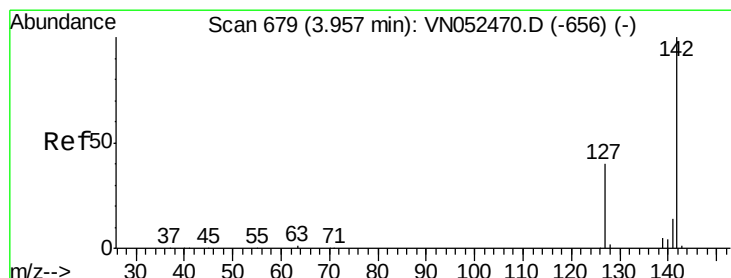
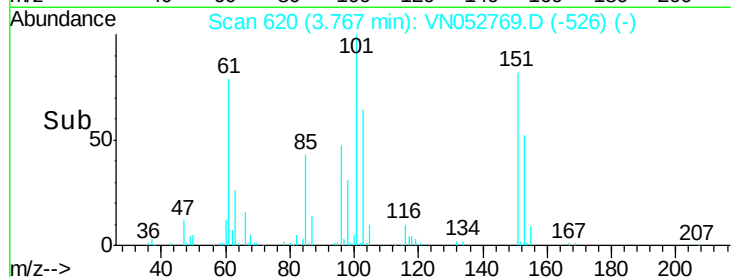
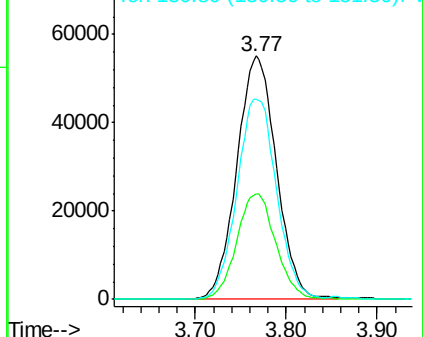
MMDadoda
12/11/2018 12:46:57 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.843 ug/l

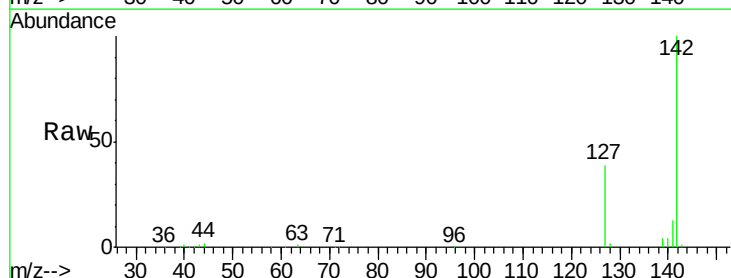
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

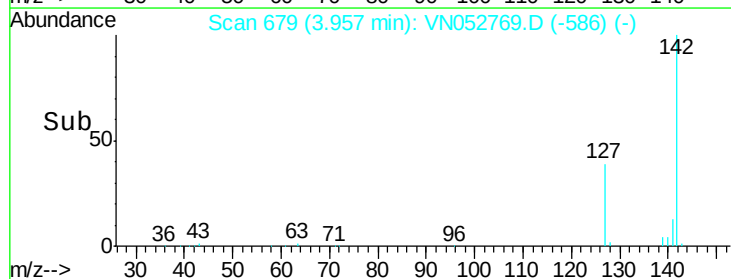
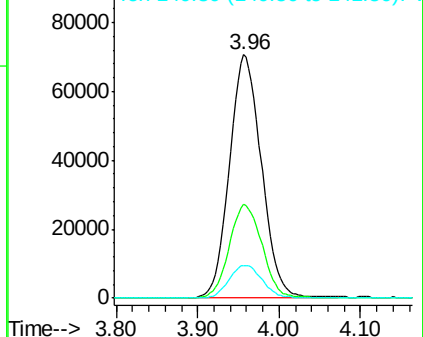
Tgt Ion:	142	Resp:	193651
Ion Ratio	Lower	Upper	
142	100		
127	39.3	31.8	47.6
141	13.8	11.4	17.0

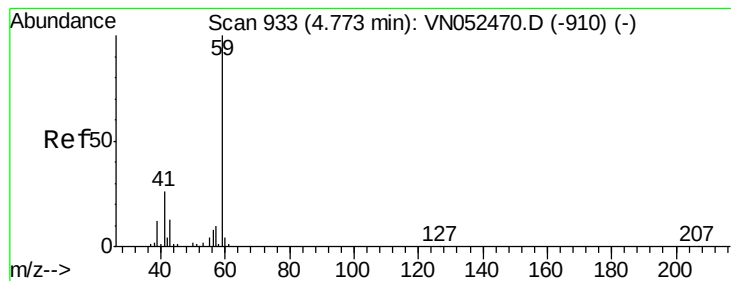


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

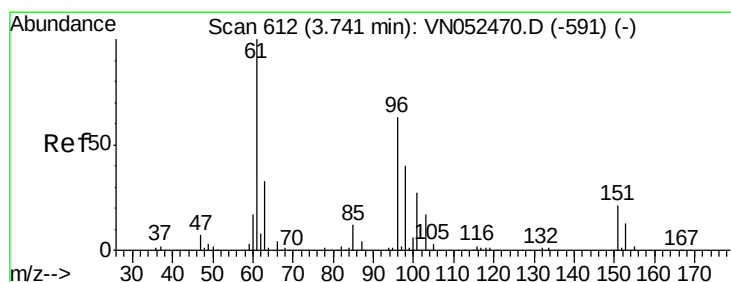
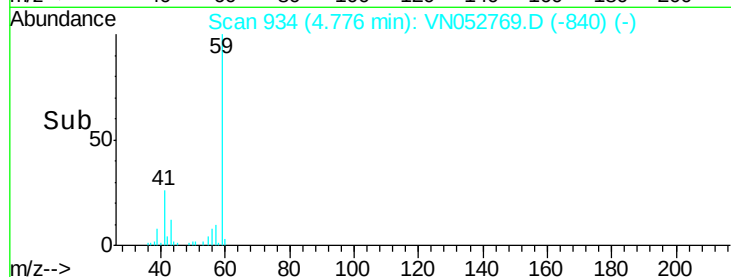
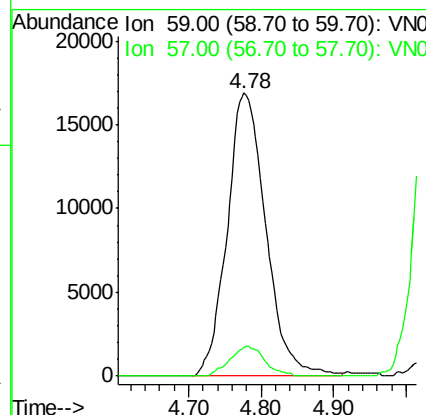
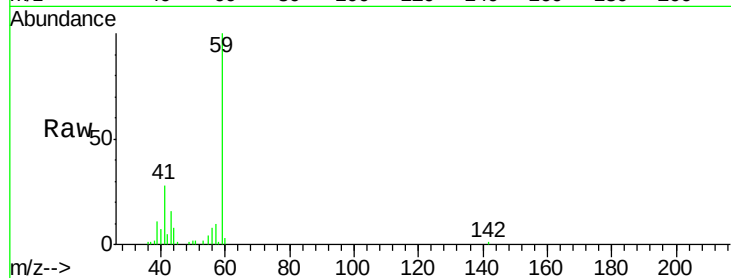
Tert butyl alcohol
Concen: 121.683 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.9	11.9

Manual Integrations
APPROVED

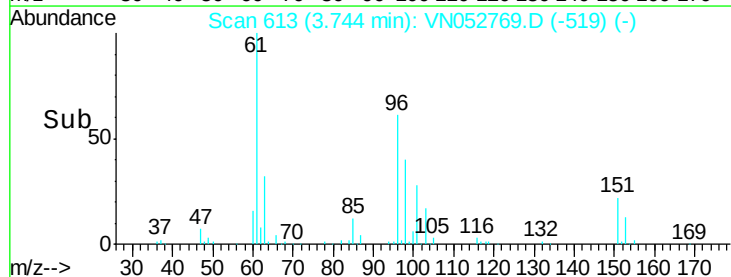
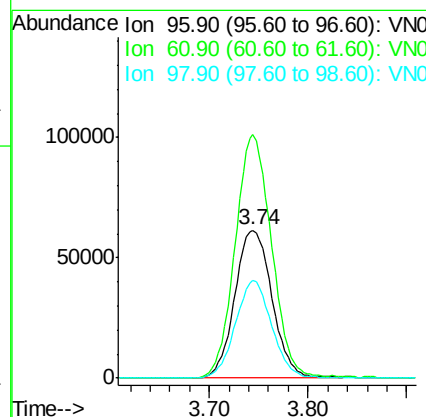
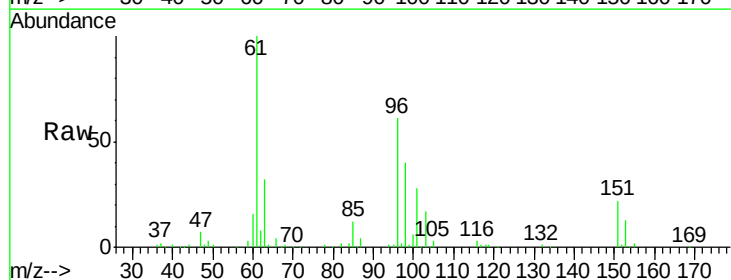
MMDadoda
12/11/2018 12:46:57 PM

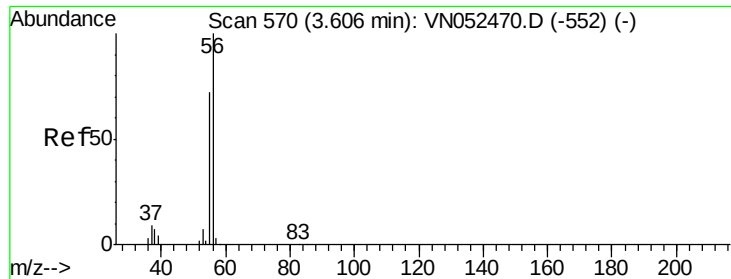


#12

1,1-Dichloroethene
Concen: 18.261 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.5	127.0	190.6
98	66.4	50.3	75.5





#13

Acrolein

Concen: 31.939 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS03

Tot Ion: 56 Resp: 28534

Ion Ratio Lower Upper

56 100

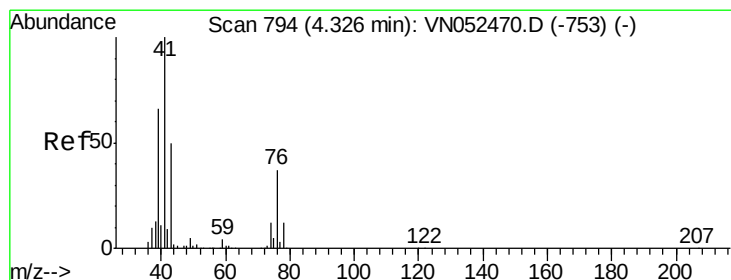
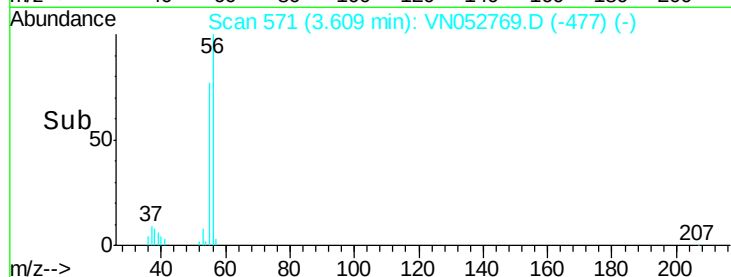
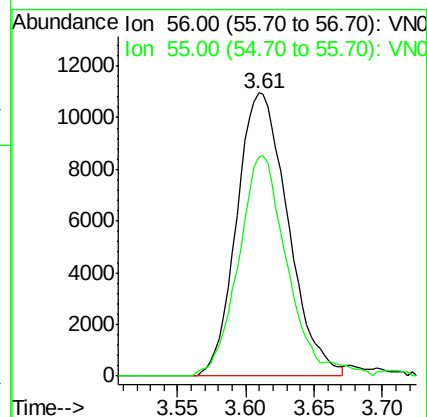
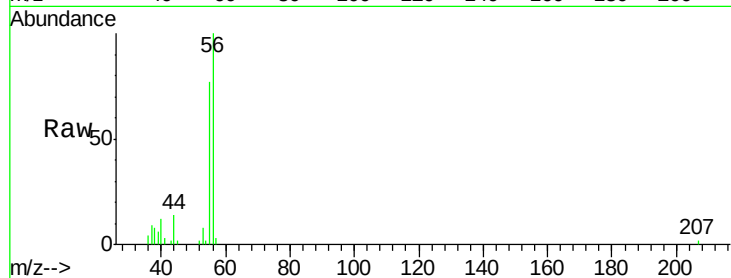
55 74.3 56.8 85.2

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:46:57 PM



#14

Allyl chloride

Concen: 18.119 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

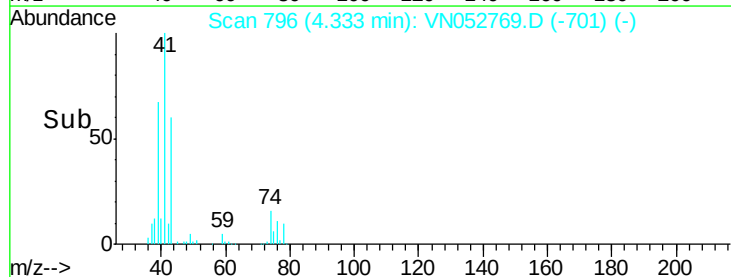
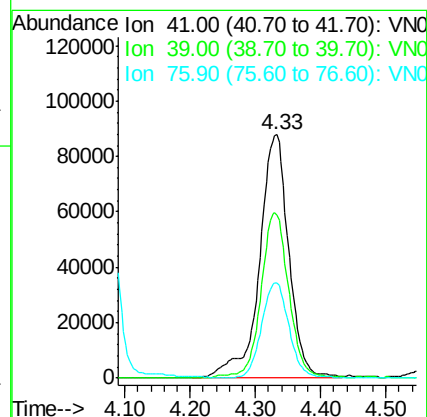
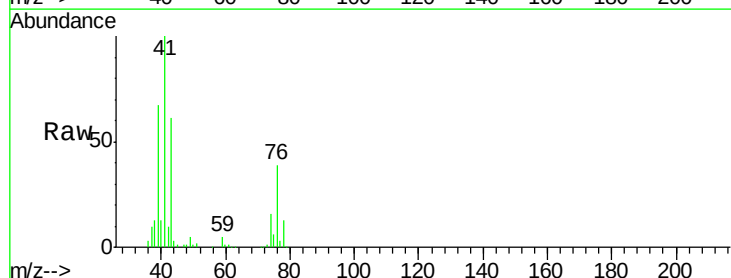
Tgt Ion: 41 Resp: 275863

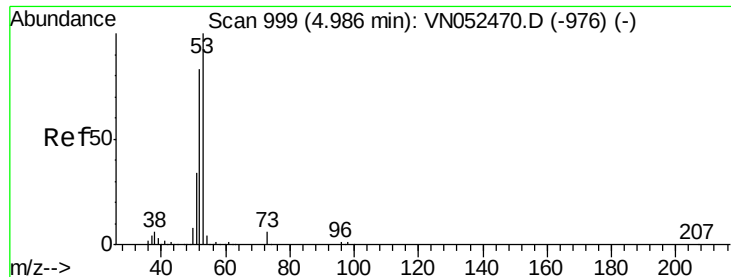
Ion Ratio Lower Upper

41 100

39 60.9 50.6 76.0

76 35.5 27.4 41.2





#15

Acrylonitrile

Concen: 102.006 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

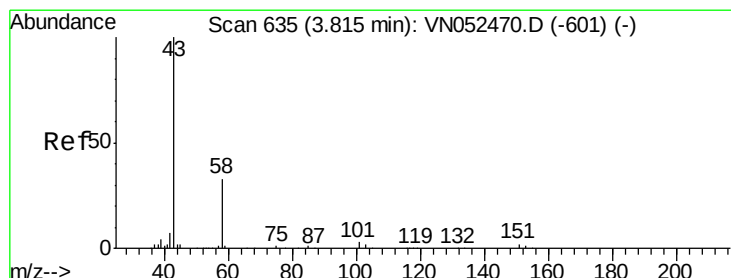
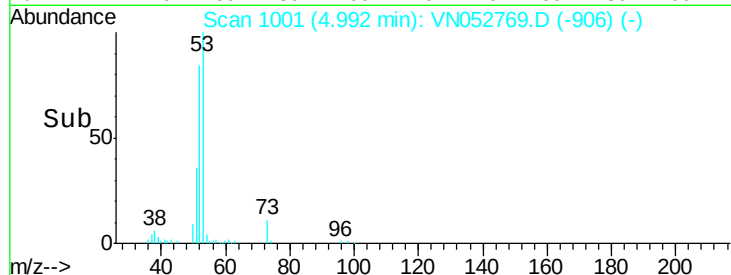
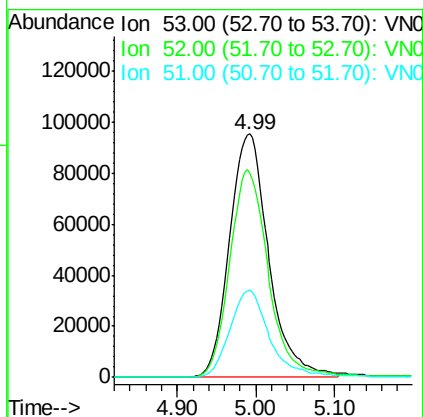
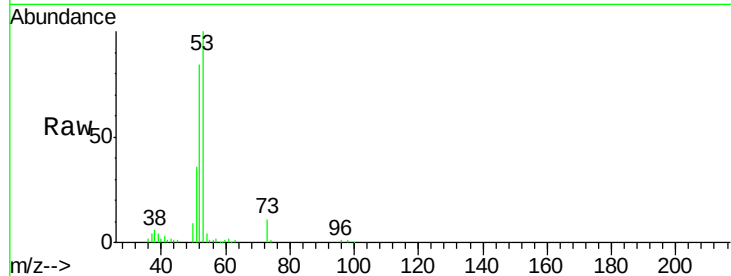
ClientSampleId :

VN1210WBS03

Tot Ion:	53	Resp:	331918
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	36.1	28.1	42.1

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:46:57 PM



#16

Acetone

Concen: 82.900 ug/l

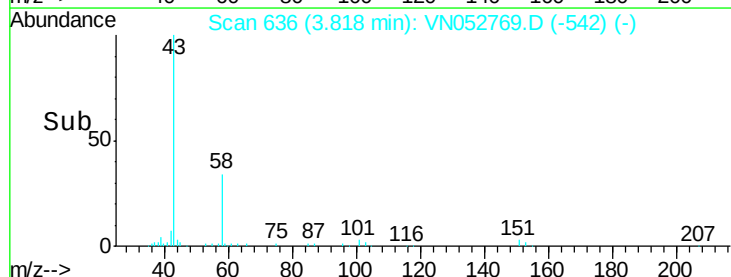
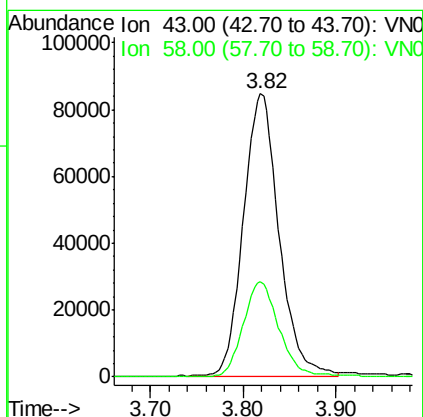
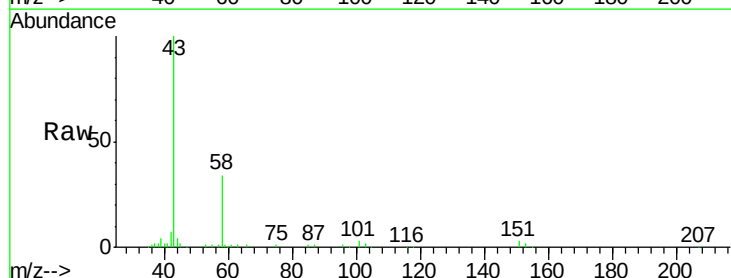
RT: 3.82 min Scan# 636

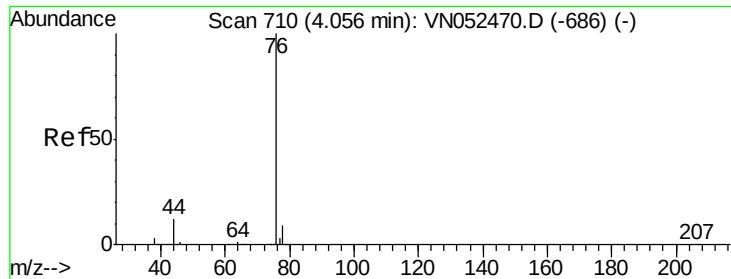
Delta R.T. 0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Tgt Ion:	43	Resp:	224513
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.0	39.0





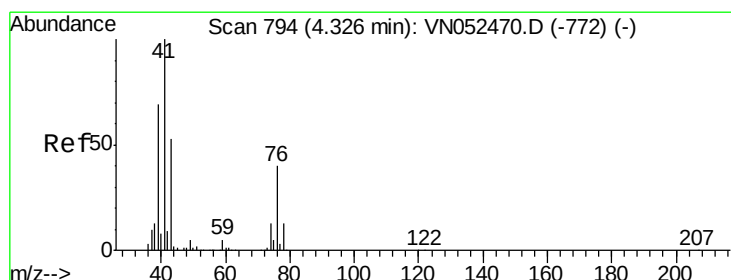
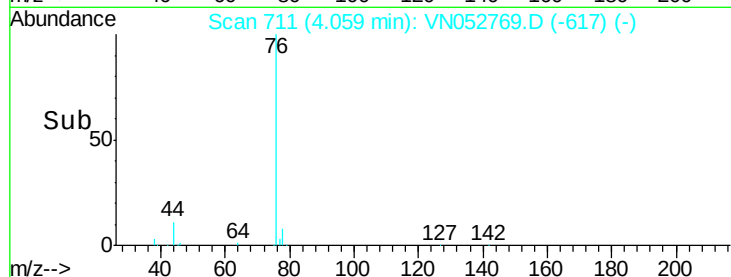
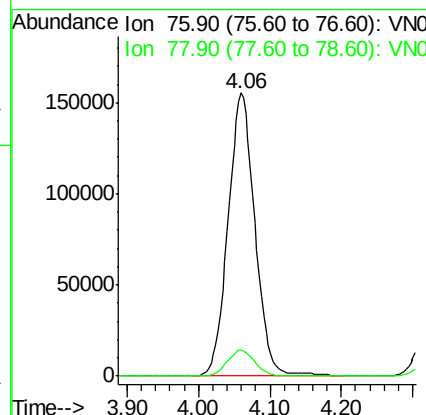
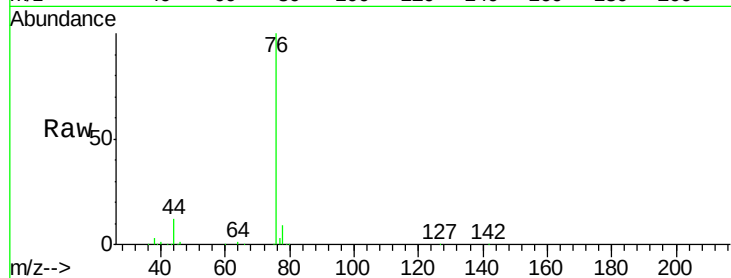
#17
Carbon Disulfide
Concen: 14.641 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

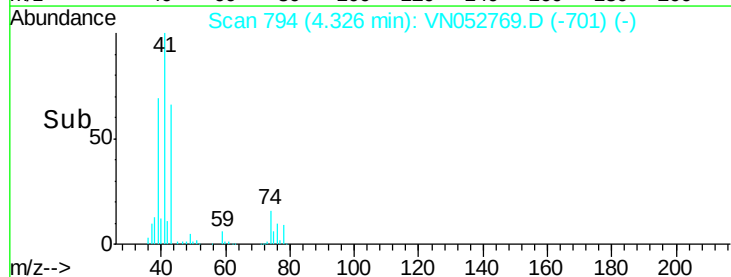
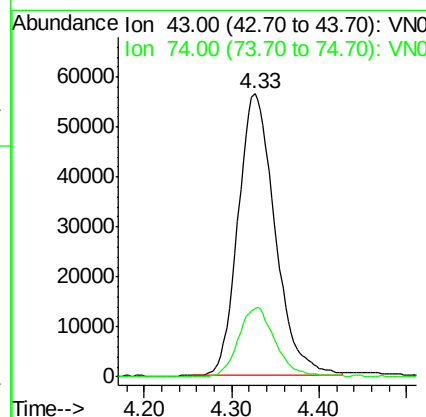
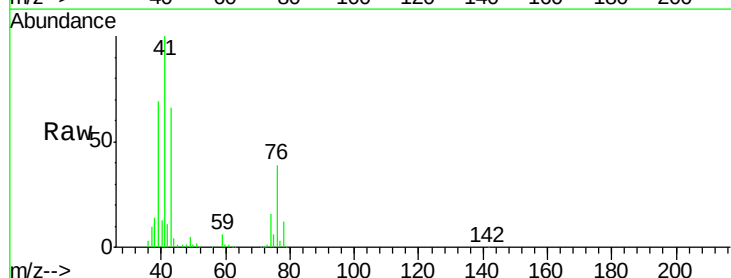
Manual Integrations
APPROVED

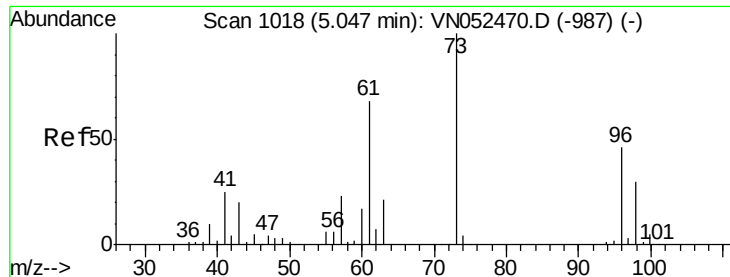
MMDadoda
12/11/2018 12:46:57 PM



#18
Methyl Acetate
Concen: 21.352 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.6	27.8





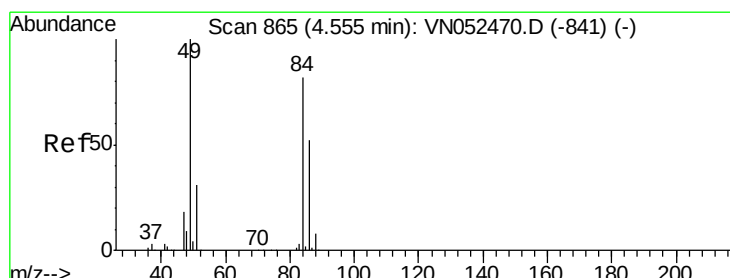
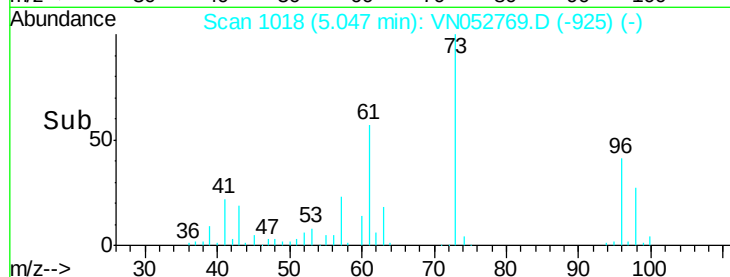
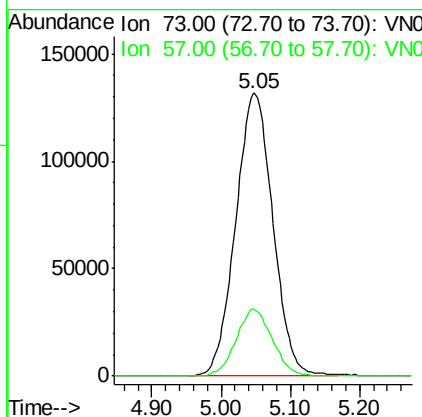
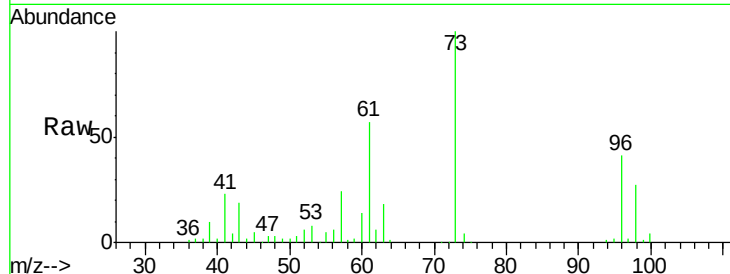
#19
Methvl tert-butyl Ether
Concen: 20.967 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.2	27.2

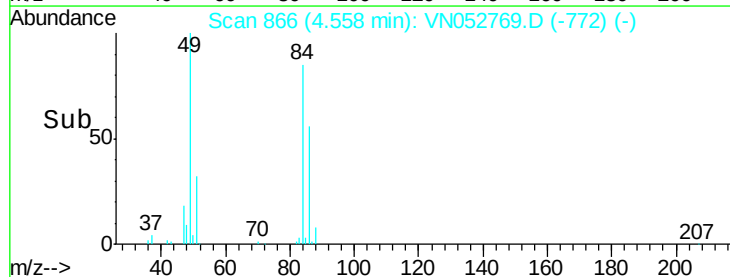
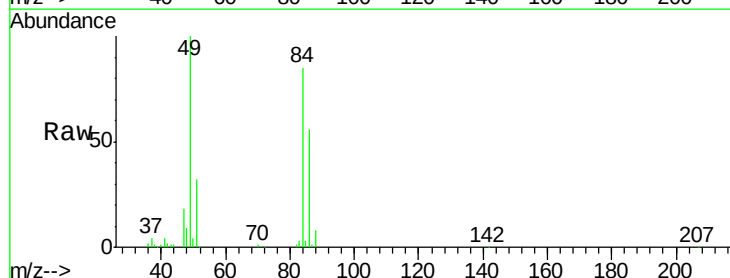
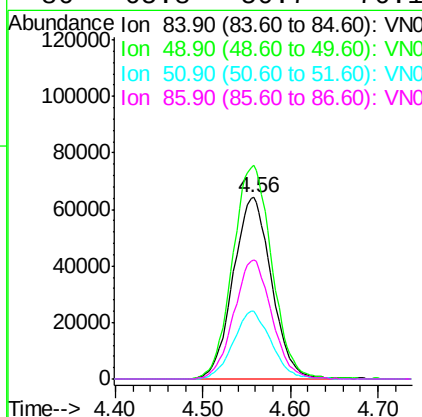
Manual Integrations
APPROVED

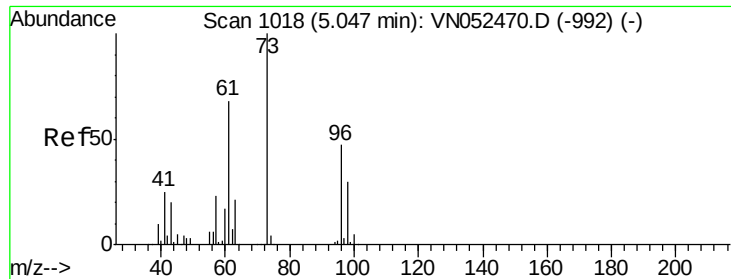
MMDadoda
12/11/2018 12:46:57 PM



#20
Methylene Chloride
Concen: 18.471 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.8	98.0	147.0
51	37.5	30.1	45.1
86	65.8	50.7	76.1





#21

trans-1,2-Dichloroethene

Concen: 18.641 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS03

Tot Ion: 96 Resp: 175872

Ion Ratio Lower Upper

96 100

61 137.0 117.0 175.4

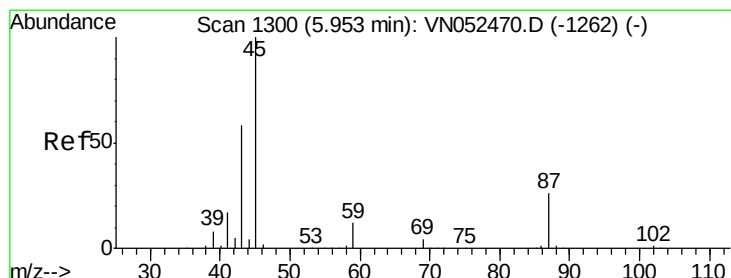
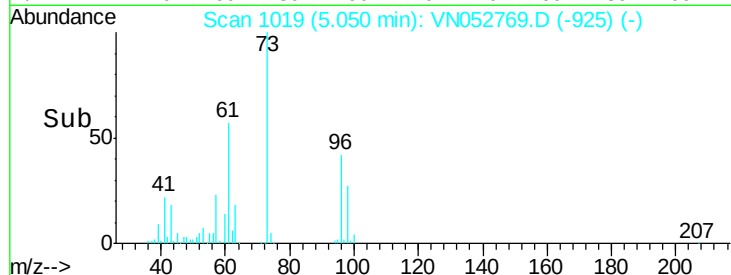
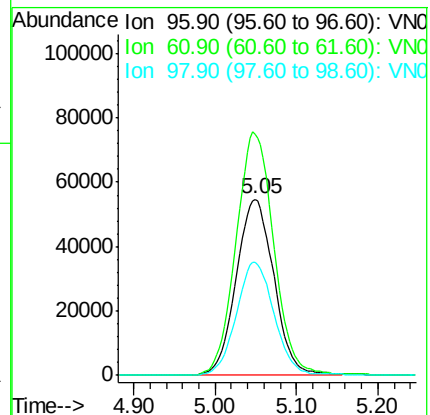
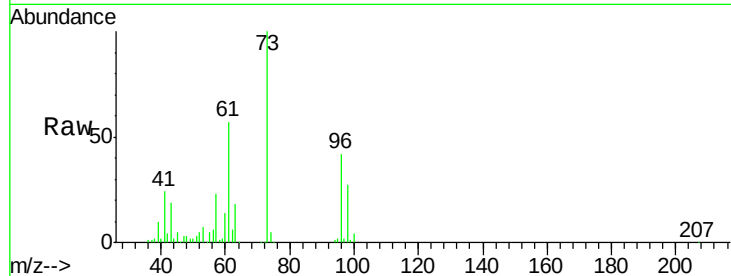
98 64.0 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:46:57 PM



#22

Diisopropyl ether

Concen: 19.629 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Tgt Ion: 45 Resp: 627743

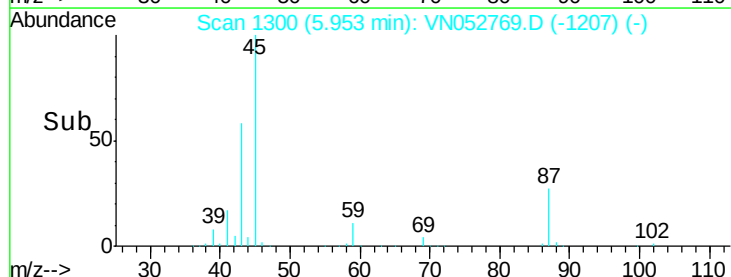
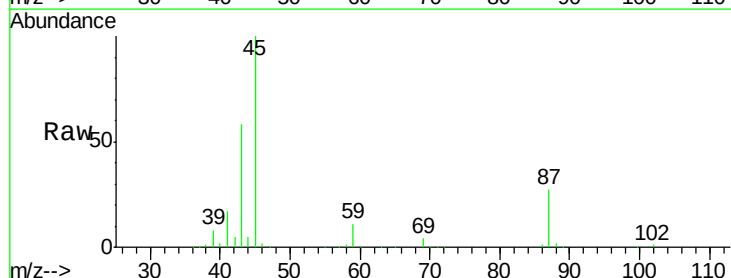
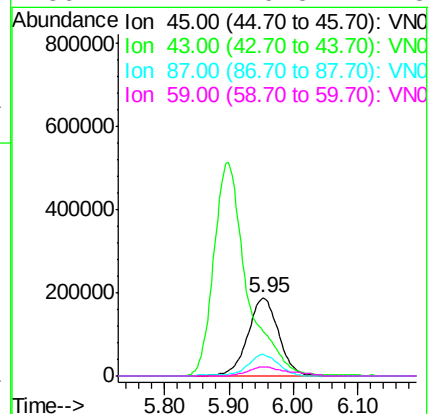
Ion Ratio Lower Upper

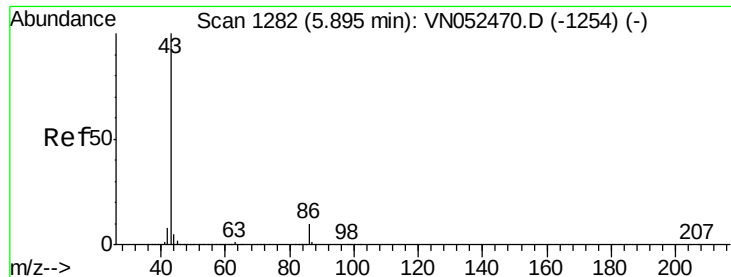
45 100

43 56.5 46.1 69.1

87 26.9 21.3 31.9

59 11.4 9.5 14.3





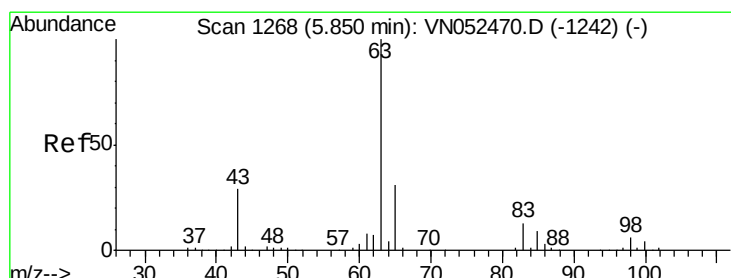
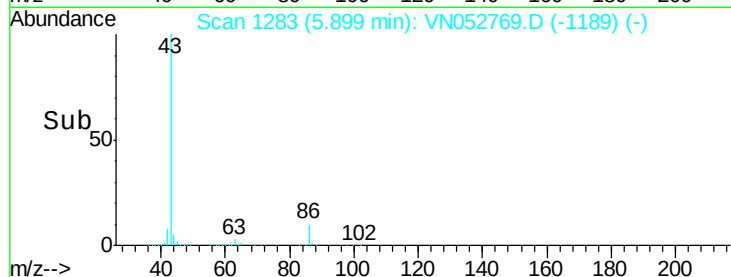
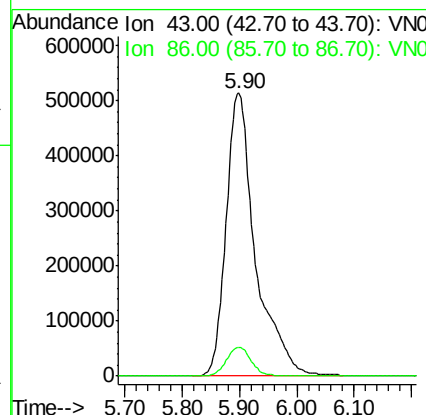
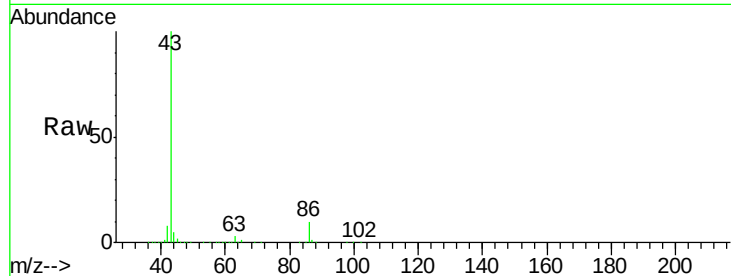
#23
 Vinyl Acetate
 Concen: 92.049 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS03

Tot Ion: 43 Resp: 1833519
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.8 11.8

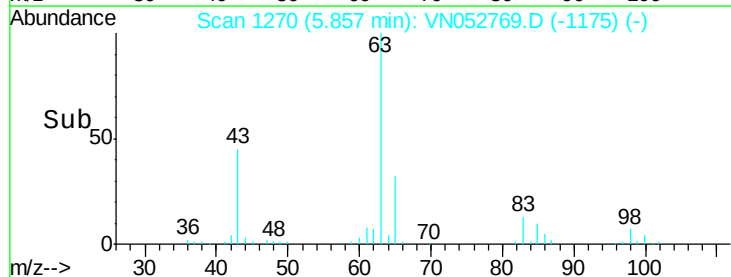
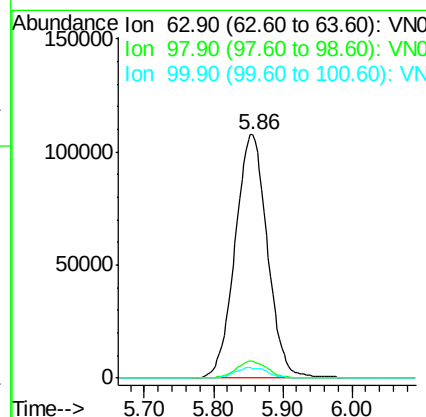
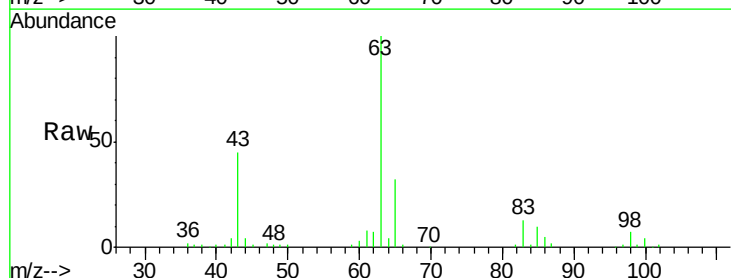
Manual Integrations
 APPROVED

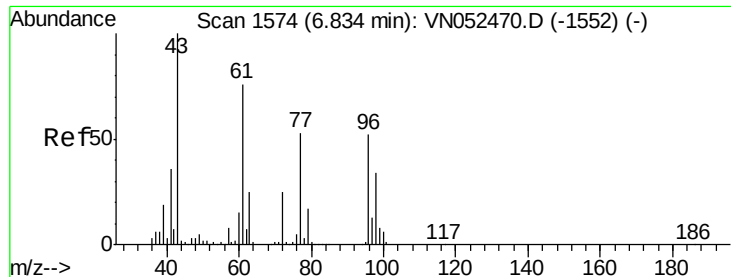
MMDadoda
 12/11/2018 12:46:57 PM



#24
 1,1-Dichloroethane
 Concen: 19.186 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Tgt Ion: 63 Resp: 350328
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.0 9.2
 100 4.0 2.0 5.8





#25

2-Butanone

Concen: 97.398 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS03

Tot Ion: 43 Resp: 373876

Ion Ratio Lower Upper

43 100

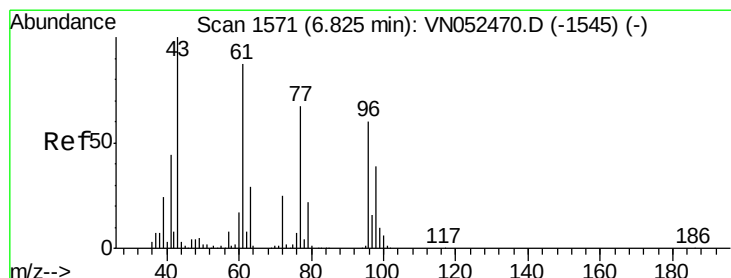
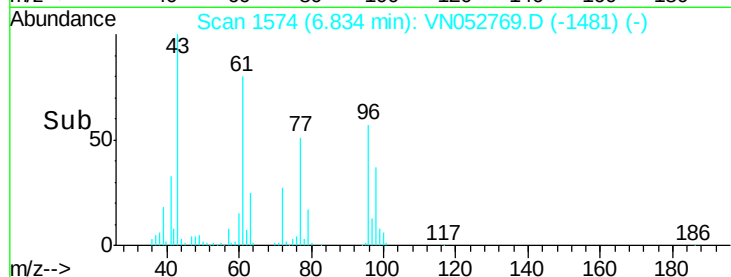
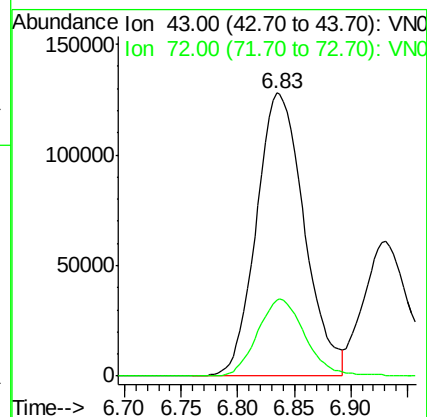
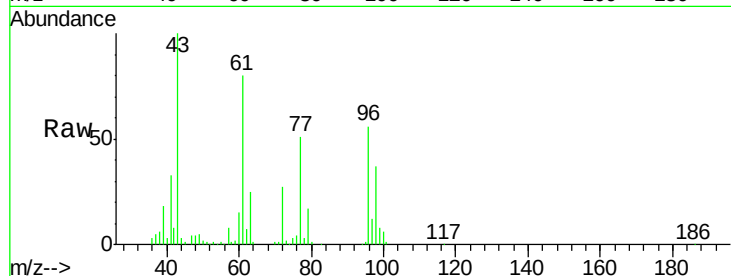
72 26.7 20.1 30.1

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:46:57 PM



#26

2,2-Dichloropropane

Concen: 17.326 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052769.D

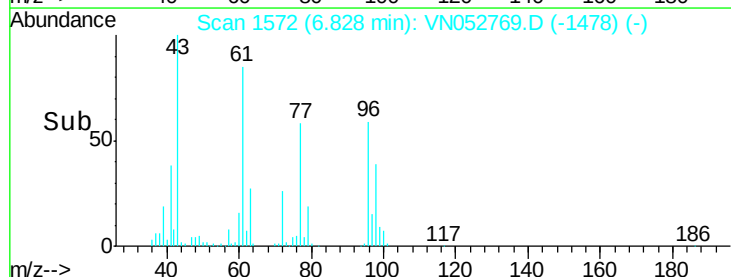
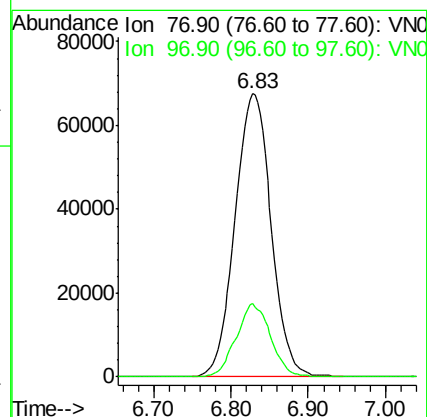
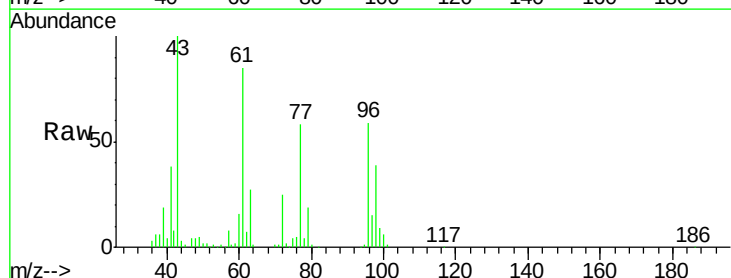
Acq: 10 Dec 2018 23:37

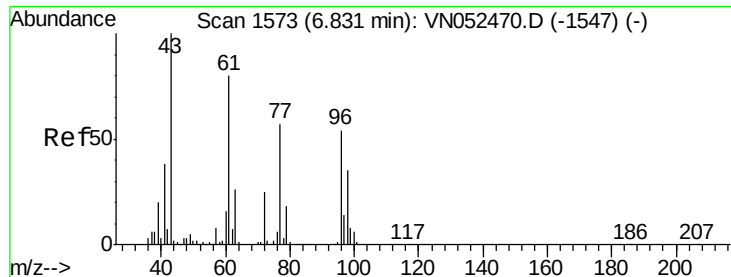
Tgt Ion: 77 Resp: 218977

Ion Ratio Lower Upper

77 100

97 24.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.507 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

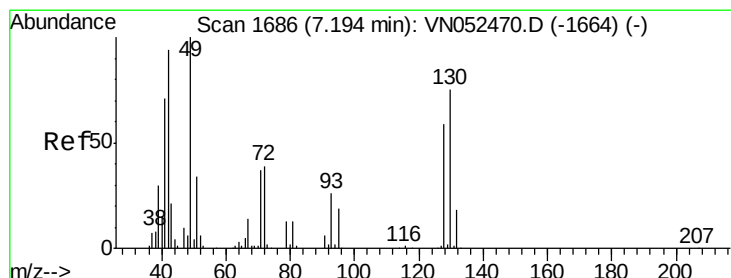
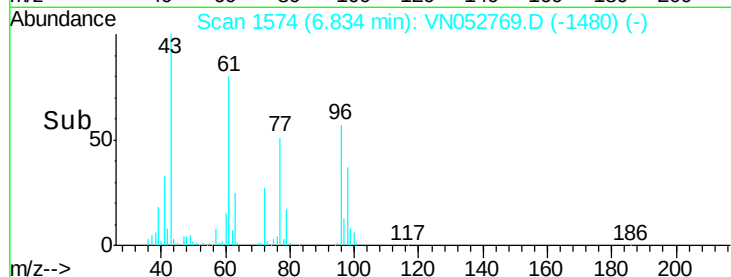
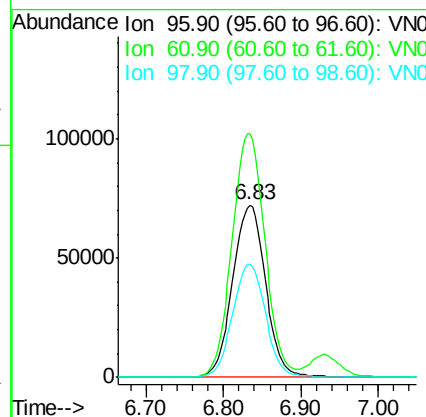
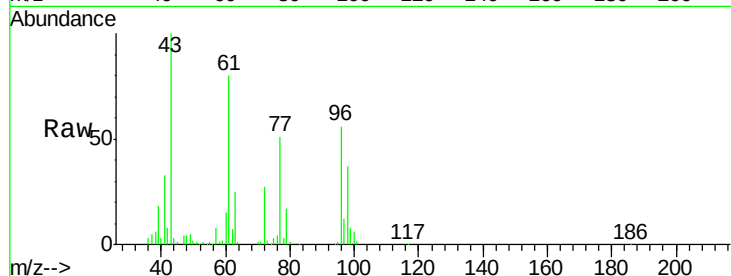
ClientSampleId :

VN1210WBS03

Tot Ion:	96	Resp:	214379
Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	291.0
98	65.4	0.0	130.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:46:57 PM



#28

Bromochloromethane

Concen: 20.167 ug/l

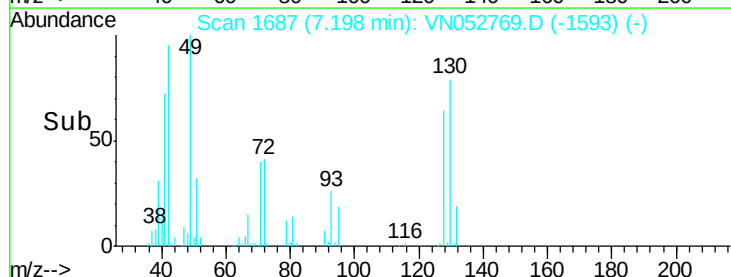
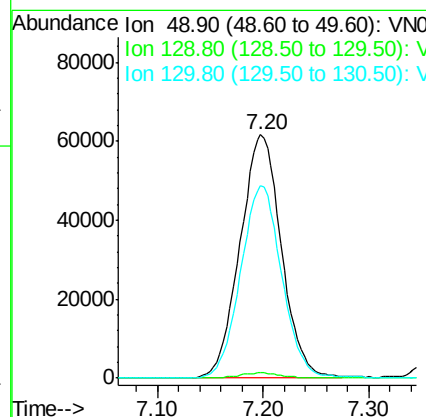
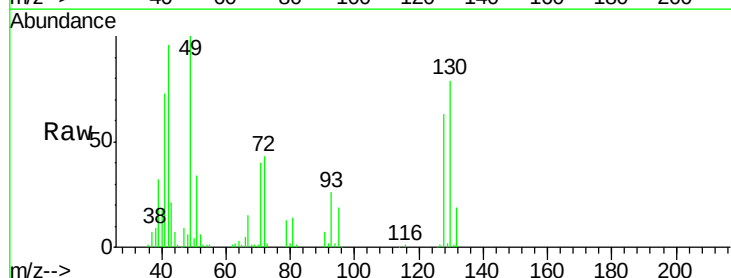
RT: 7.20 min Scan# 1687

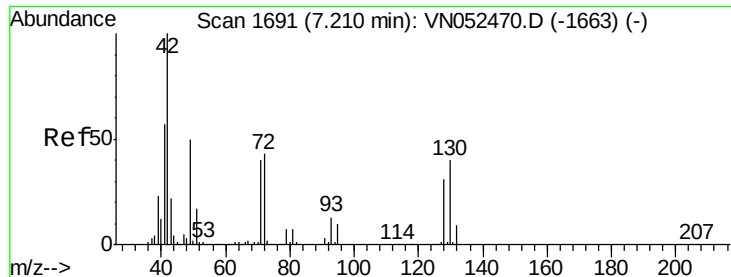
Delta R.T. 0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Tgt Ion:	49	Resp:	168196
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	78.5	60.2	90.2





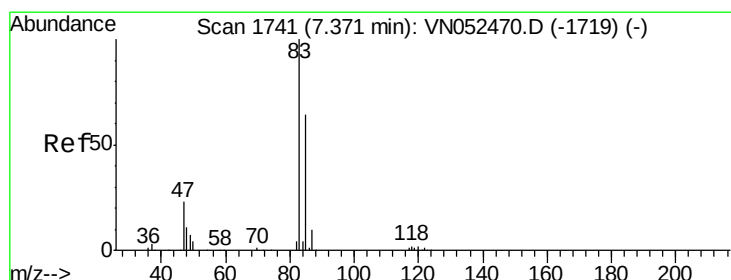
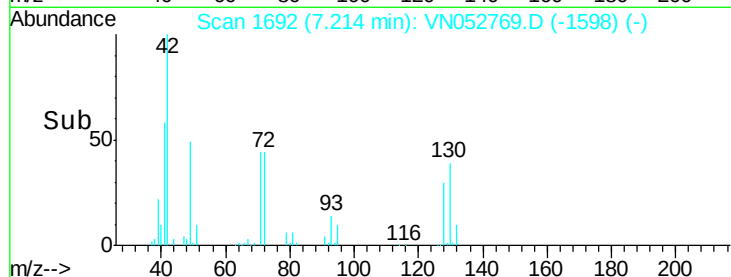
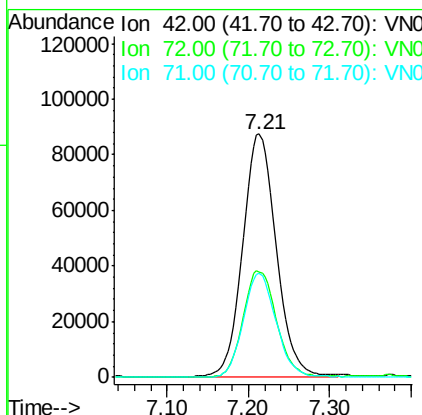
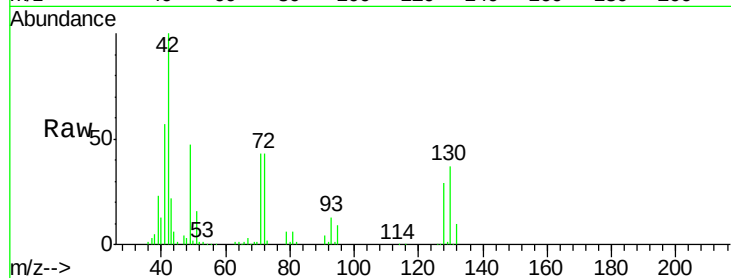
#29
Tetrahydrofuran
Concen: 100.884 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	33.3	49.9
71	41.5	32.0	48.0

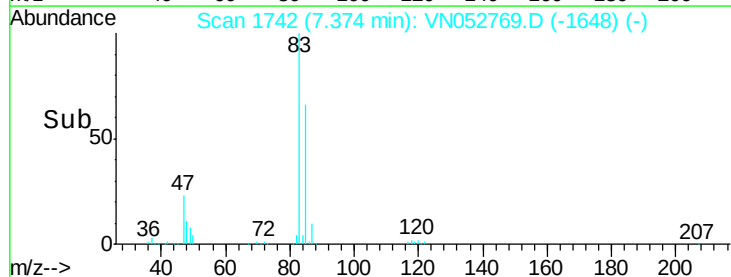
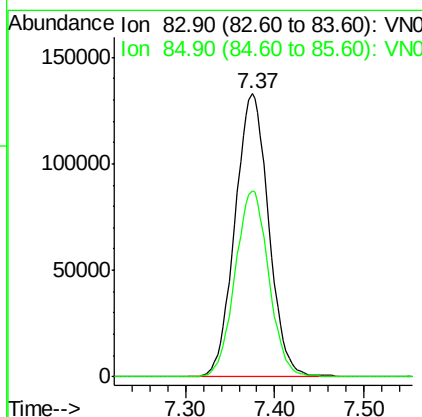
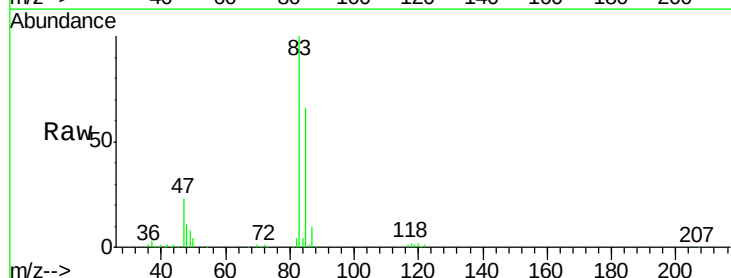
Manual Integrations
APPROVED

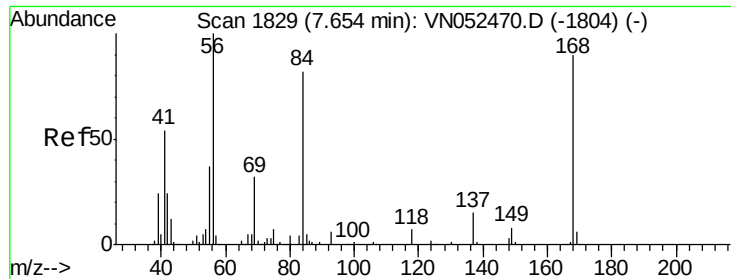
MMDadoda
12/11/2018 12:46:57 PM



#30
Chloroform
Concen: 19.128 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.0	76.4





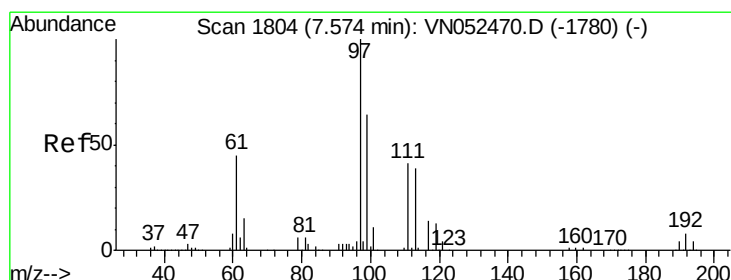
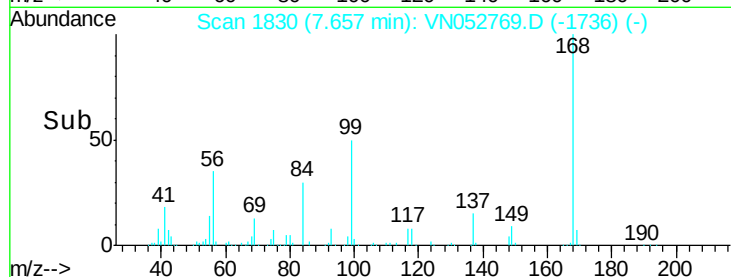
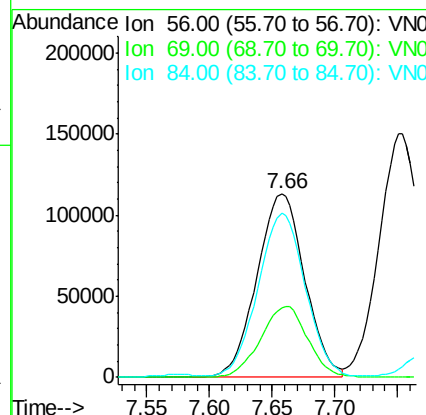
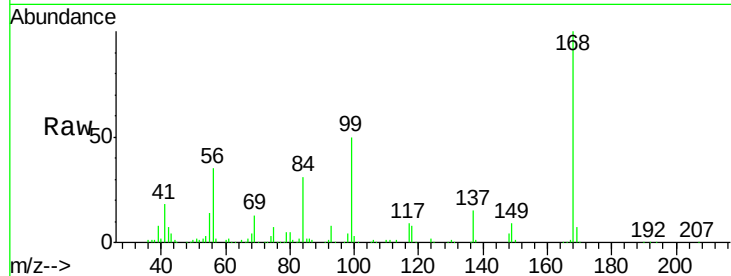
#31
Cyclohexane
Concen: 16.769 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	25.8	38.6
84	87.8	65.3	97.9

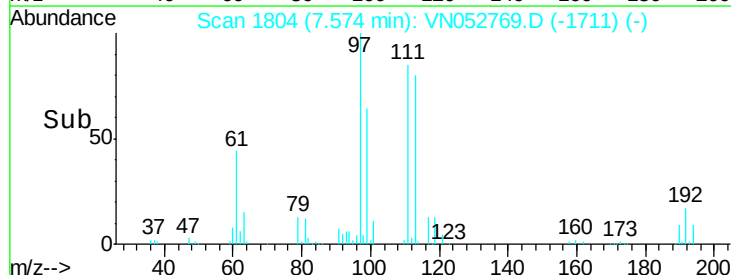
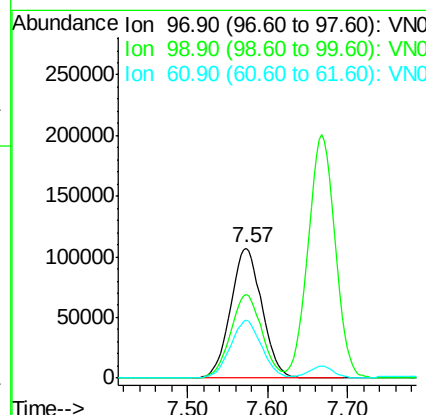
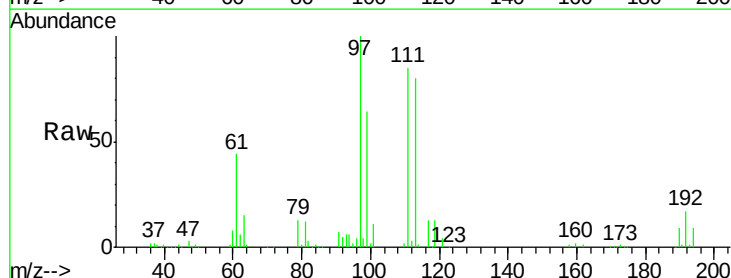
Manual Integrations
APPROVED

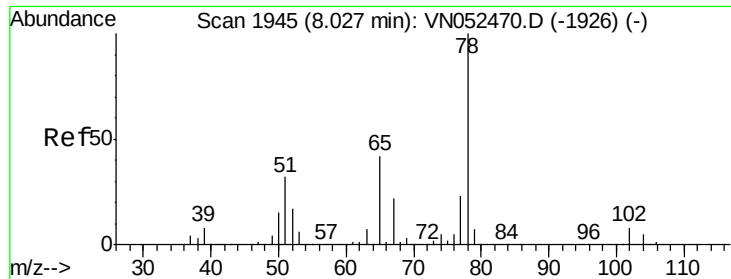
MMDadoda
12/11/2018 12:46:57 PM



#32
1,1,1-Trichloroethane
Concen: 19.888 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	43.8	36.8	55.2





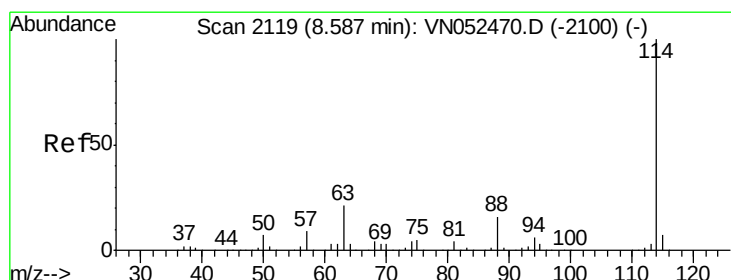
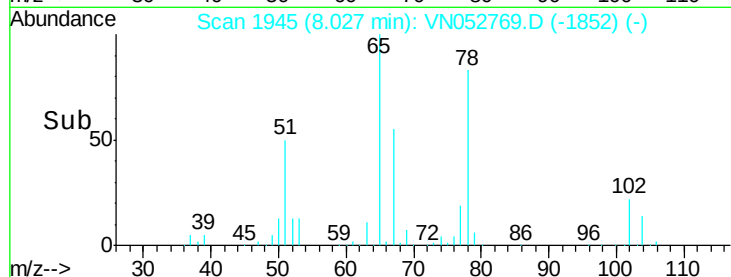
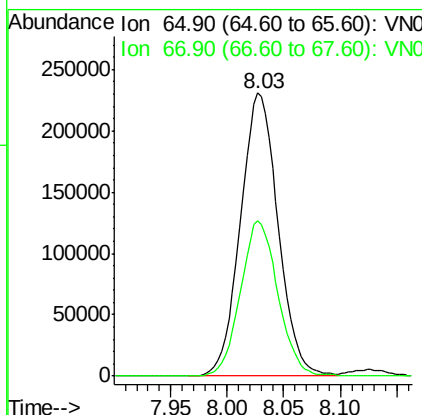
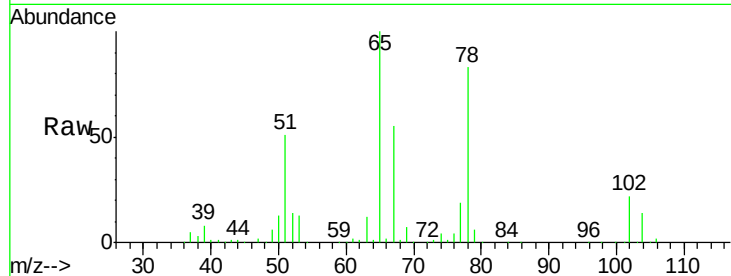
#33
 1,2-Dichloroethane-d4
 Concen: 19.888 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	534499		
67	54.6	0.0	109.8	

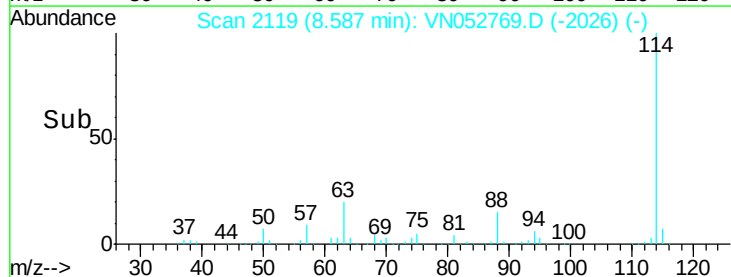
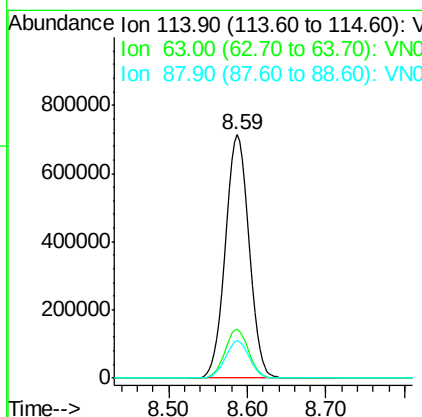
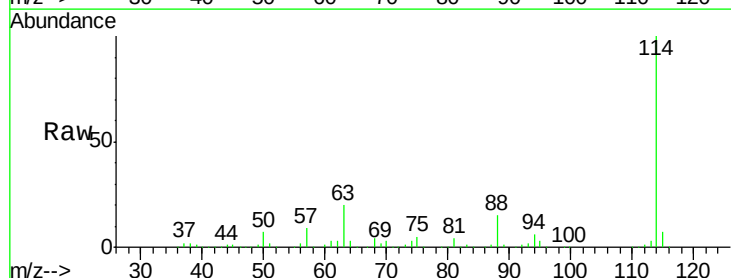
Manual Integrations
 APPROVED

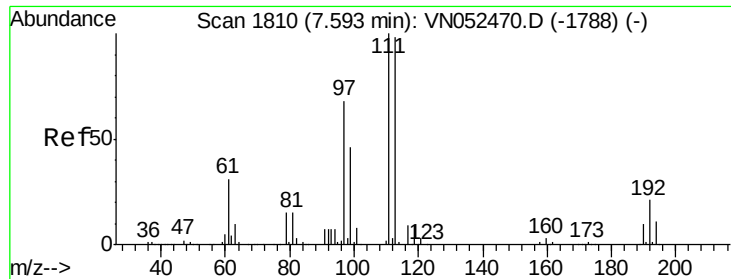
MMDadoda
 12/11/2018 12:46:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1478747		
63	20.1	0.0	41.8	
88	15.4	0.0	31.6	





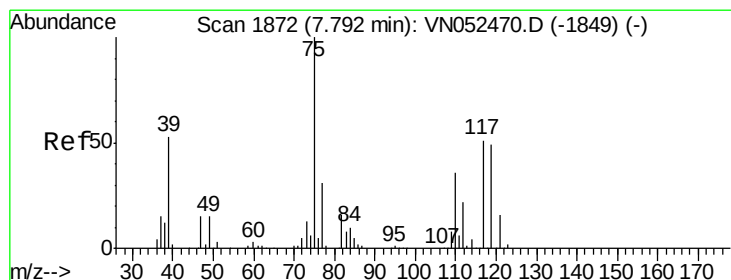
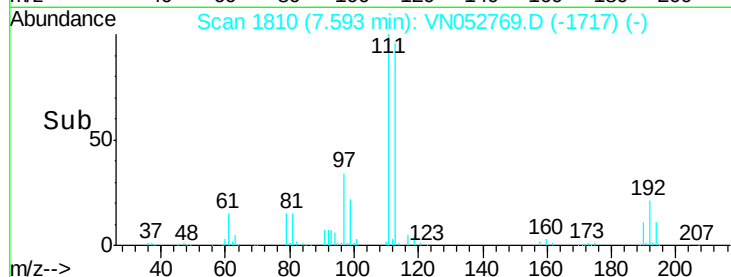
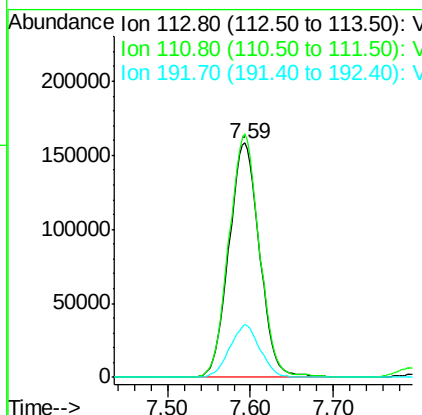
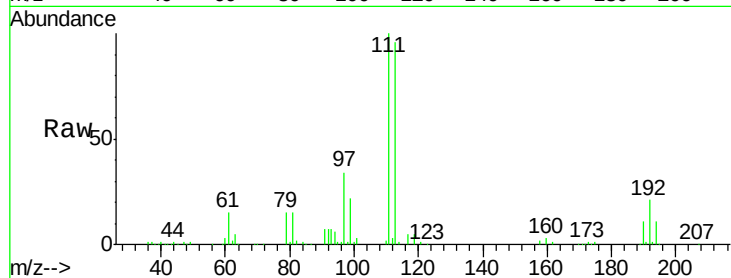
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	82.0	123.0	
192	22.2	17.0	25.6	

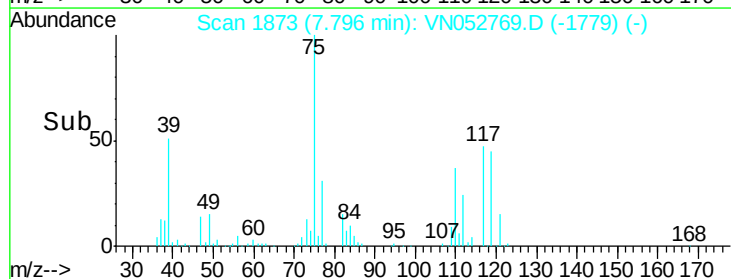
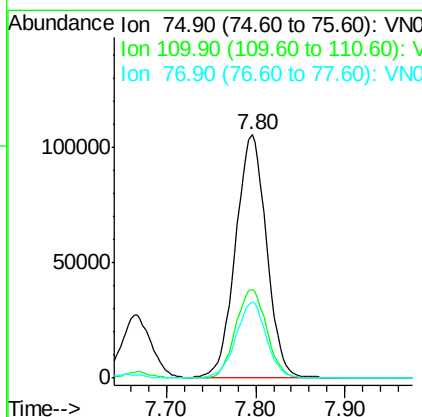
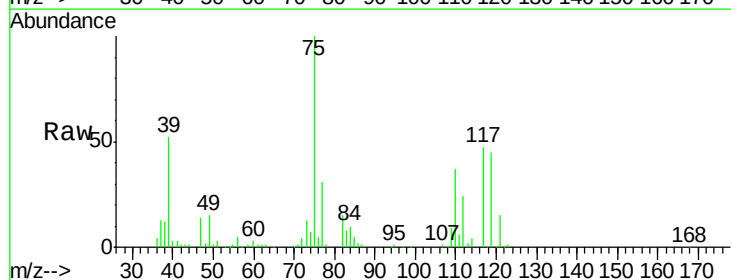
Manual Integrations
APPROVED

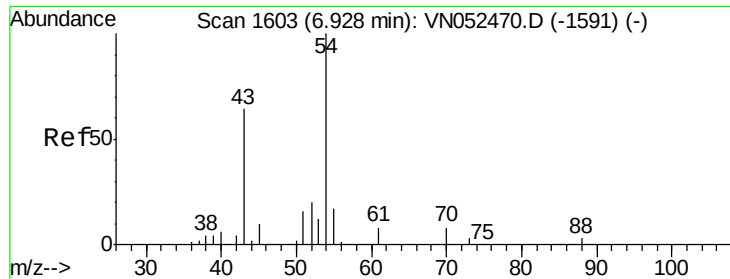
MMDadoda
12/11/2018 12:46:57 PM



#36
1,1-Dichloropropene
Concen: 18.194 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.7	17.5	52.6	
77	31.1	24.5	36.7	





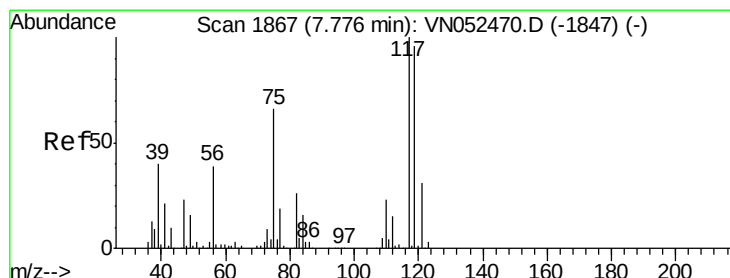
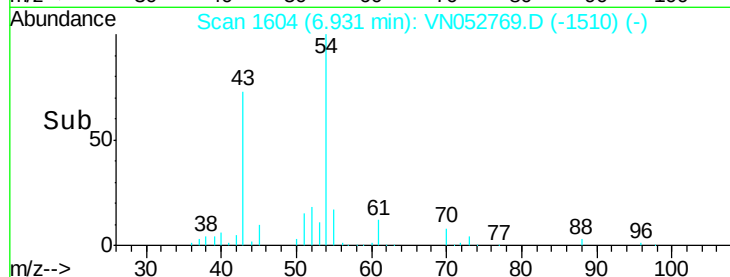
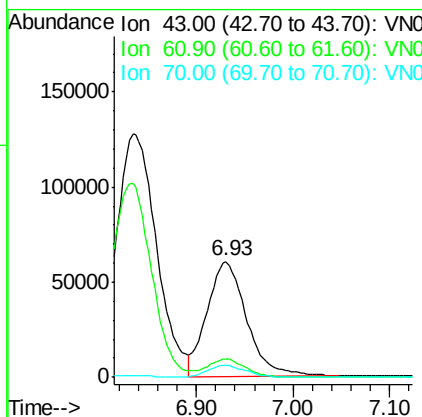
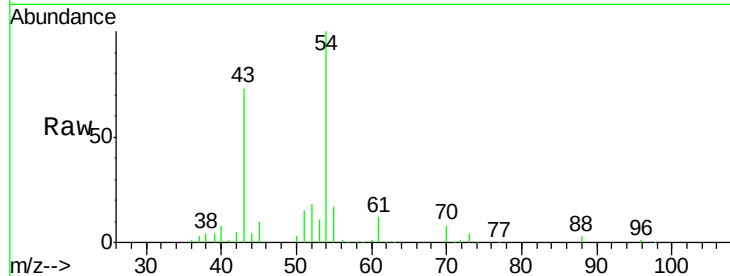
#37
Ethyl Acetate
Concen: 20.116 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.4	11.8	17.8	
70	10.2	7.8	11.8	

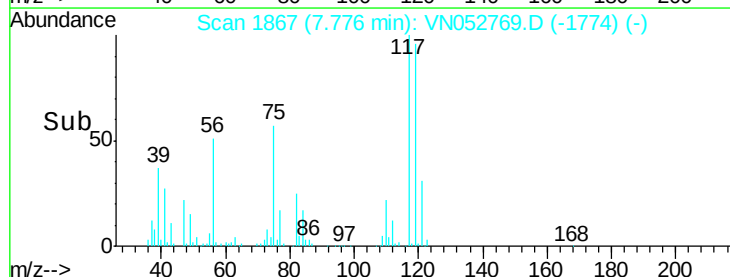
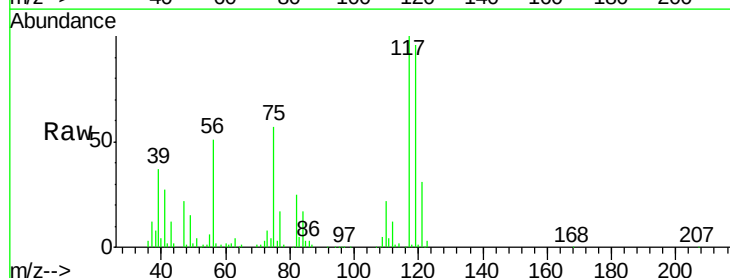
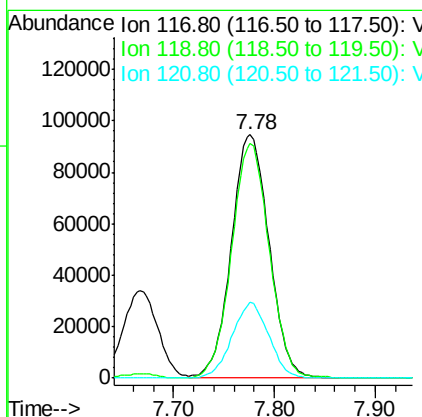
Manual Integrations
APPROVED

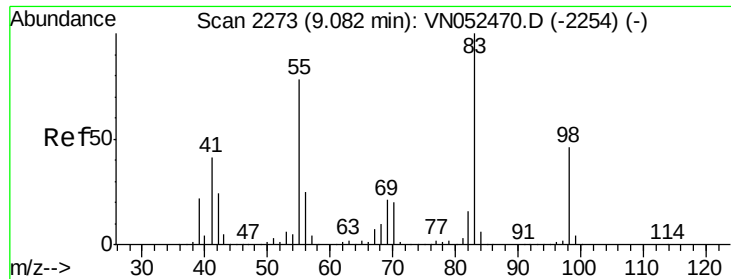
MMDadoda
12/11/2018 12:46:57 PM



#38
Carbon Tetrachloride
Concen: 19.448 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	96.4	76.8	115.2	
121	31.0	24.9	37.3	





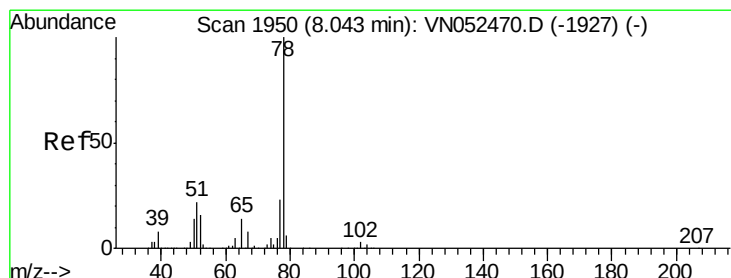
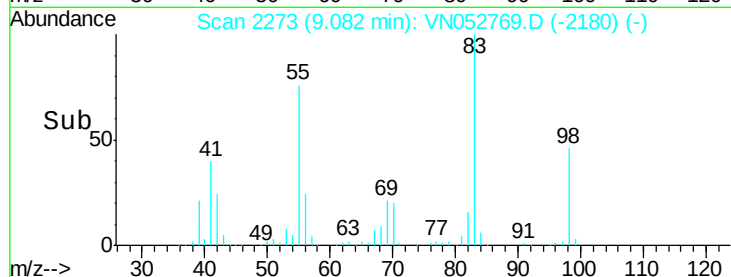
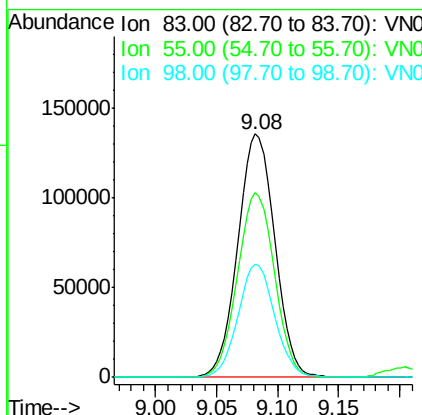
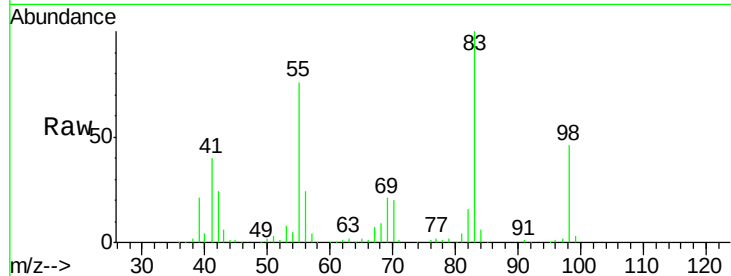
#39
Methylvlcyclohexane
Concen: 16.765 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	83	Resp	284550
Ion Ratio	100	Lower	Upper
83	100		
55	75.9	62.2	93.2
98	46.5	36.4	54.6

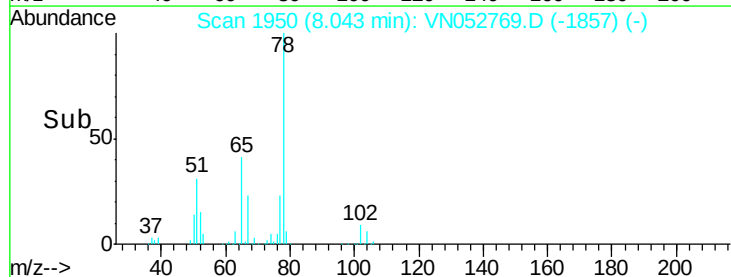
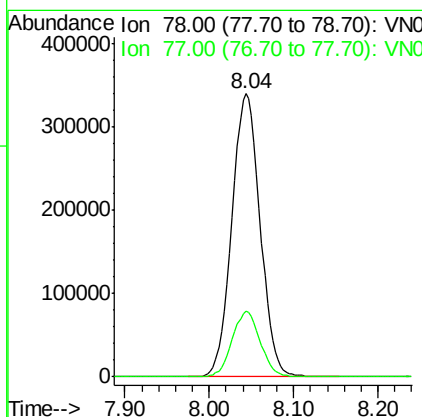
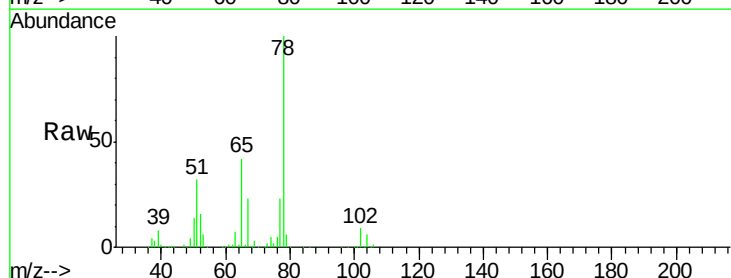
Manual Integrations
APPROVED

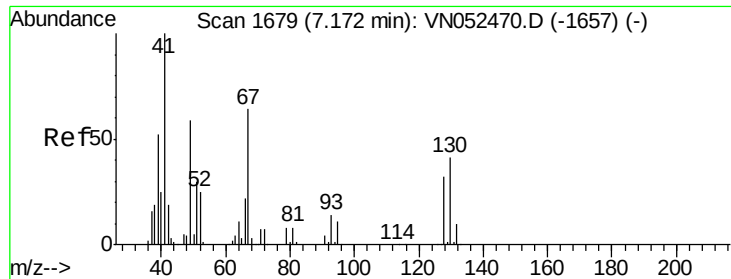
MMDadoda
12/11/2018 12:46:57 PM



#40
Benzene
Concen: 19.075 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	78	Resp	793846
Ion Ratio	100	Lower	Upper
78	100		
77	23.1	18.8	28.2





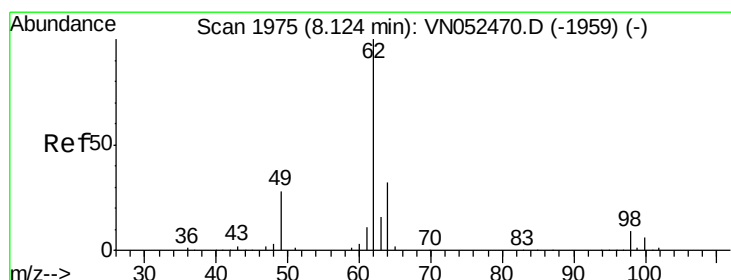
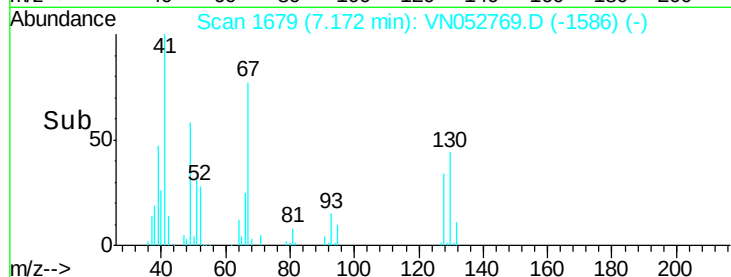
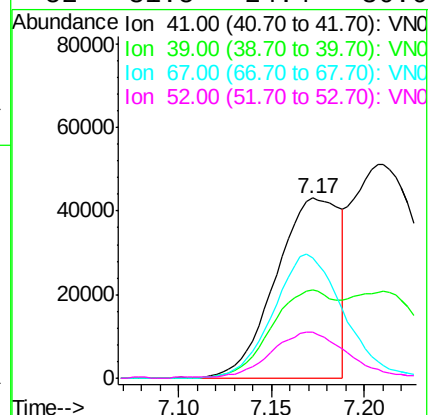
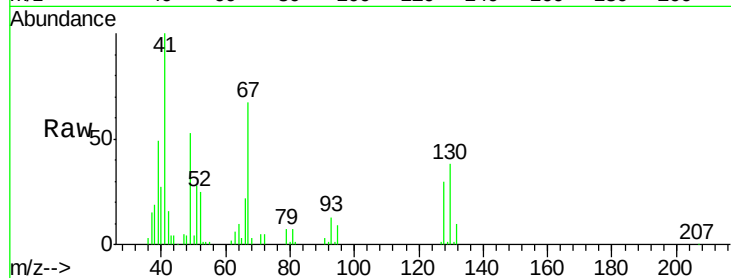
#41
Methacrylonitrile
Concen: 22.221 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	47.5	50.9	76.3#		
67	76.8	63.6	95.4		
52	31.5	24.4	36.6		

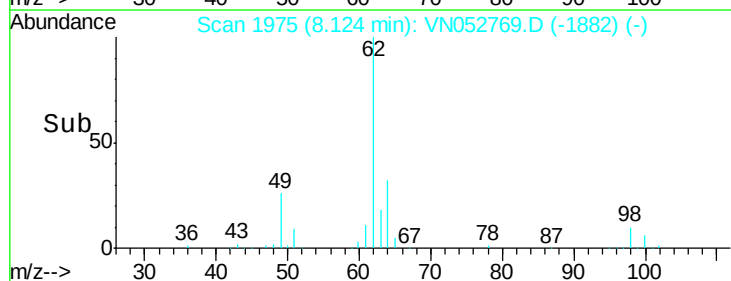
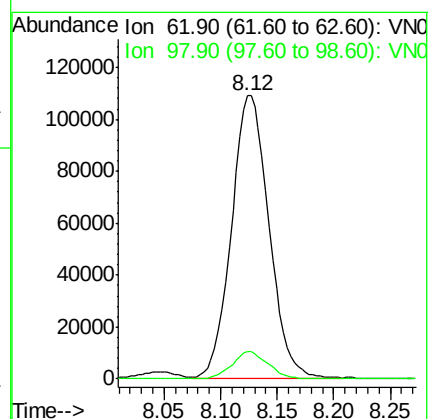
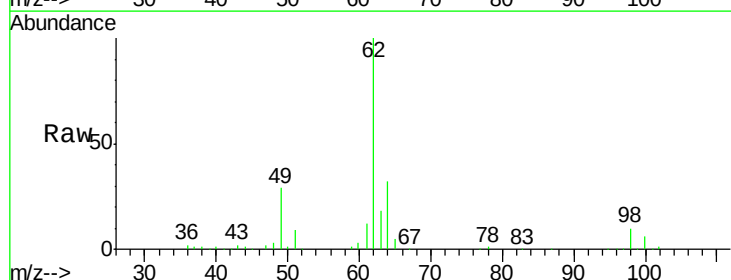
Manual Integrations
APPROVED

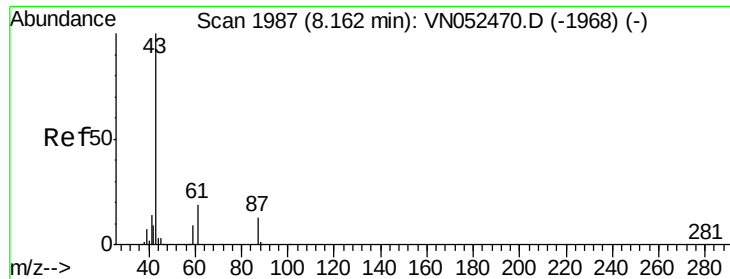
MMDadoda
12/11/2018 12:46:57 PM



#42
1,2-Dichloroethane
Concen: 19.854 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.3	0.0	18.6		





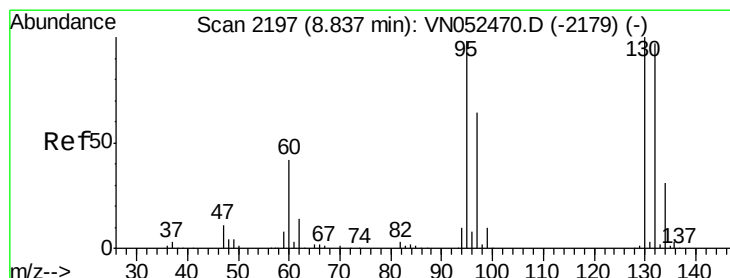
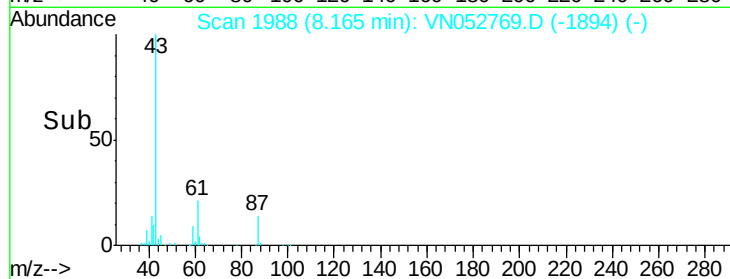
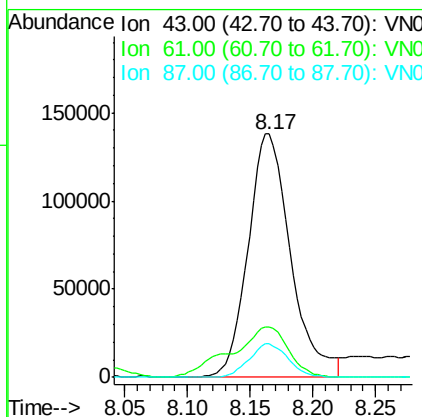
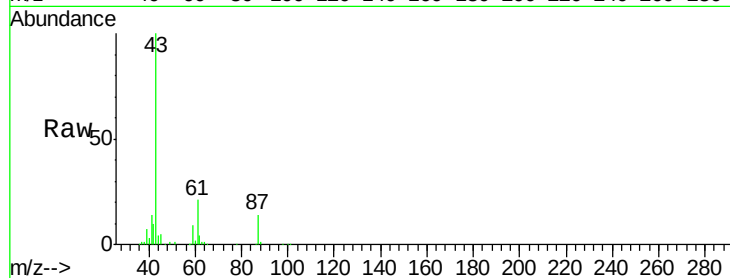
#43
Isopropyl Acetate
Concen: 22.490 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	24.1	36.1
87	12.7	10.6	15.8

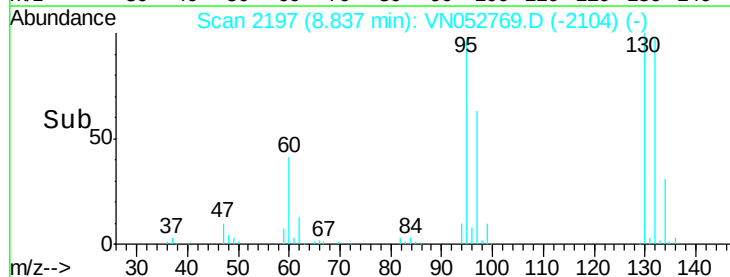
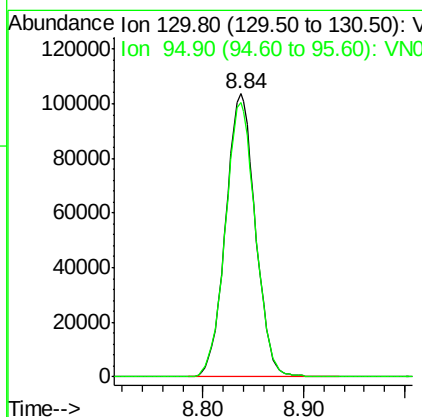
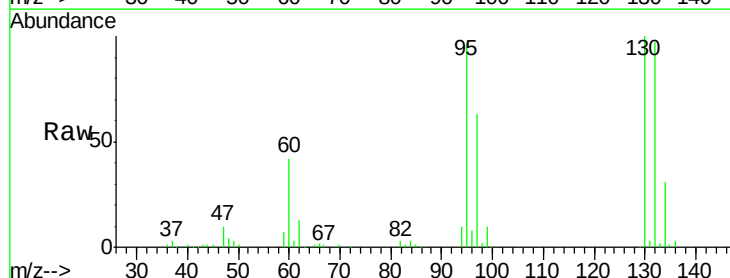
Manual Integrations
APPROVED

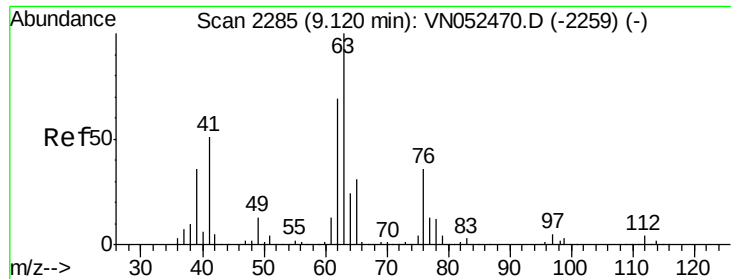
MMDadoda
12/11/2018 12:46:57 PM



#44
Trichloroethene
Concen: 19.917 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	195.6





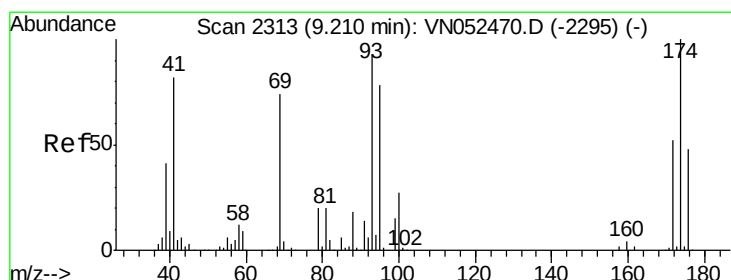
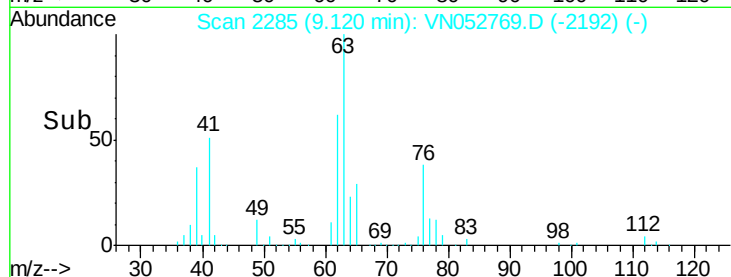
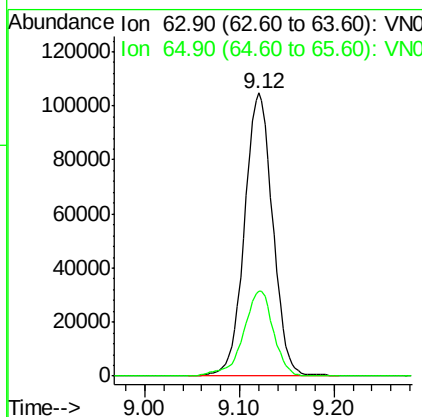
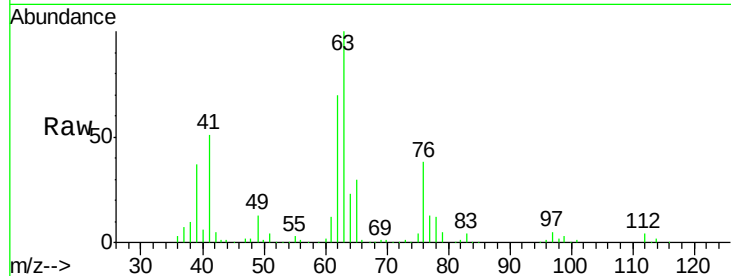
#45
 1,2-Dichloropropane
 Concen: 19.608 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS03

Tot Ion: 63 Resp: 216947
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6

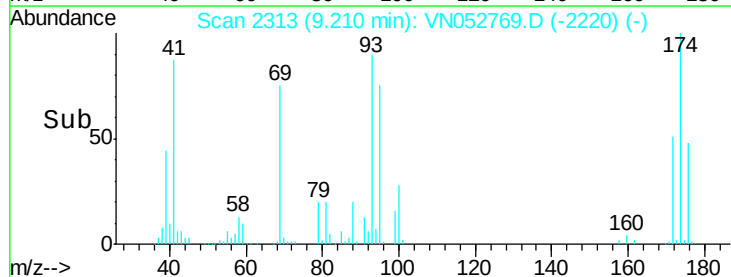
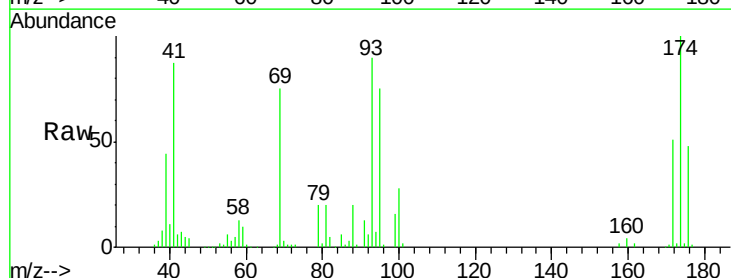
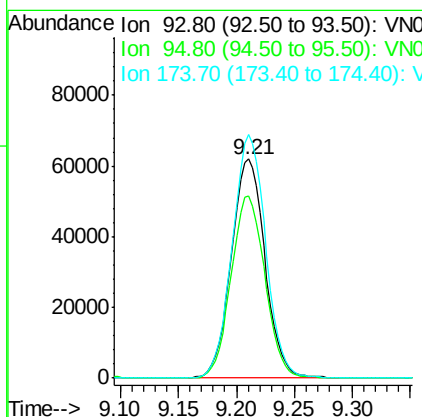
Manual Integrations
 APPROVED

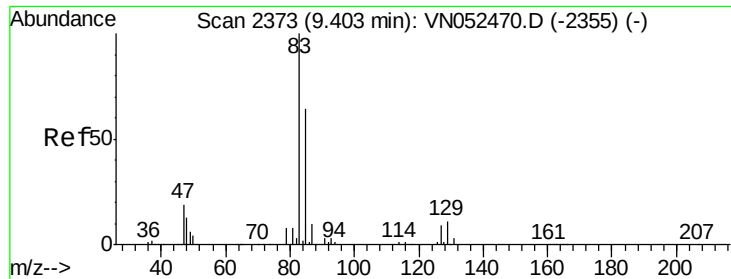
MMDadoda
 12/11/2018 12:46:57 PM



#46
 Dibromomethane
 Concen: 20.465 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Tgt Ion: 93 Resp: 125344
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.1 100.7
 174 110.2 85.8 128.8





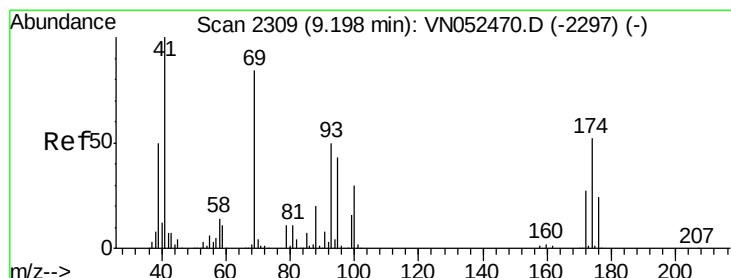
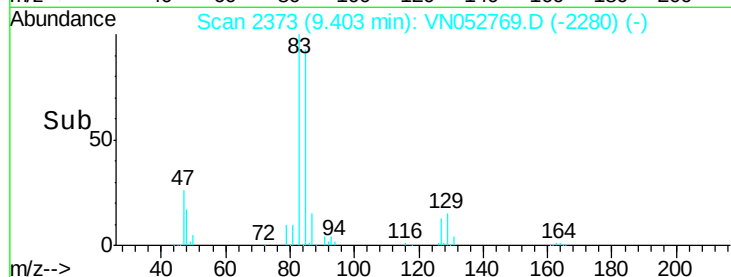
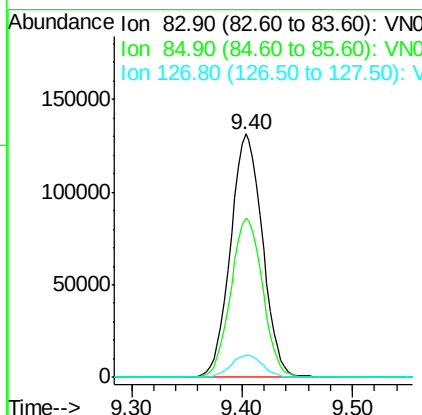
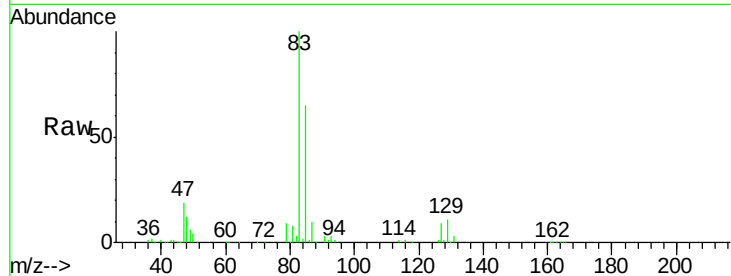
#47
Bromodichloromethane
Concen: 19.830 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ratio	Resp	Lower	Upper
83	100	264067		
85	65.4	51.3	76.9	
127	9.1	6.9	10.3	

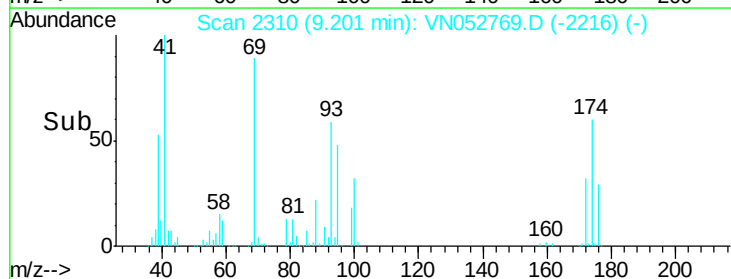
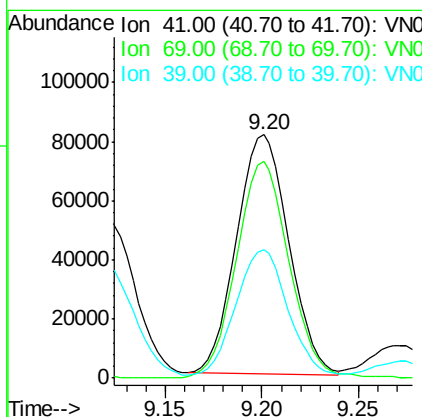
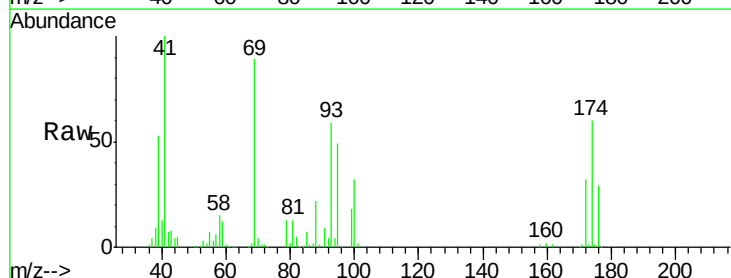
Manual Integrations
APPROVED

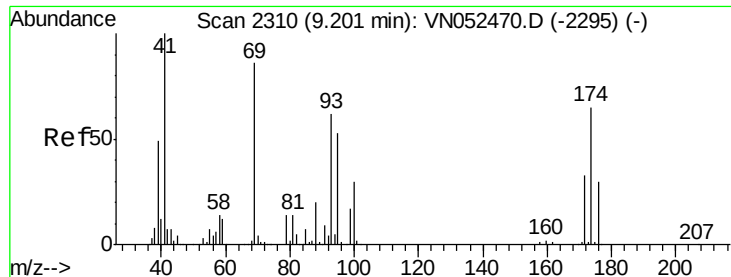
MMDadoda
12/11/2018 12:46:57 PM



#48
Methyl methacrylate
Concen: 20.218 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	152041		
69	91.7	70.0	105.0	
39	54.2	42.6	64.0	





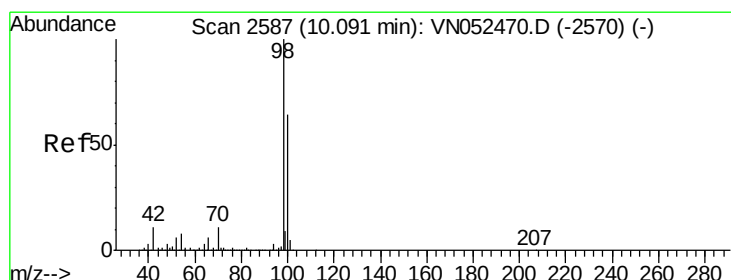
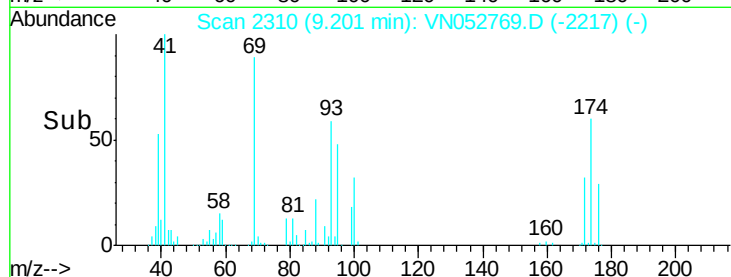
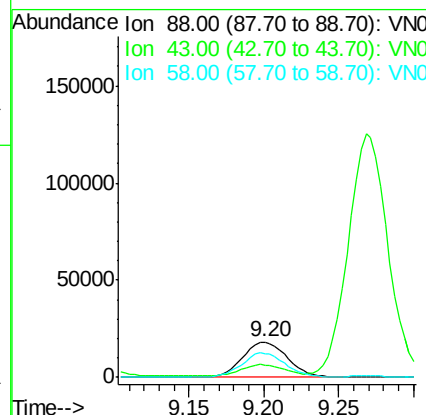
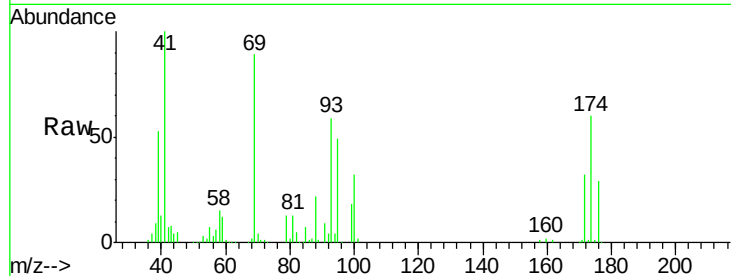
#49
1,4-Dioxane
Concen: 486.223 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	88	Resp	37948
Ion	Ratio	Lower	Upper
88	100		
43	28.5	26.4	39.6
58	68.1	55.4	83.0

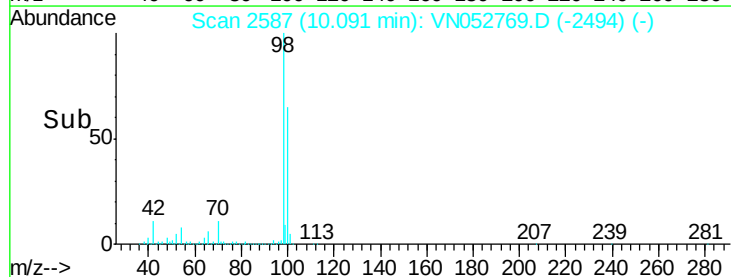
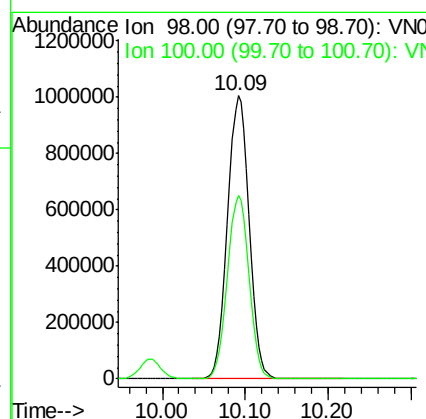
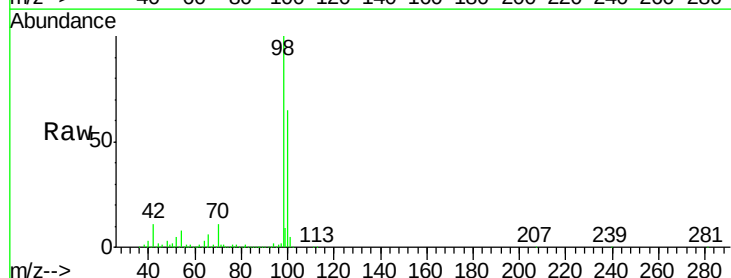
Manual Integrations
APPROVED

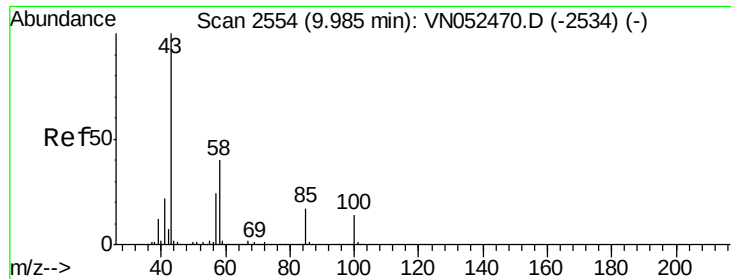
MMDadoda
12/11/2018 12:46:57 PM



#50
Toluene-d8
Concen: 486.223 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	98	Resp	1816558
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.3	76.9





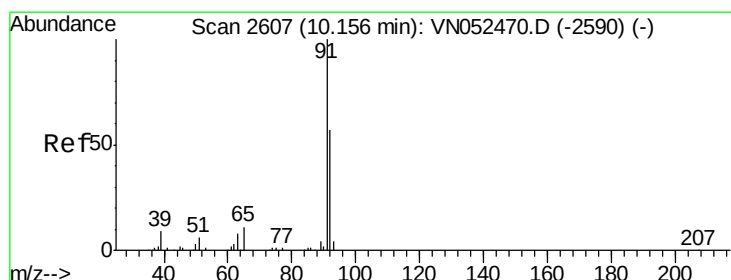
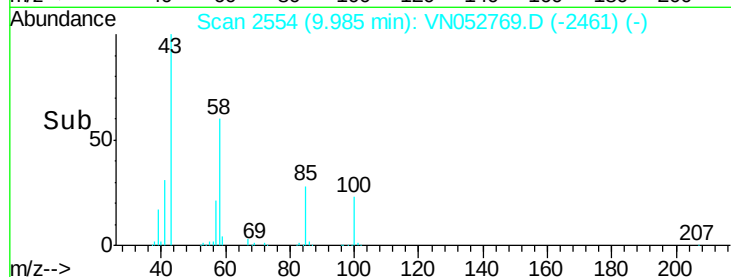
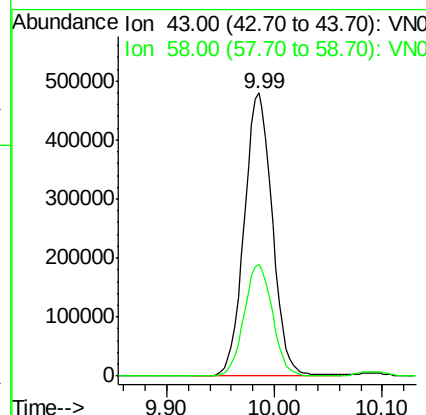
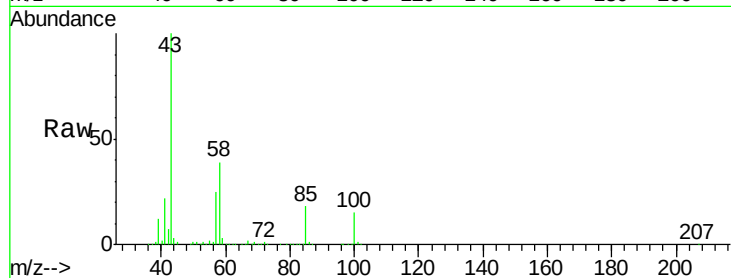
#51
 4-Methyl-2-Pentanone
 Concen: 106.936 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.5	47.3

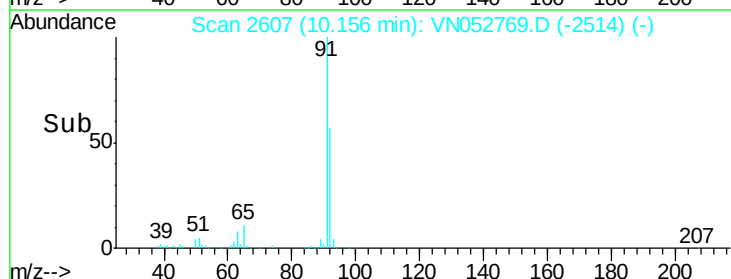
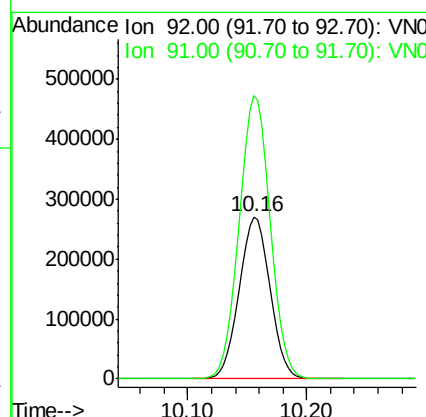
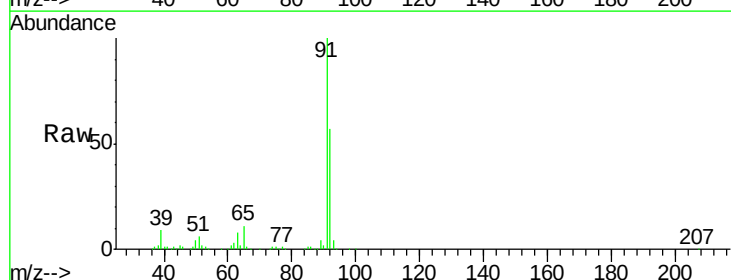
Manual Integrations
 APPROVED

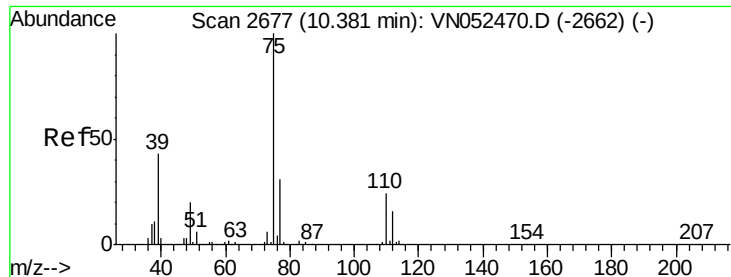
MMDadoda
 12/11/2018 12:46:57 PM



#52
 Toluene
 Concen: 19.742 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.3	141.0	211.4





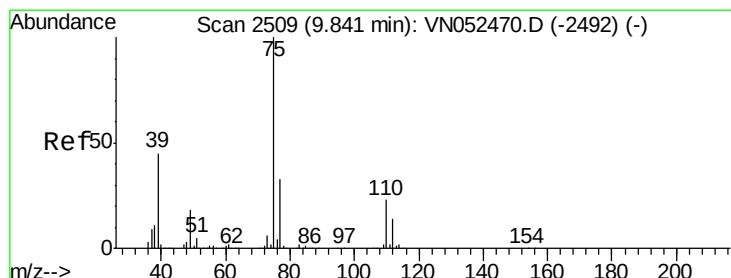
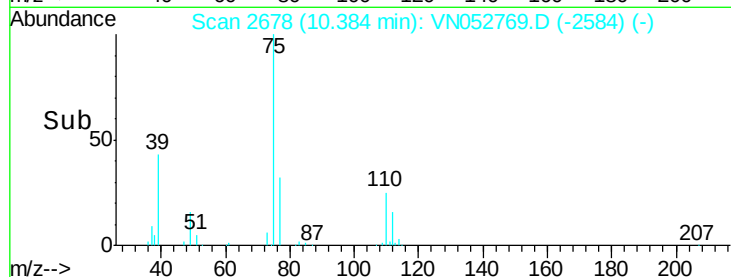
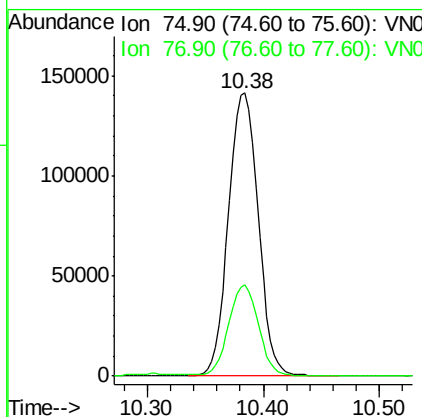
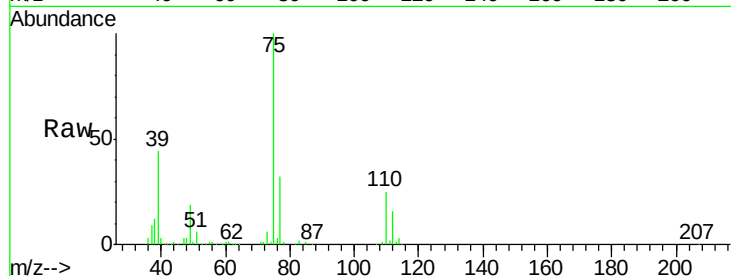
#53
t-1,3-Dichloropropene
Concen: 19.703 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4

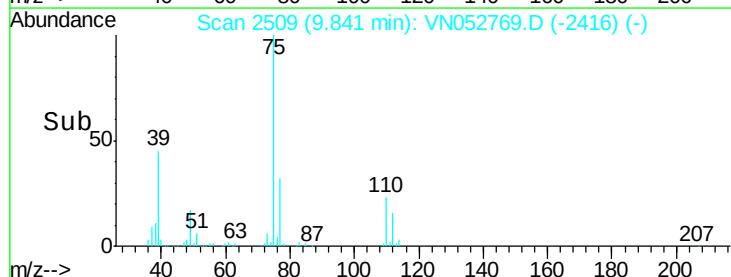
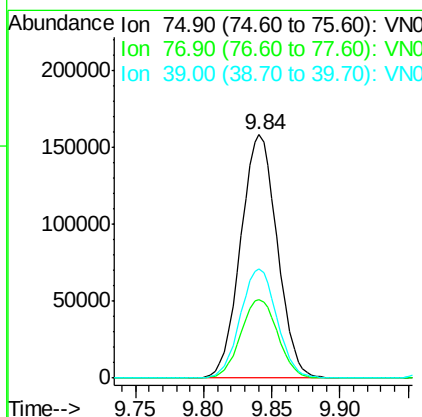
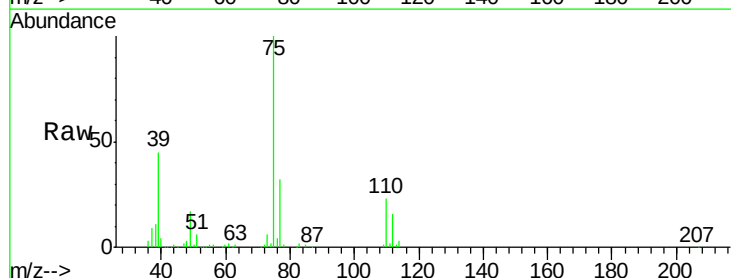
Manual Integrations
APPROVED

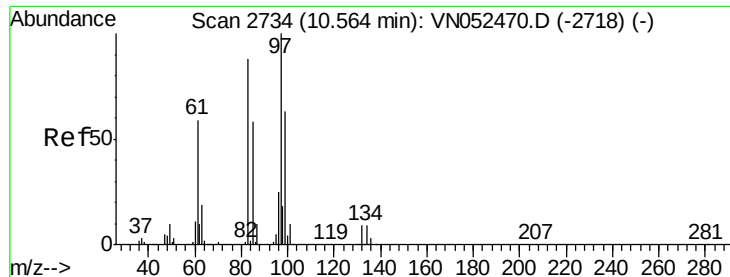
MMDadoda
12/11/2018 12:46:57 PM



#54
cis-1,3-Dichloropropene
Concen: 19.250 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.2	39.2
39	44.9	36.0	54.0





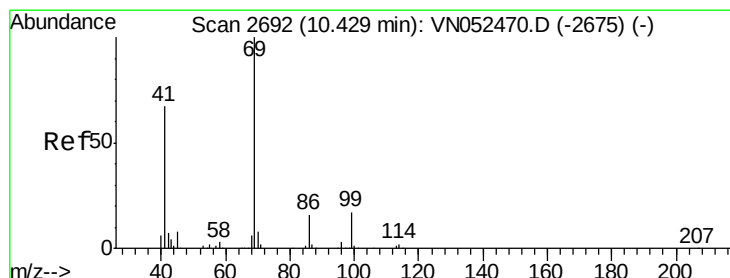
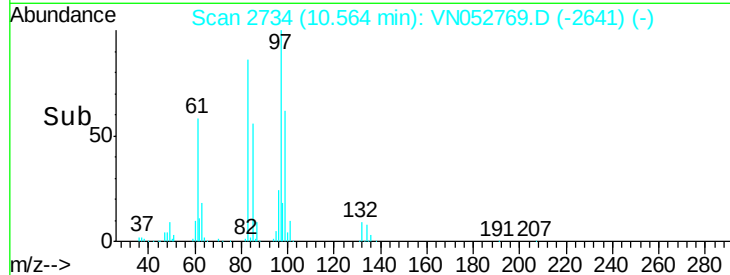
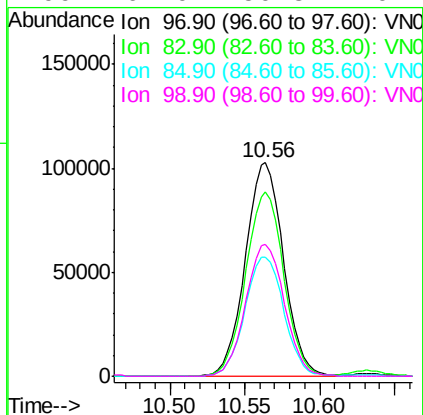
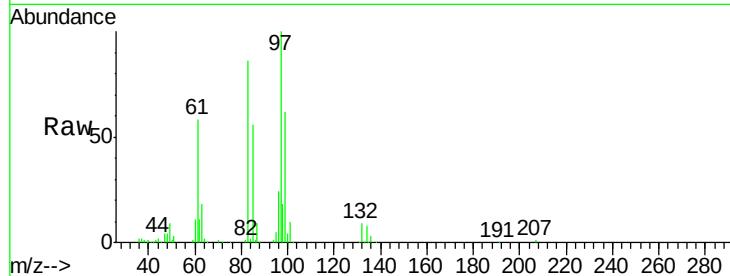
#55
 1,1,2-Trichloroethane
 Concen: 21.012 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS03

Tot Ion:	97	Resp:	182751
Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.7	106.1
85	56.0	46.1	69.1
99	62.0	50.8	76.2

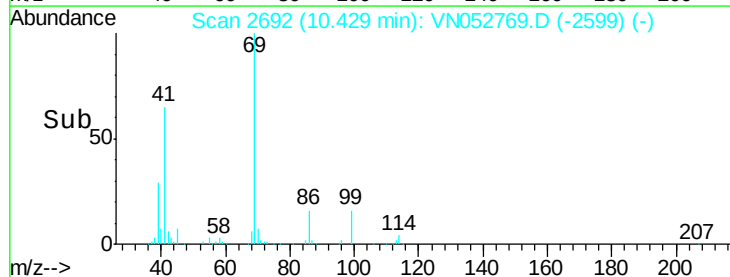
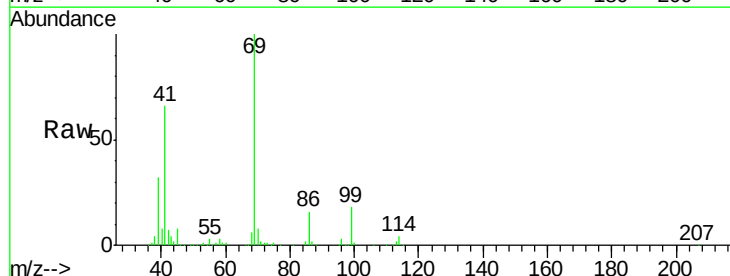
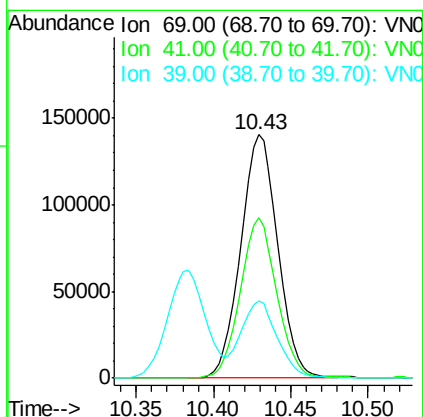
Manual Integrations
 APPROVED

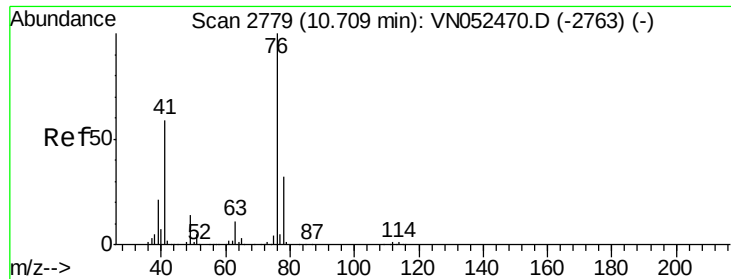
MMDadoda
 12/11/2018 12:46:57 PM



#56
 Ethyl methacrylate
 Concen: 21.037 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Tgt Ion:	69	Resp:	234157
Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.6	79.0
39	31.2	25.9	38.9





#57

1,3-Dichloropropane

Concen: 20.427 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS03

Tot Ion: 76 Resp: 313704

Ion Ratio Lower Upper

76 100

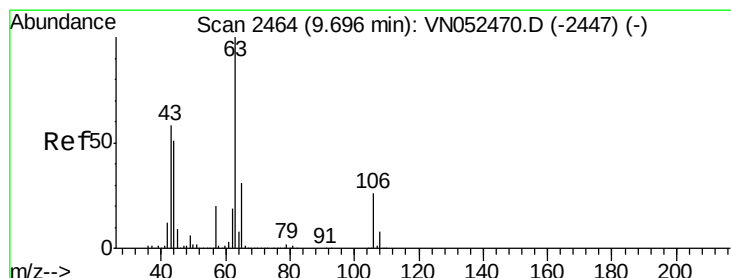
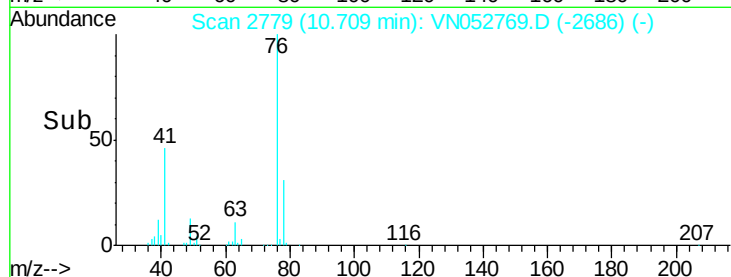
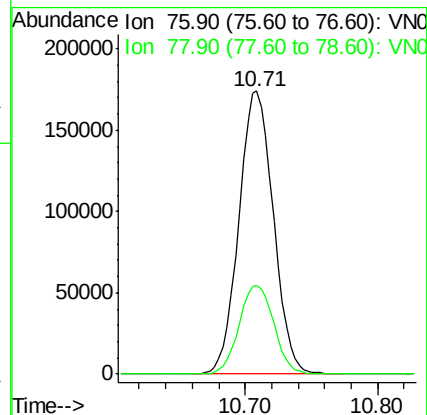
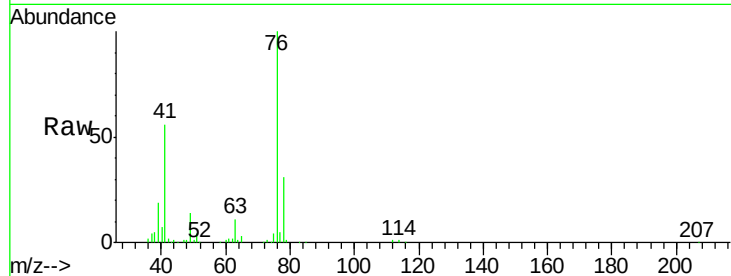
78 31.7 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:46:57 PM



#58

2-Chloroethyl Vinyl ether

Concen: 105.361 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052769.D

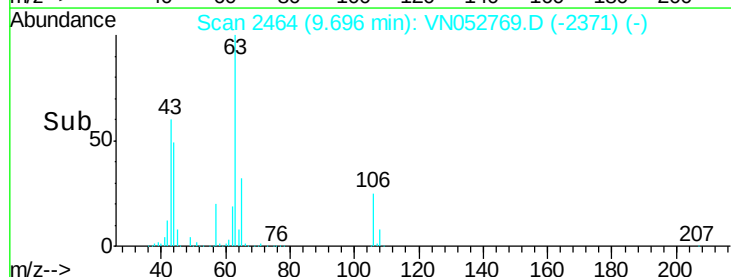
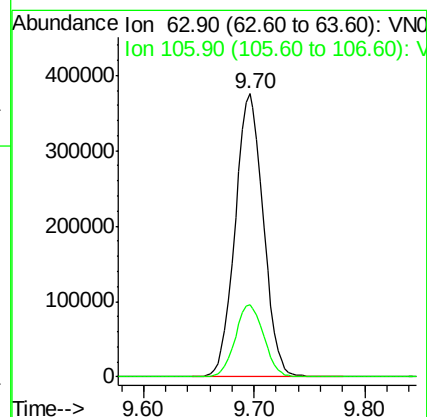
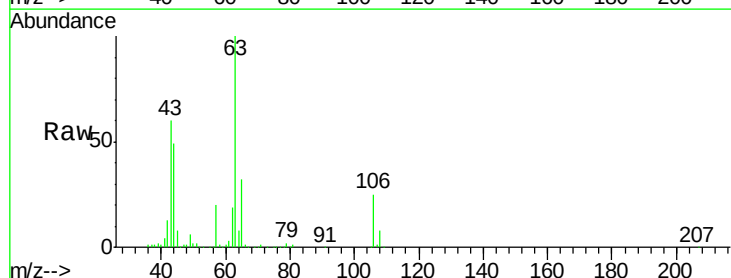
Acq: 10 Dec 2018 23:37

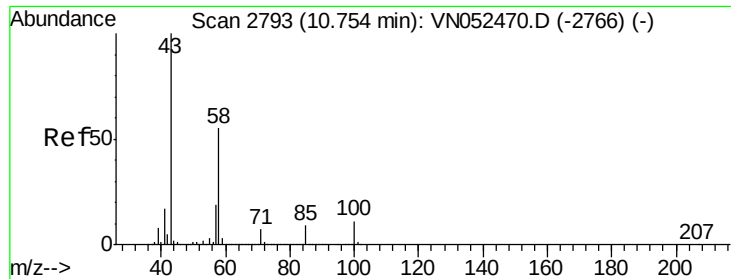
Tgt Ion: 63 Resp: 664941

Ion Ratio Lower Upper

63 100

106 25.9 20.6 30.8





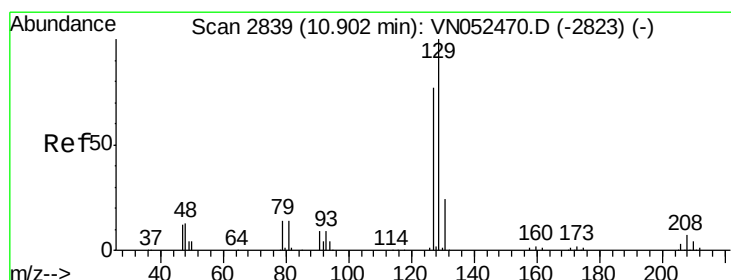
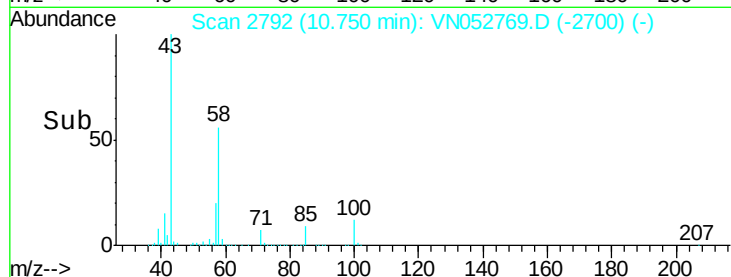
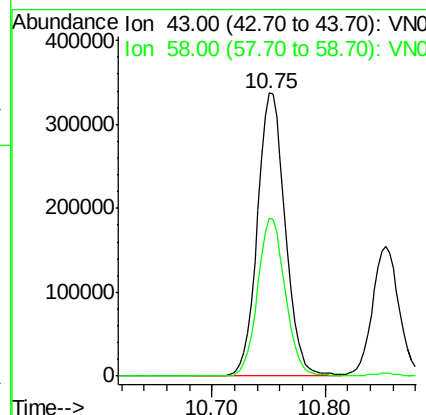
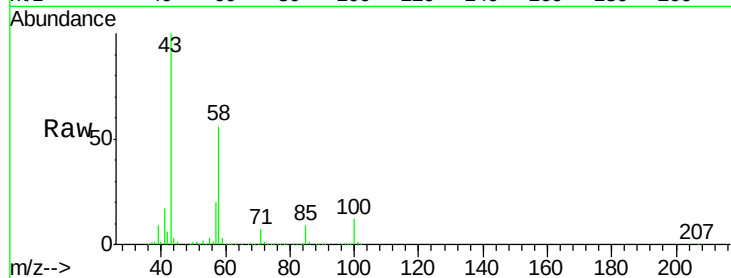
#59
2-Hexanone
Concen: 105.847 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.8	27.4	82.0

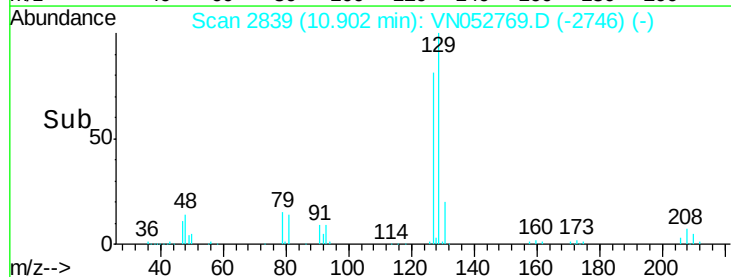
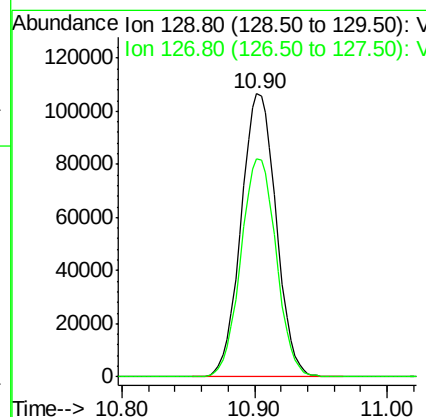
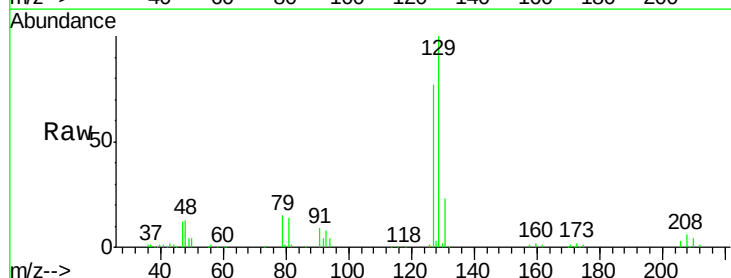
Manual Integrations
APPROVED

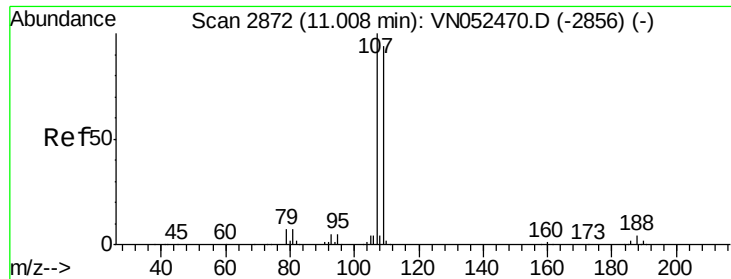
MMDadoda
12/11/2018 12:46:57 PM



#60
Dibromochloromethane
Concen: 20.715 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.9	116.6





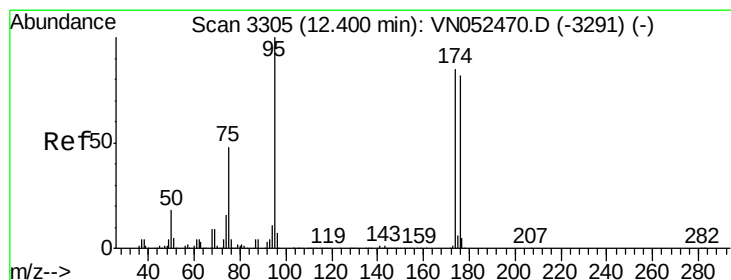
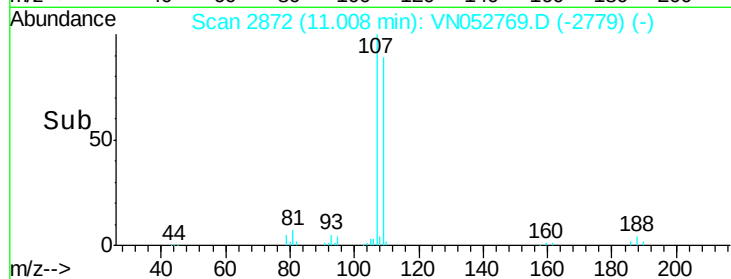
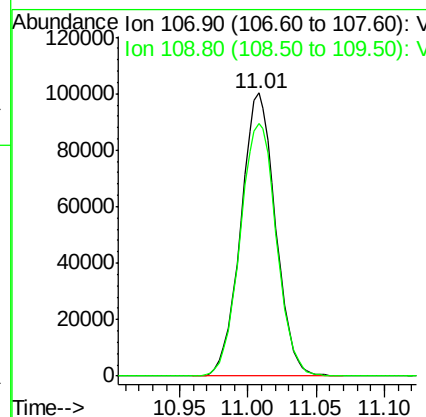
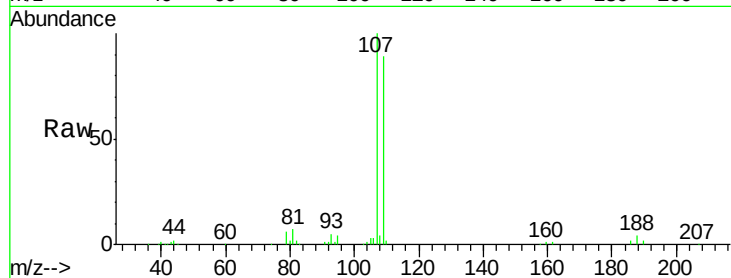
#61
 1,2-Dibromoethane
 Concen: 20.404 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS03

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.6	113.4

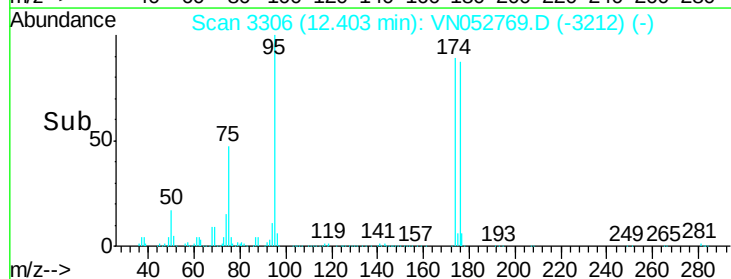
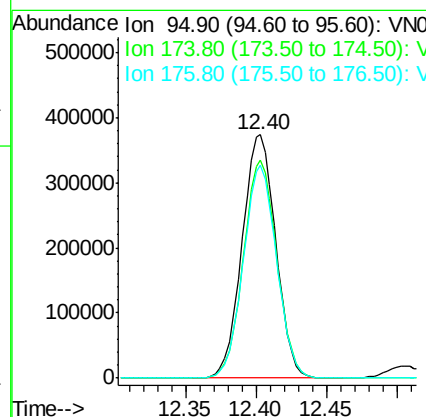
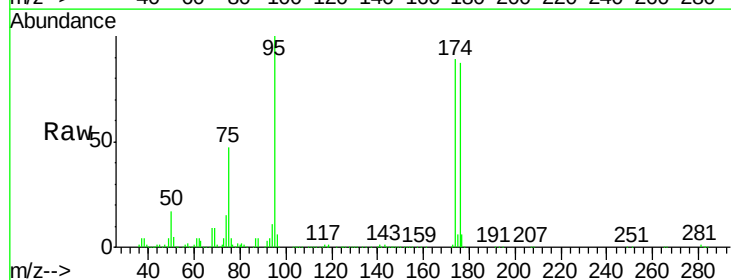
Manual Integrations
 APPROVED

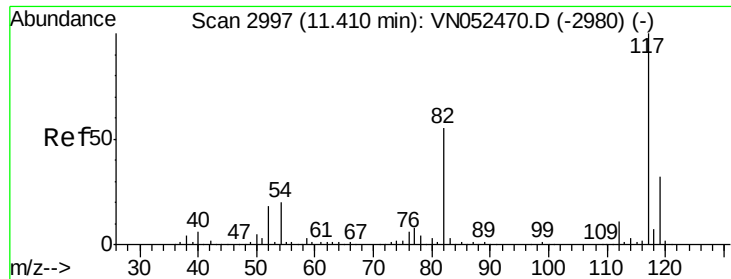
MMDadoda
 12/11/2018 12:46:57 PM



#62
 4-Bromofluorobenzene
 Concen: 20.404 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	173.0
176	86.4	0.0	166.2





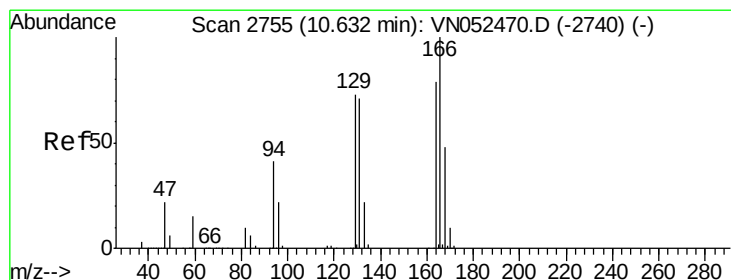
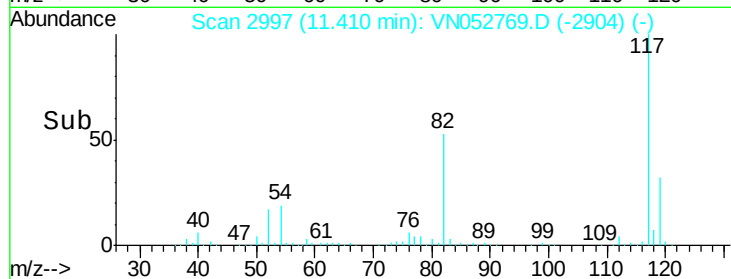
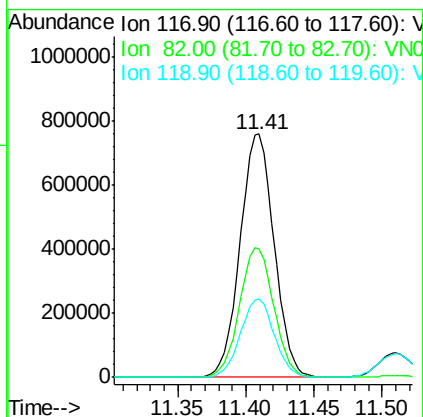
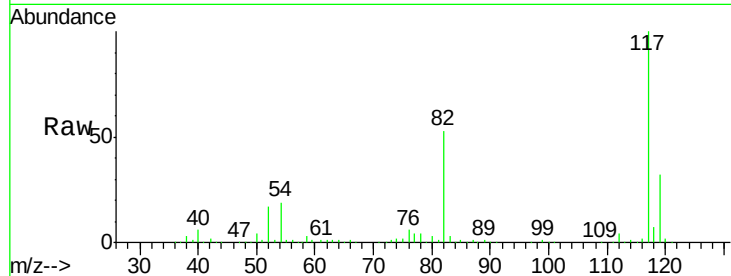
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.6	65.4
119	32.3	25.4	38.2

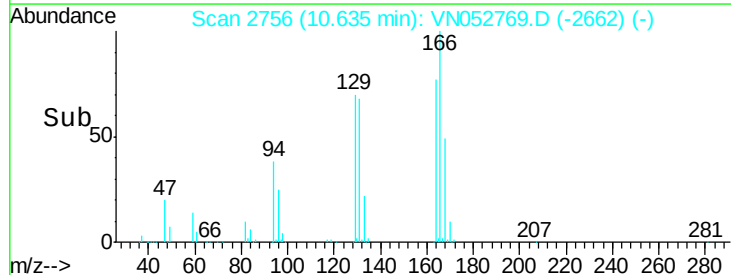
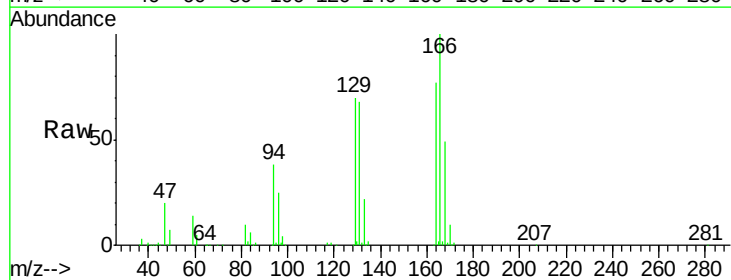
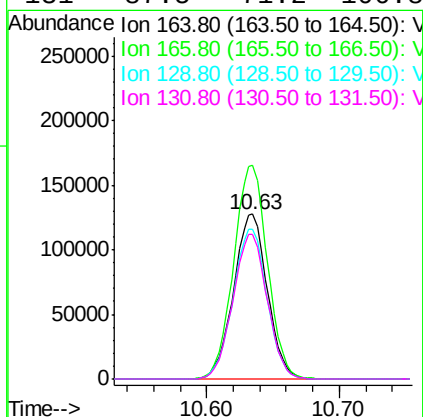
Manual Integrations
APPROVED

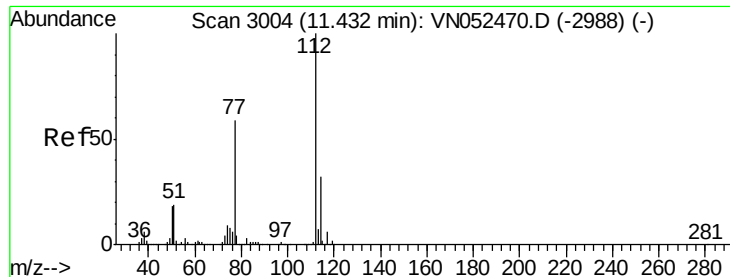
MMDadoda
12/11/2018 12:46:57 PM



#64
Tetrachloroethene
Concen: 22.156 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	101.0	151.4
129	91.1	73.8	110.6
131	87.5	71.2	106.8





#65

Chlorobenzene

Concen: 20.080 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS03

Tot Ion:112 Resp: 542555

Ion Ratio Lower Upper

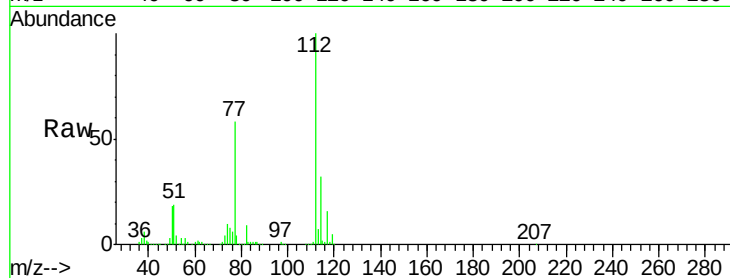
112 100

114 31.5 25.8 38.6

Manual Integrations
APPROVED

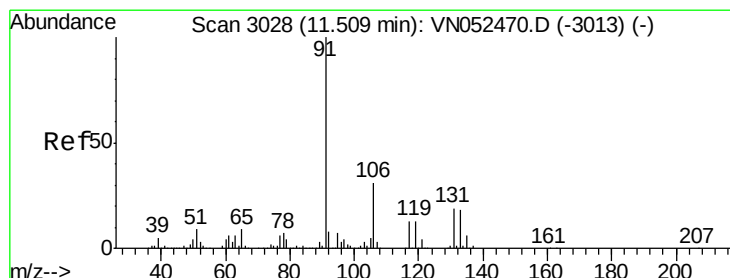
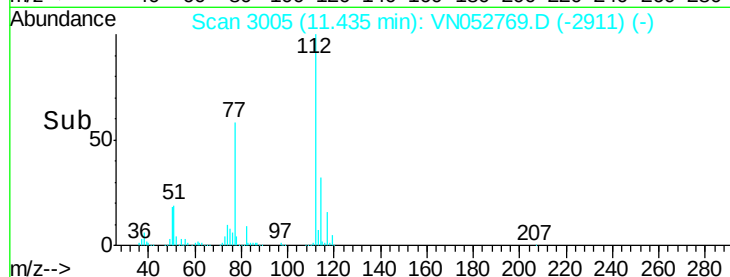
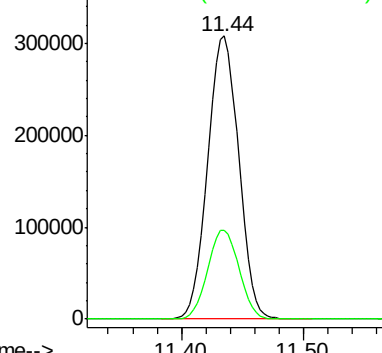
MMDadoda

12/11/2018 12:46:57 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.511 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

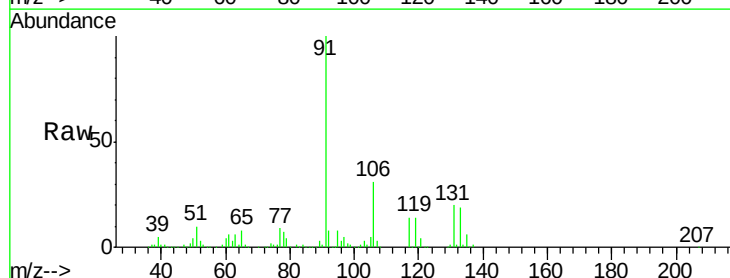
Tgt Ion:131 Resp: 192705

Ion Ratio Lower Upper

131 100

133 95.9 47.6 142.8

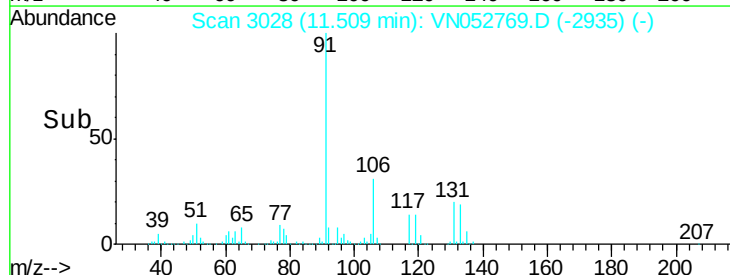
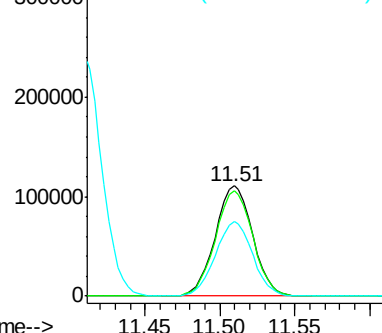
119 67.6 33.2 99.6

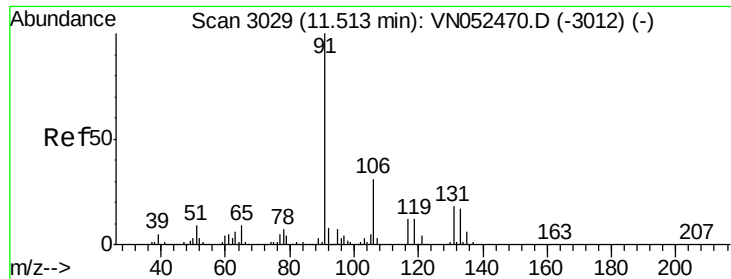


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





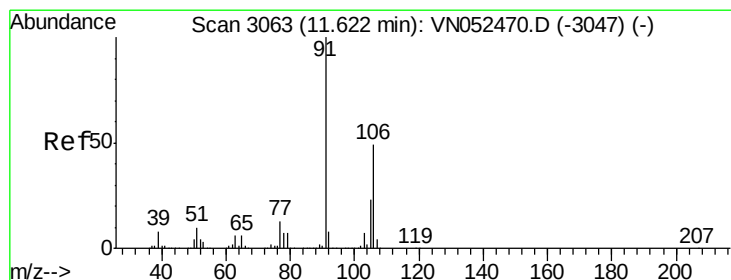
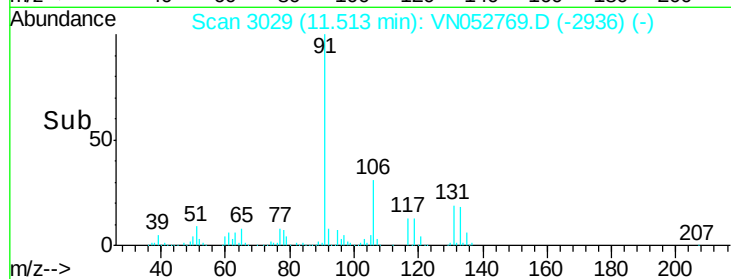
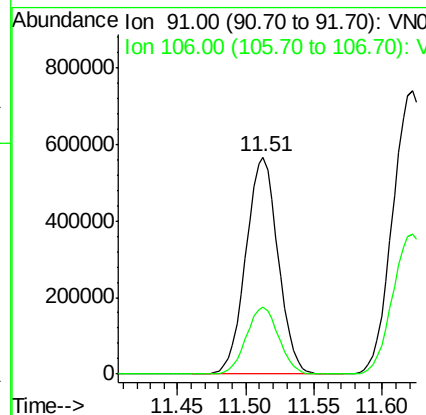
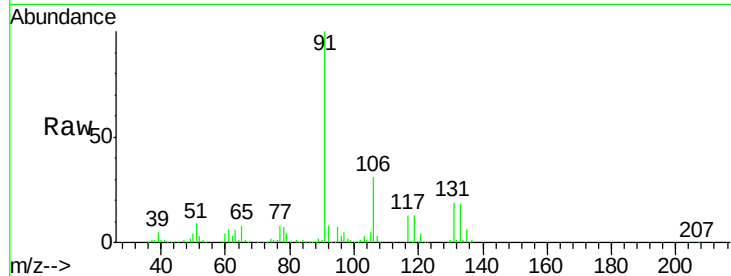
#67
Ethyl Benzene
Concen: 19.618 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion: 91 Resp: 928272
Ion Ratio Lower Upper
91 100
106 30.7 24.9 37.3

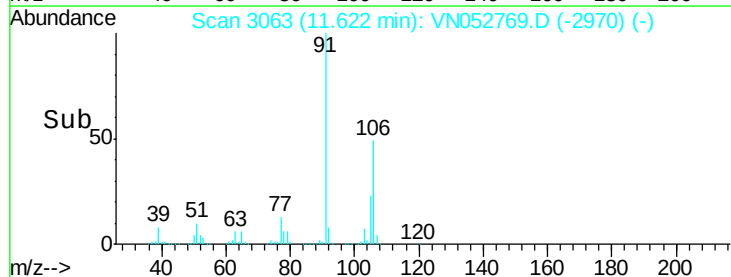
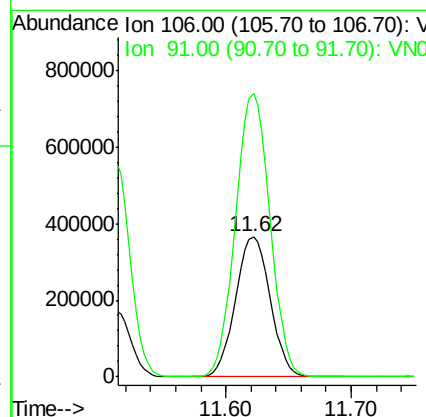
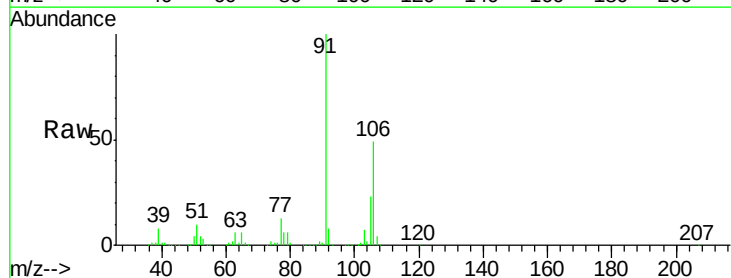
Manual Integrations
APPROVED

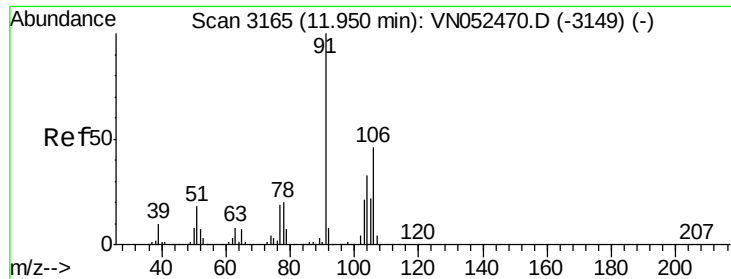
MMDadoda
12/11/2018 12:46:57 PM



#68
m/p-Xylenes
Concen: 39.891 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion: 106 Resp: 702679
Ion Ratio Lower Upper
106 100
91 200.7 163.2 244.8





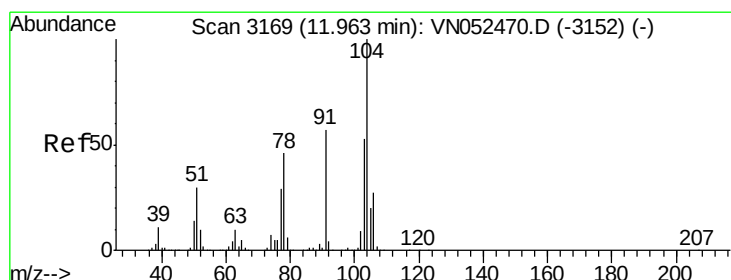
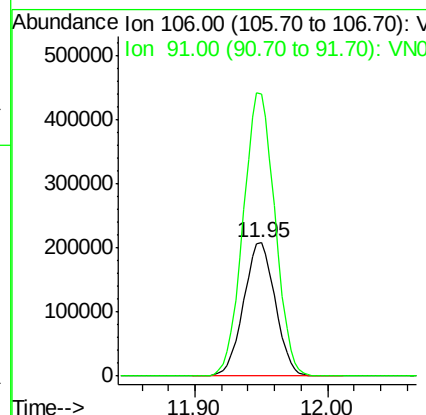
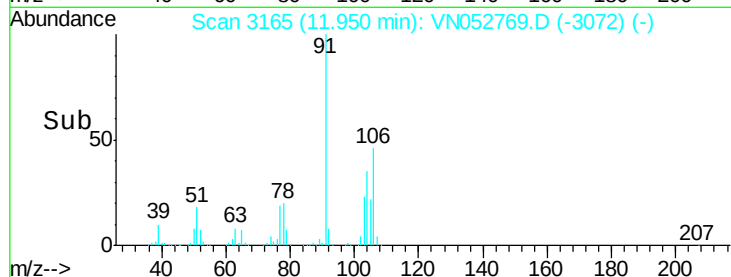
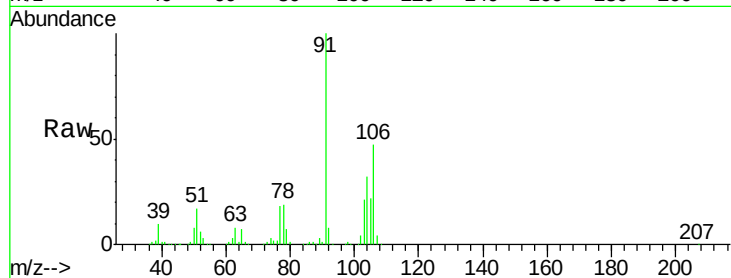
#69
o-Xylene
Concen: 20.198 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion:106 Resp: 345507
Ion Ratio Lower Upper
106 100
91 213.4 107.7 323.1

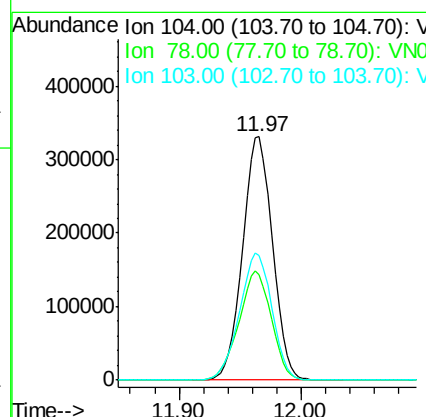
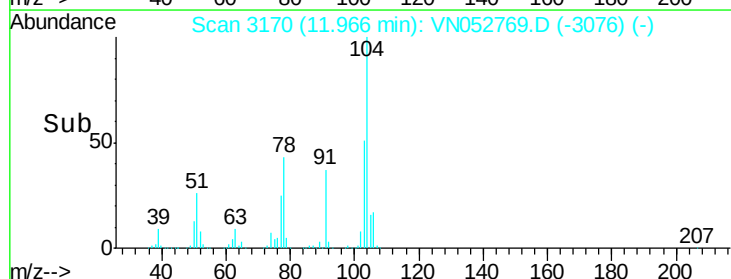
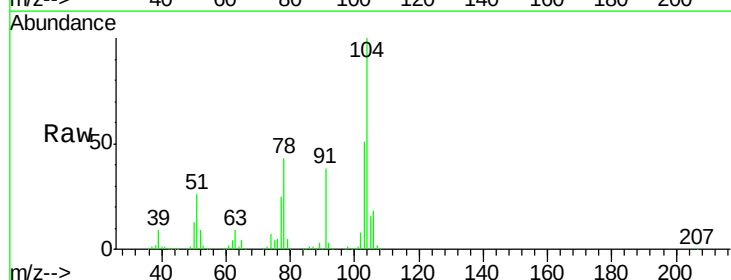
Manual Integrations
APPROVED

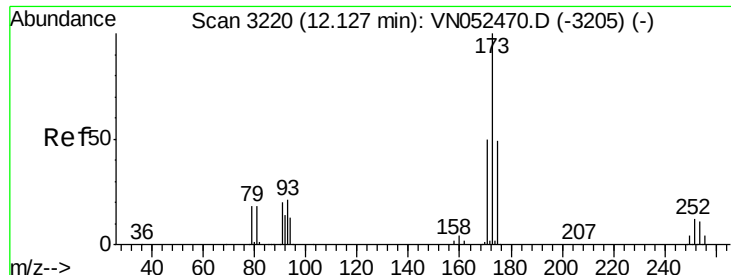
MMDadoda
12/11/2018 12:46:57 PM



#70
Styrene
Concen: 20.557 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion:104 Resp: 560068
Ion Ratio Lower Upper
104 100
78 48.8 39.4 59.2
103 56.5 44.9 67.3





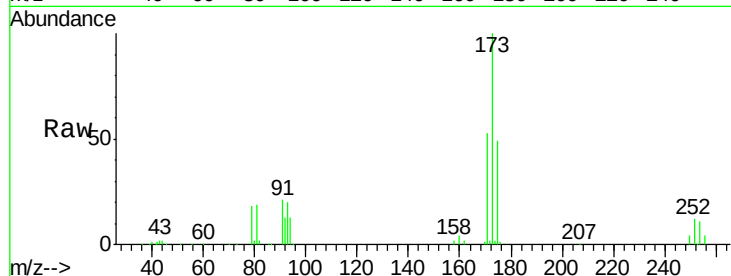
#71
Bromoform
Concen: 20.962 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

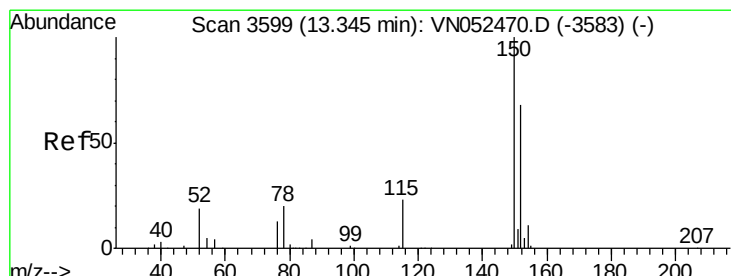
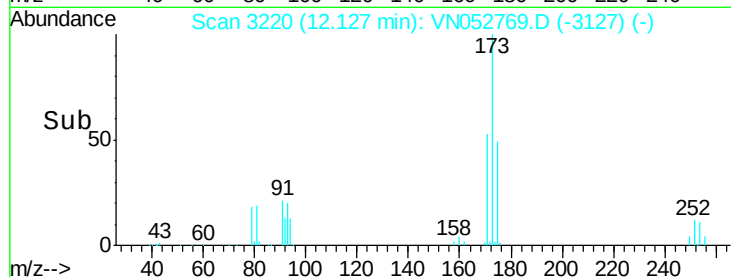
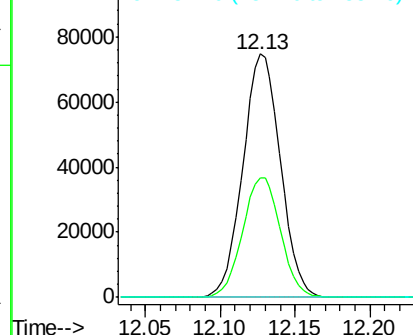
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:46:57 PM

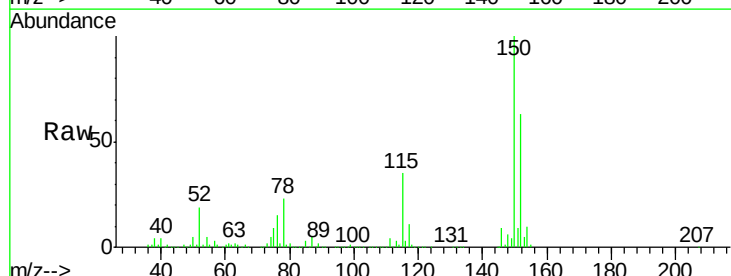


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

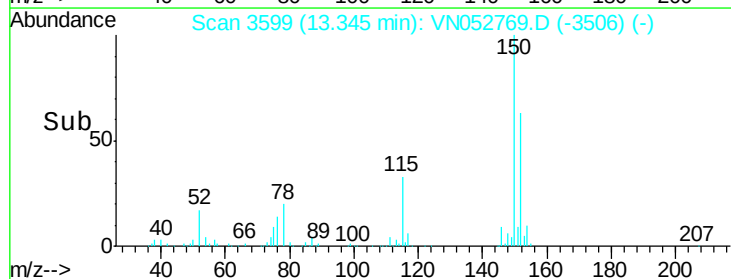
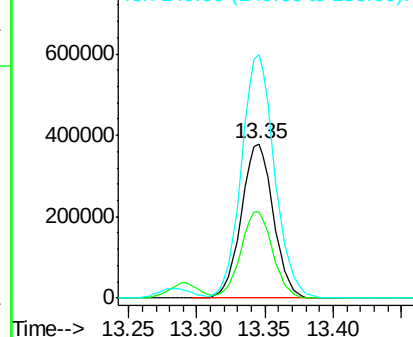


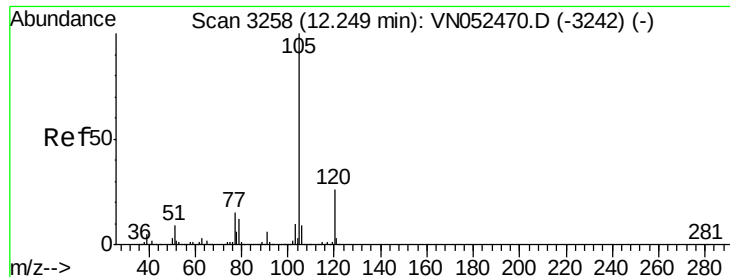
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.4	85.2
150	163.7	0.0	346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.142 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS03

Tot Ion: 105 Resp: 920966

Ion Ratio Lower Upper

105 100

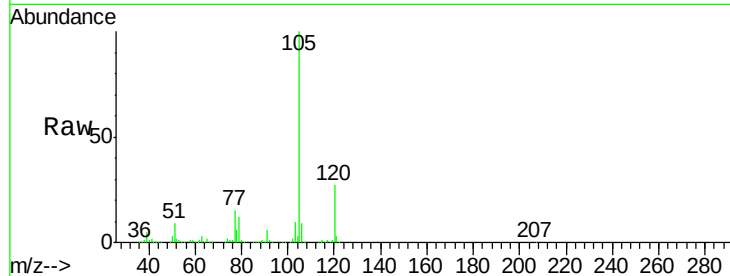
120 26.9 13.1 39.3

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:46:57 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

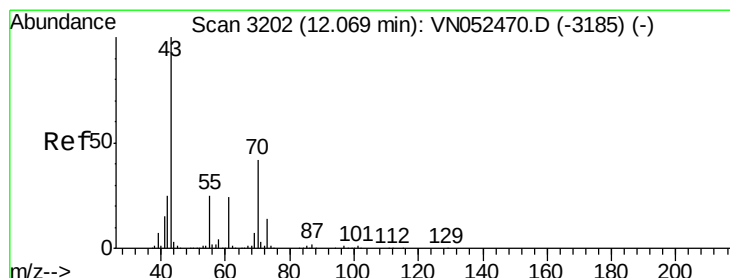
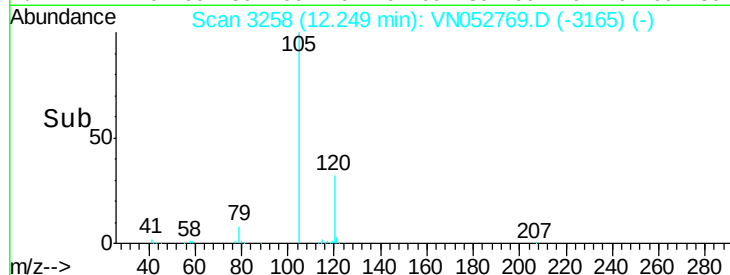
400000

200000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 21.398 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Tgt Ion: 43 Resp: 260087

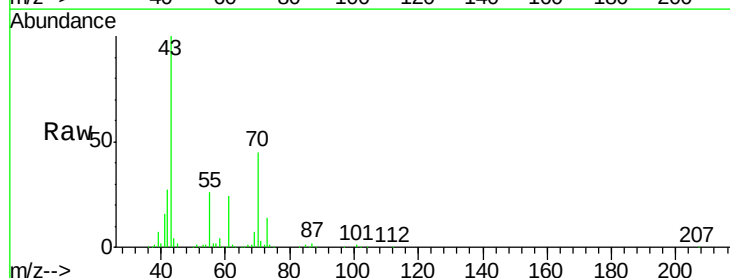
Ion Ratio Lower Upper

43 100

70 44.0 33.8 50.8

55 25.6 20.0 30.0

61 24.7 19.7 29.5



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

250000

200000

150000

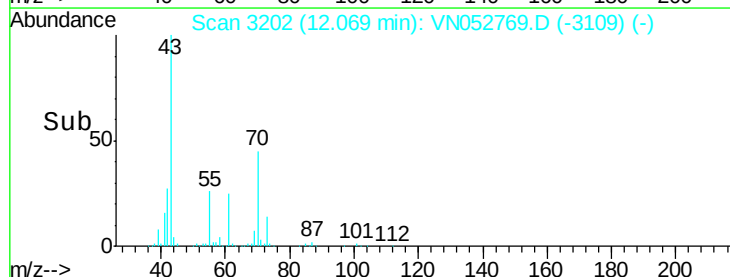
100000

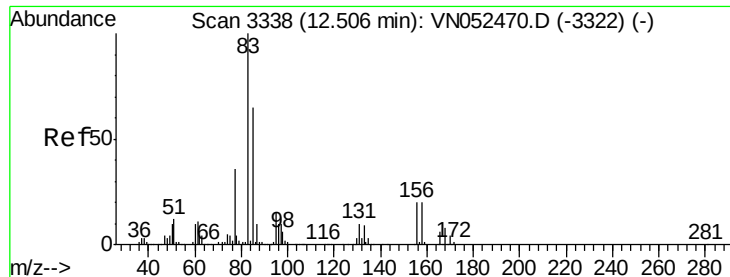
50000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.296 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

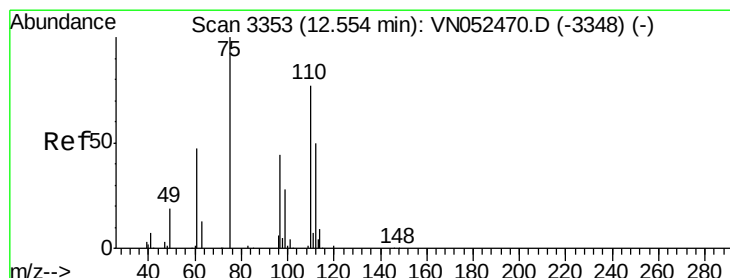
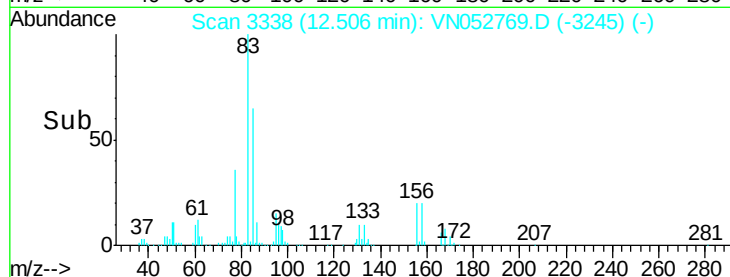
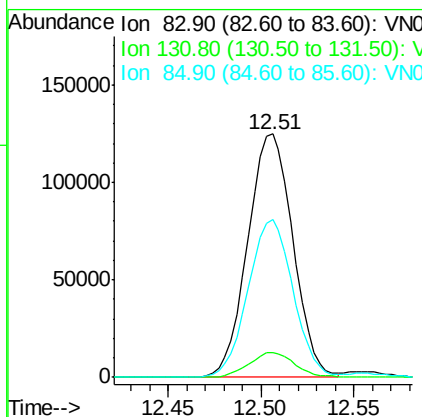
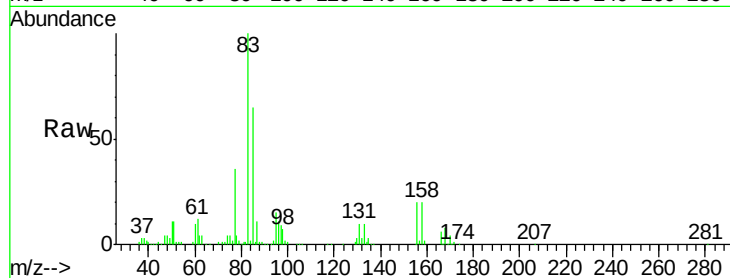
ClientSampleId :

VN1210WBS03

Tot Ion:	83	Resp:	211181
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	64.6	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:46:57 PM



#76

1,2,3-Trichloropropane

Concen: 19.800 ug/l m

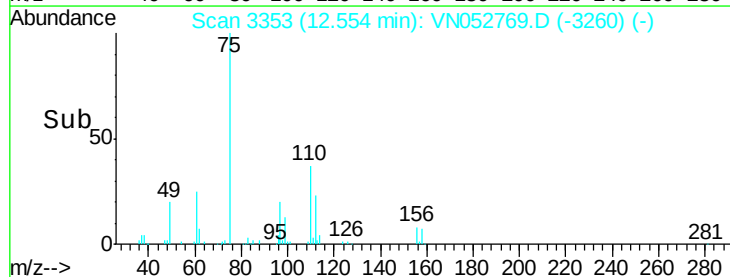
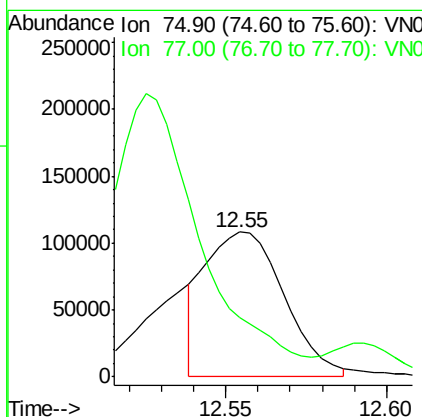
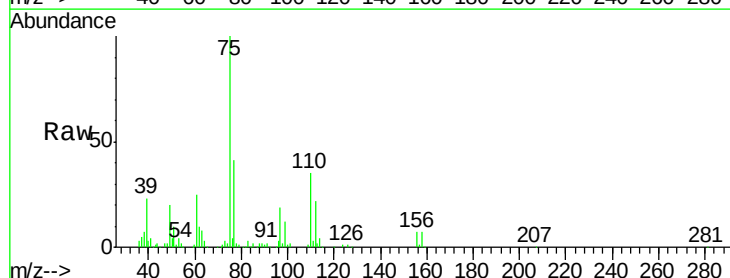
RT: 12.55 min Scan# 3353

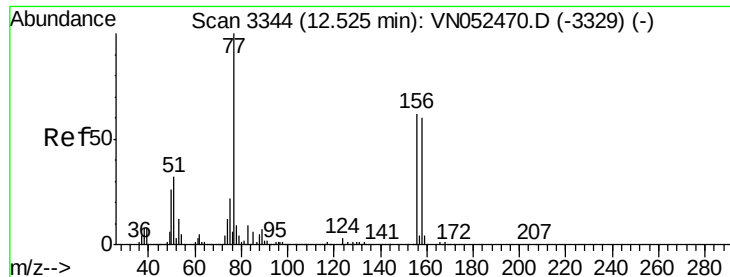
Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Tgt Ion:	75	Resp:	187232
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.749 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

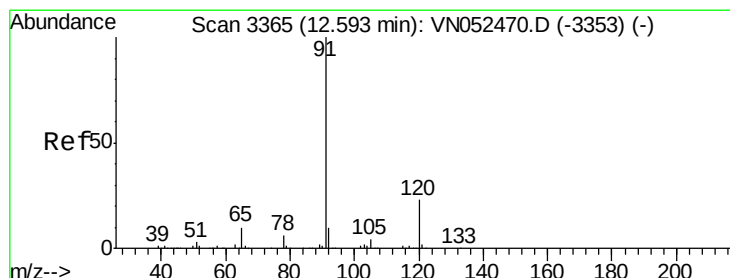
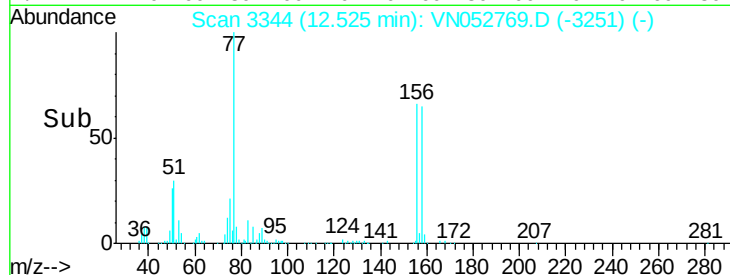
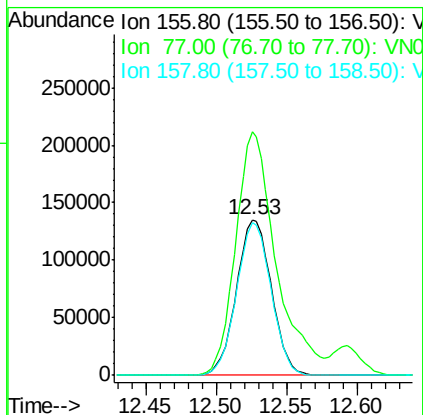
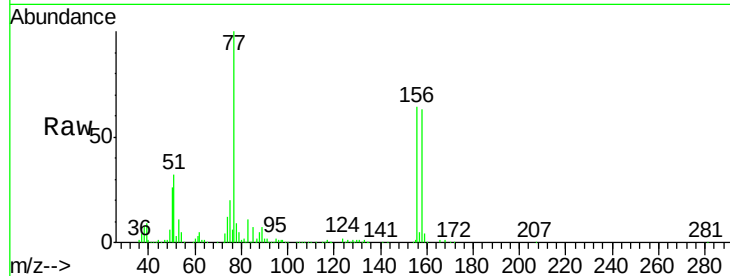
ClientSampleId :

VN1210WBS03

Tot Ion:	156	Resp:	234846
Ion Ratio	Lower	Upper	
156	100		
77	181.2	93.5	280.4
158	97.1	48.3	144.9

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:46:57 PM



#78

n-propylbenzene

Concen: 18.942 ug/l

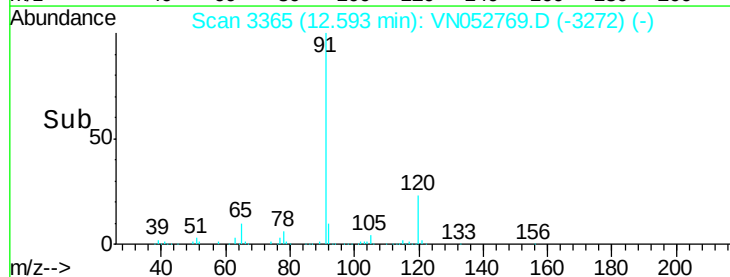
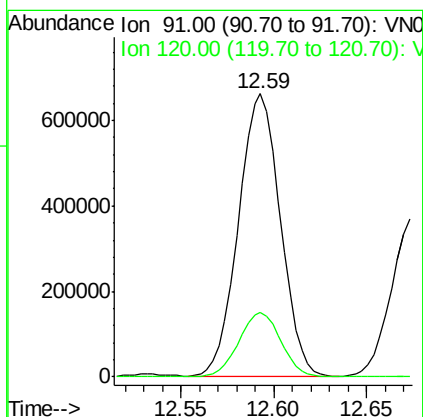
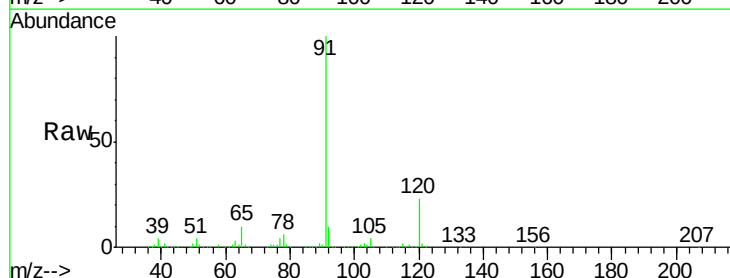
RT: 12.59 min Scan# 3365

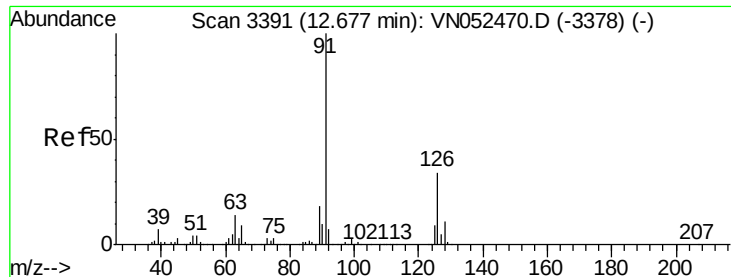
Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Tgt Ion:	91	Resp:	1035317
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.049 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS03

Tot Ion: 91 Resp: 620009

Ion Ratio Lower Upper

91 100

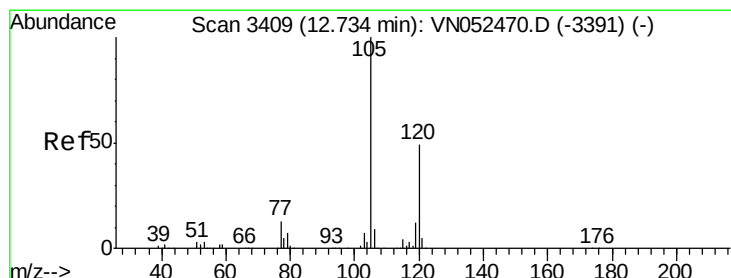
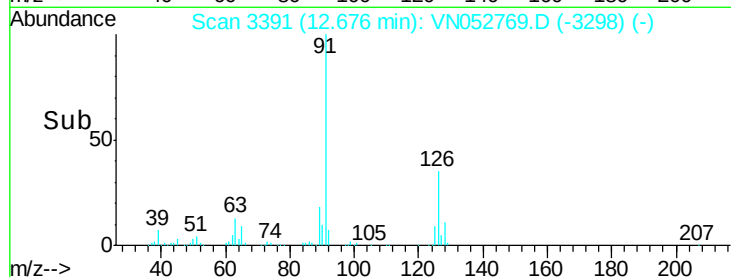
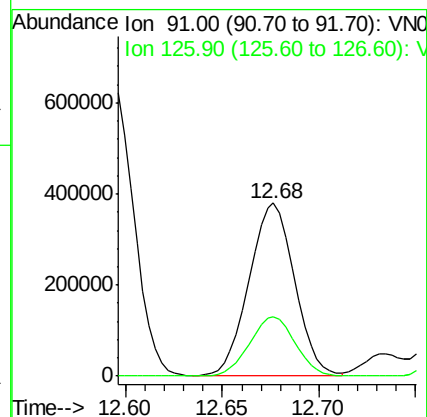
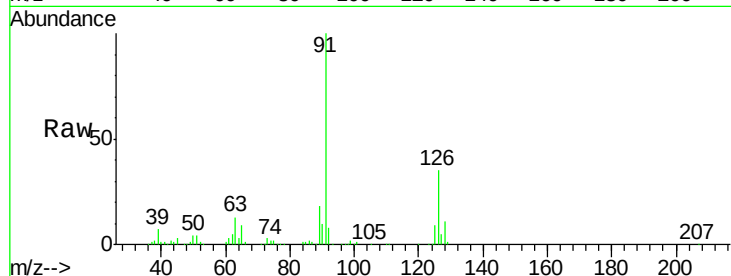
126 34.7 17.2 51.6

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:46:57 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.418 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052769.D

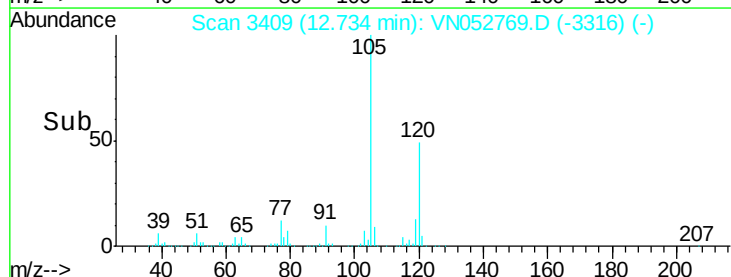
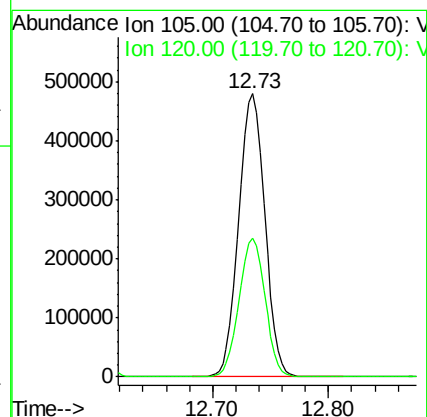
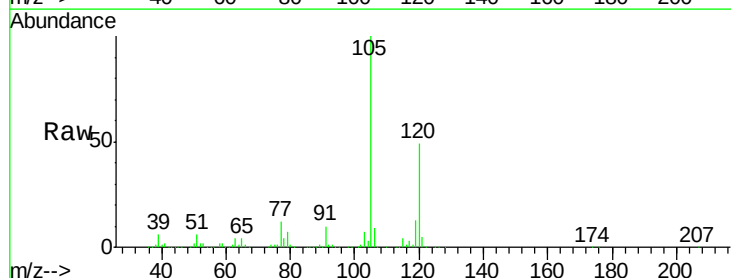
Acq: 10 Dec 2018 23:37

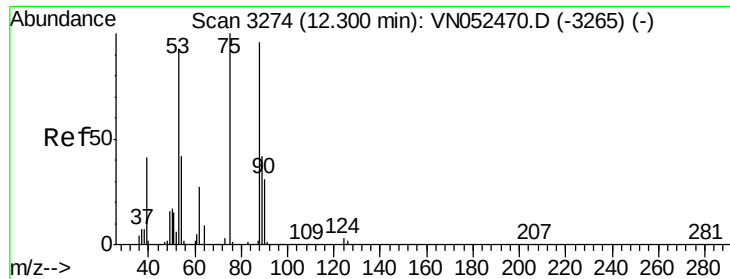
Tgt Ion: 105 Resp: 745100

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0





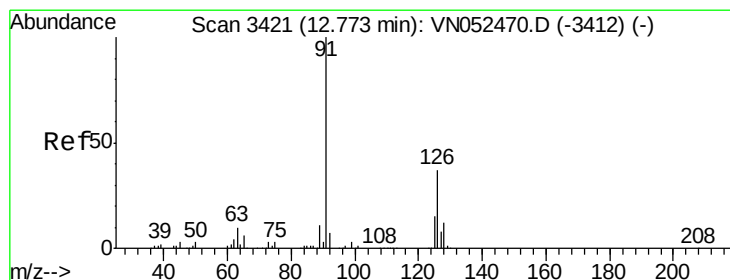
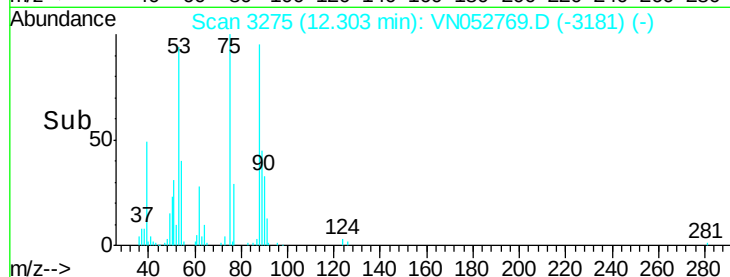
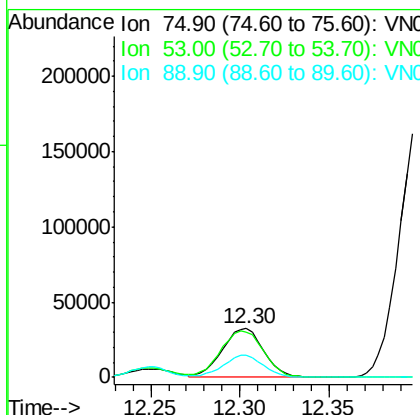
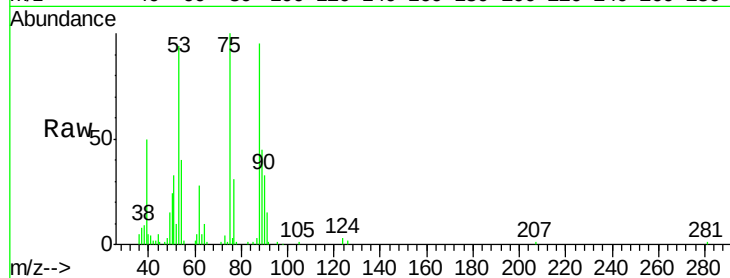
#81
trans-1,4-Dichloro-2-butene
Concen: 18.618 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.1	77.4	116.0
89	43.2	35.4	53.2

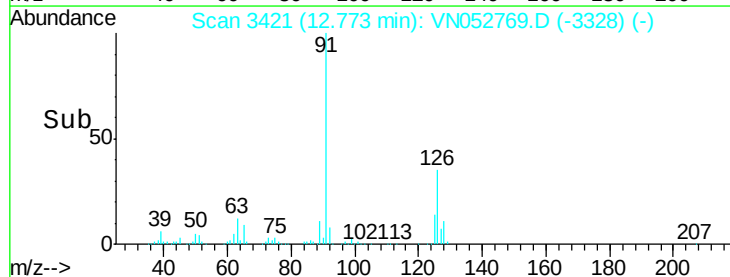
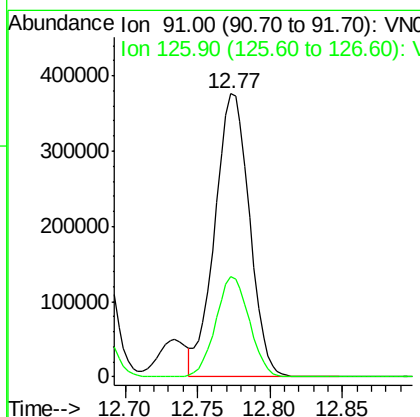
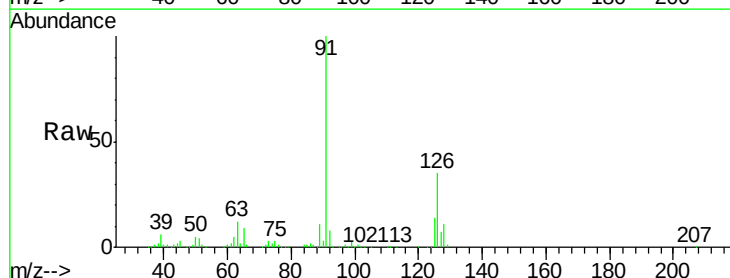
Manual Integrations
APPROVED

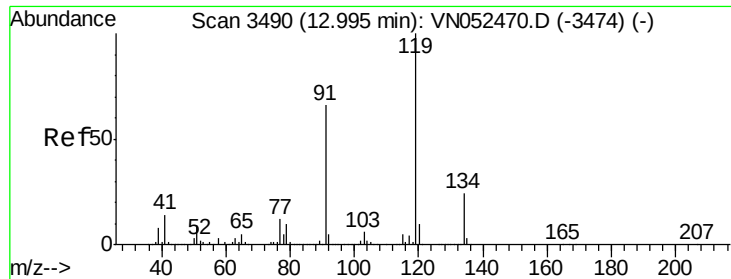
MMDadoda
12/11/2018 12:46:57 PM



#82
4-Chlorotoluene
Concen: 19.026 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.9	50.6





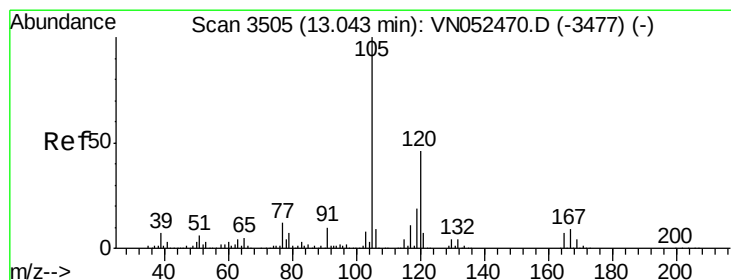
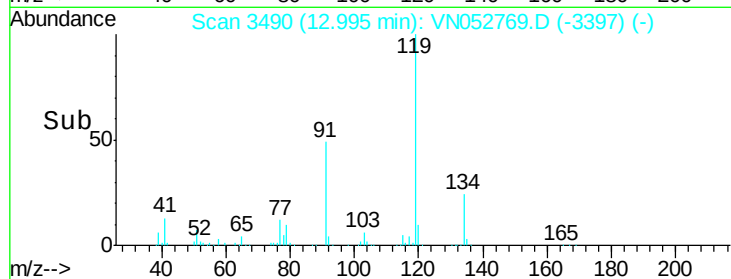
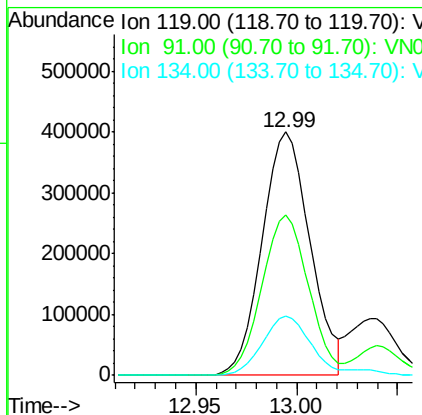
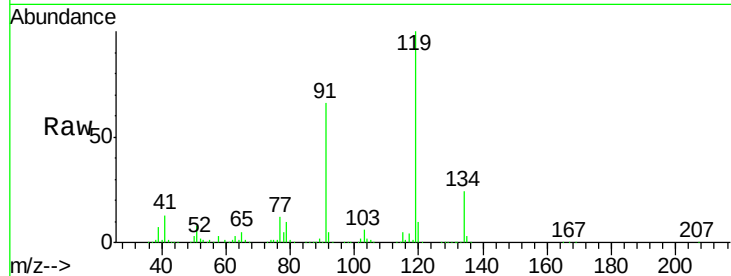
#83
 tert-Butylbenzene
 Concen: 19.307 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	660459		
91	64.5	32.3	96.9	
134	25.8	13.0	38.9	

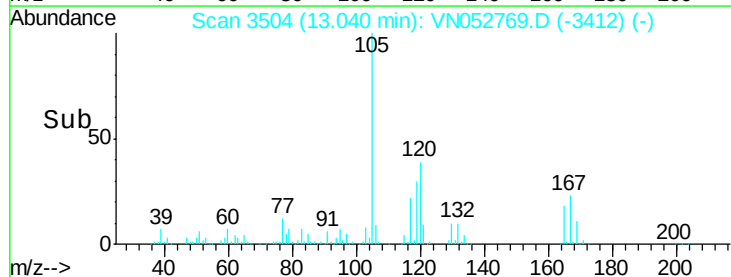
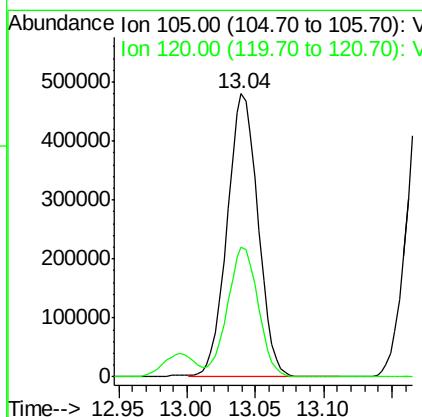
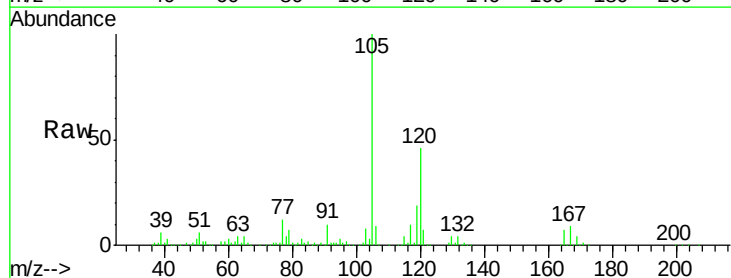
Manual Integrations
 APPROVED

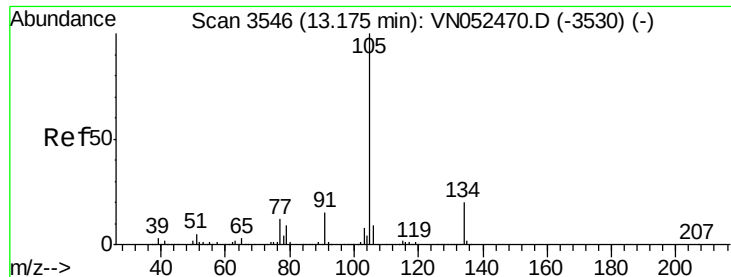
MMDadoda
 12/11/2018 12:46:57 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.568 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	752462		
120	46.0	22.8	68.4	





#85

sec-Butylbenzene

Concen: 19.108 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS03

Tot Ion:105 Resp: 890274

Ion Ratio Lower Upper

105 100

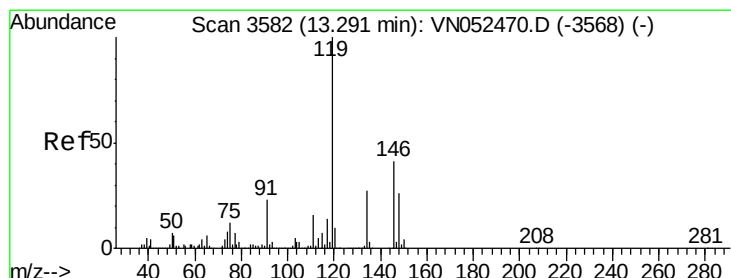
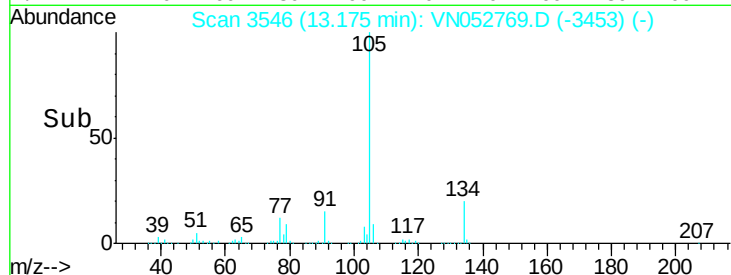
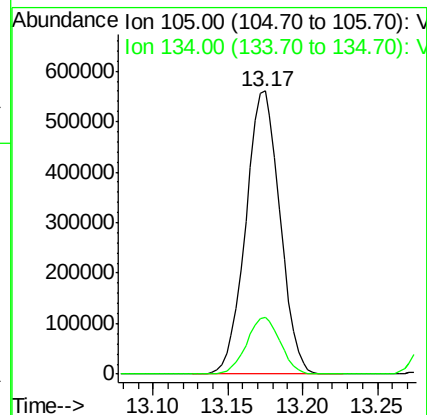
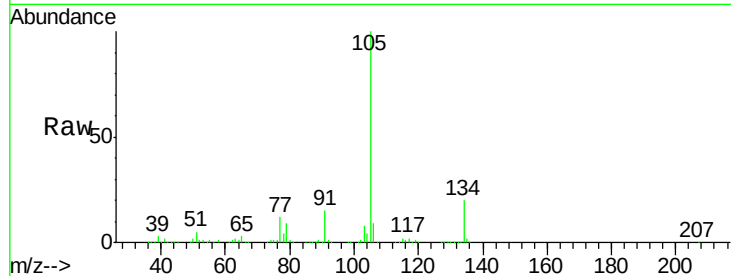
134 19.9 9.9 29.7

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:46:57 PM



#86

p-Isopropyltoluene

Concen: 19.170 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

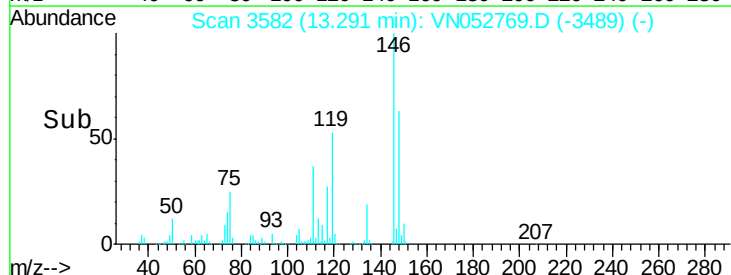
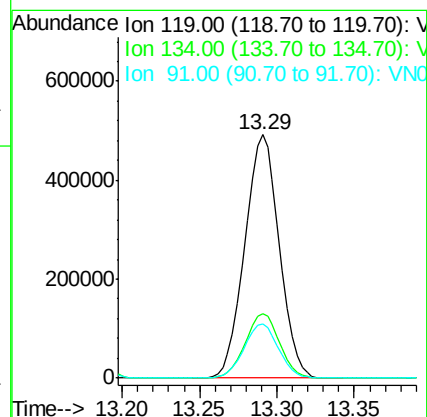
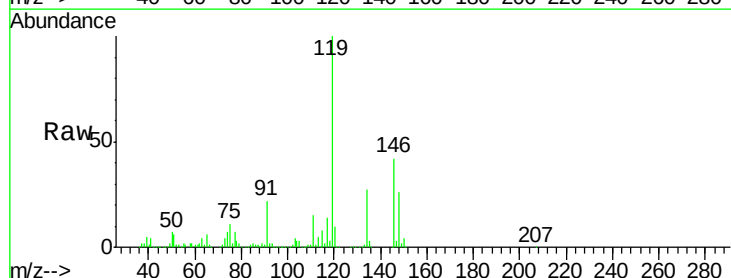
Tgt Ion:119 Resp: 760735

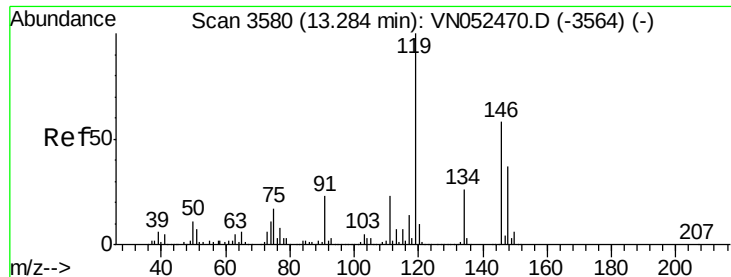
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.4 11.4 34.2





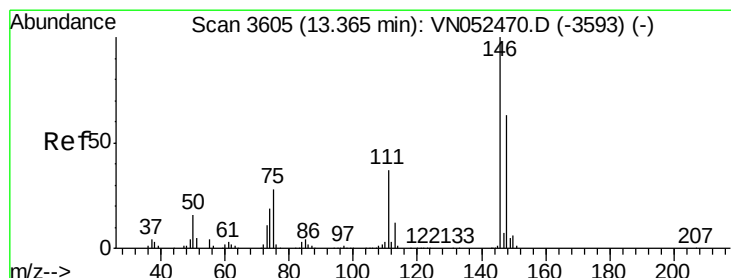
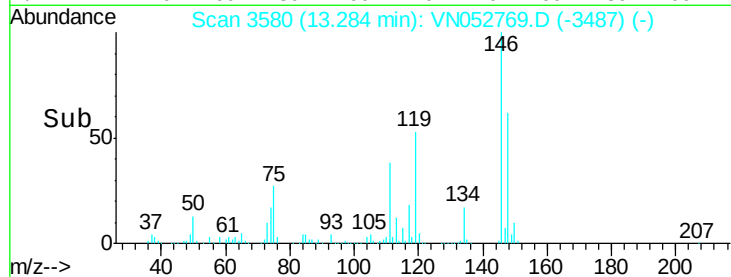
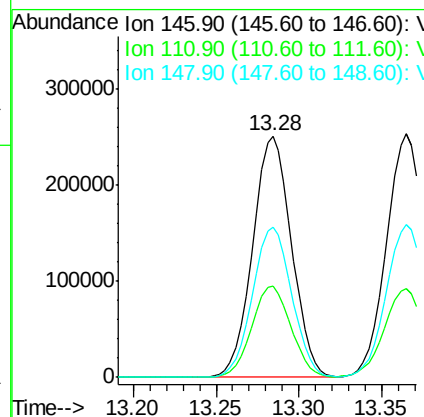
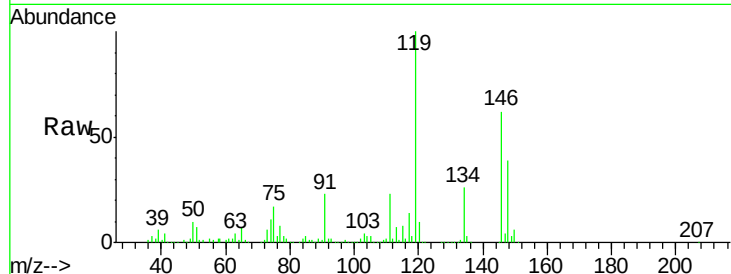
#87
 1,3-Dichlorobenzene
 Concen: 19.597 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.4
148	63.1	31.8	95.4

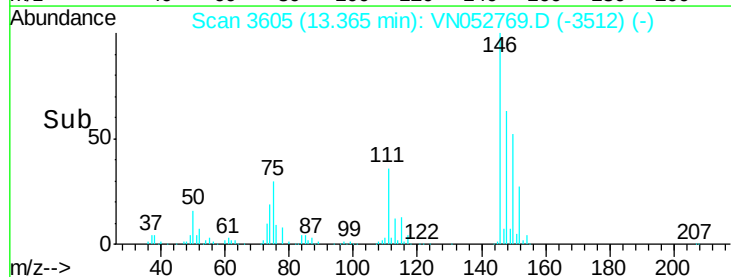
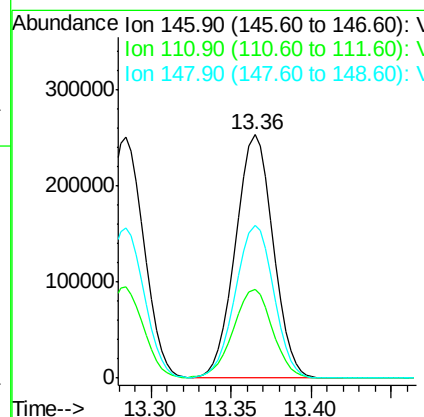
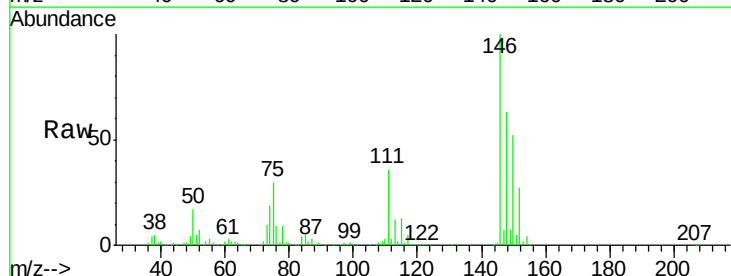
Manual Integrations
 APPROVED

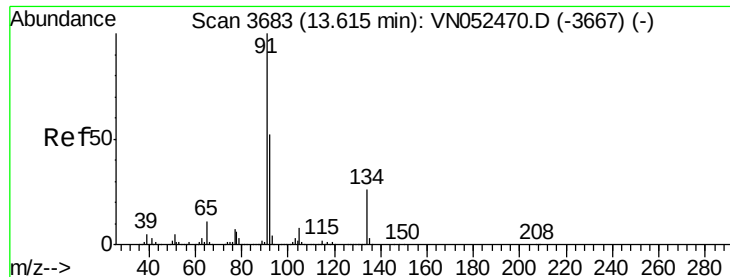
MMDadoda
 12/11/2018 12:46:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.753 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	56.0
148	64.3	31.9	95.9





#89

n-Butylbenzene

Concen: 18.892 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

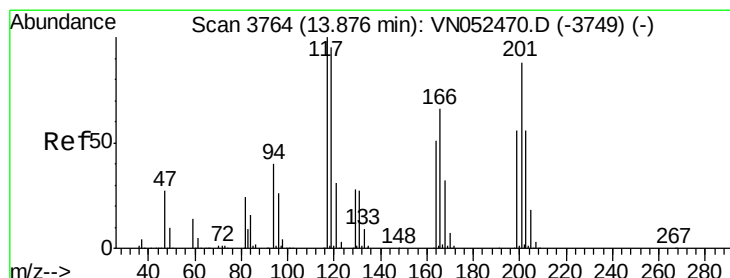
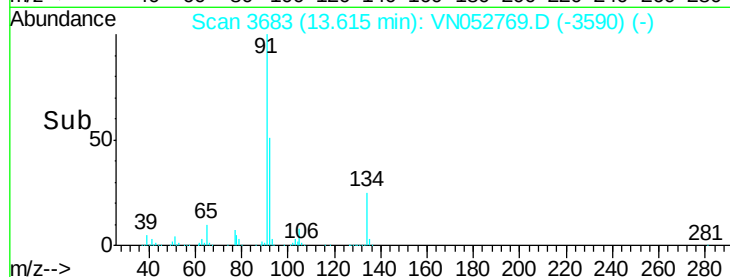
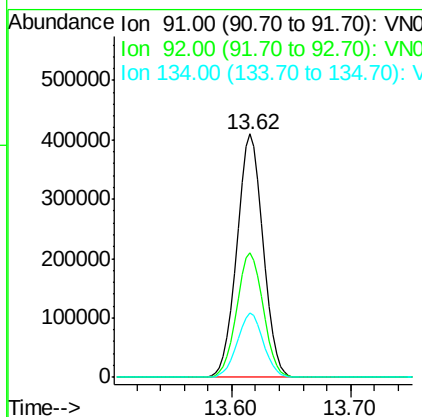
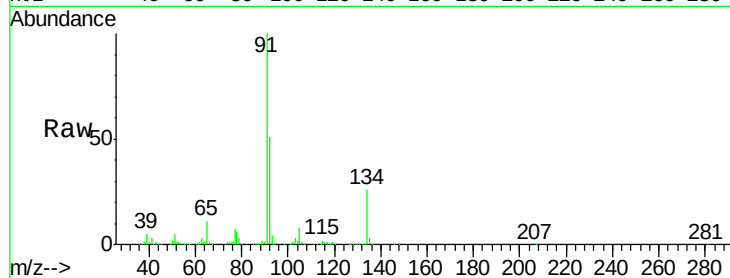
ClientSampleId :

VN1210WBS03

Tot Ion:	91	Resp:	623490
Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.3
134	26.2	13.0	38.9

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:46:57 PM



#90

Hexachloroethane

Concen: 18.537 ug/l

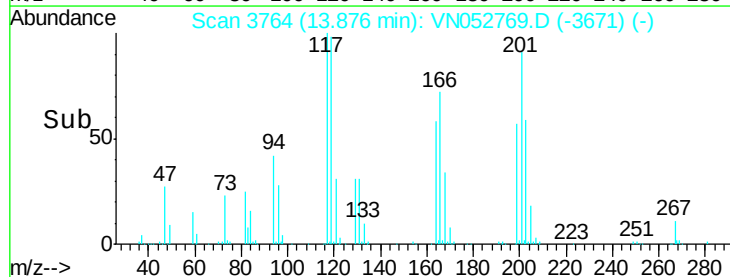
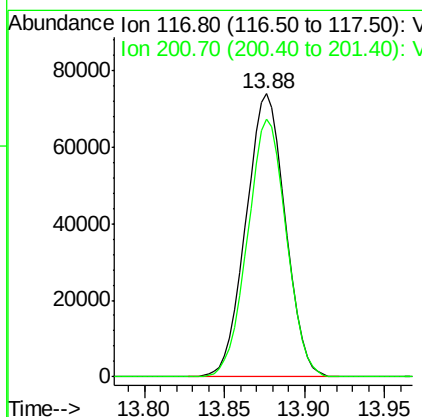
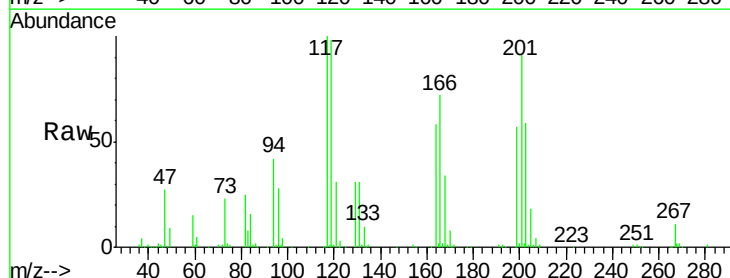
RT: 13.88 min Scan# 3764

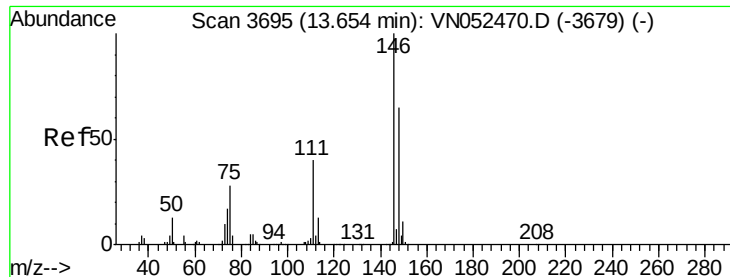
Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Tgt Ion:	117	Resp:	124554
Ion	Ratio	Lower	Upper
117	100		
201	89.9	43.6	130.9





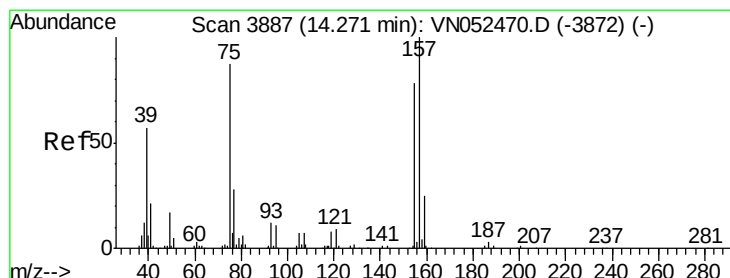
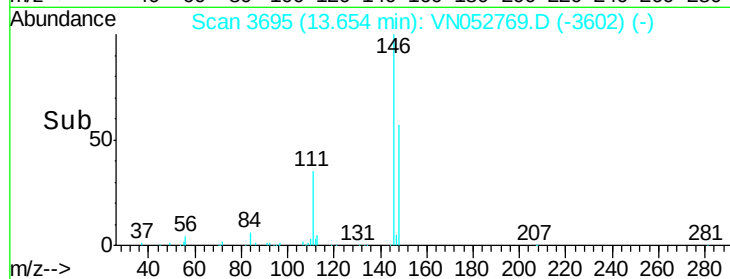
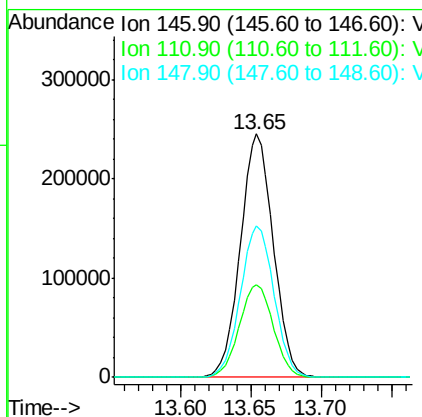
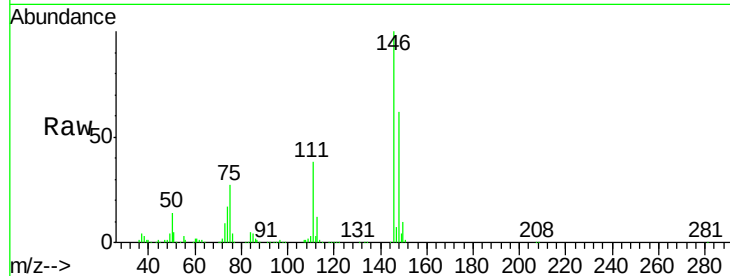
#91
 1,2-Dichlorobenzene
 Concen: 20.256 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	63.4	32.0	96.2

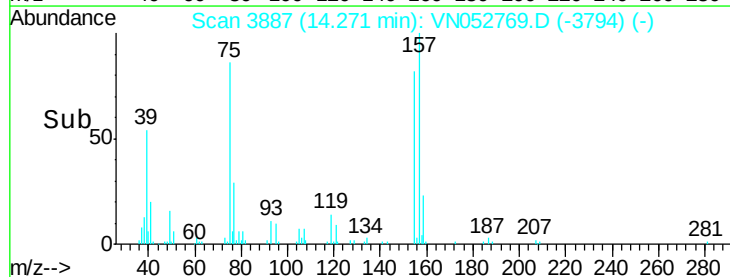
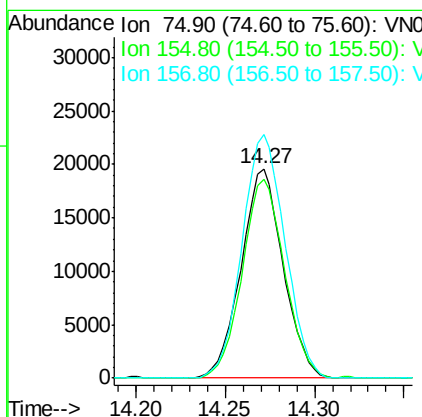
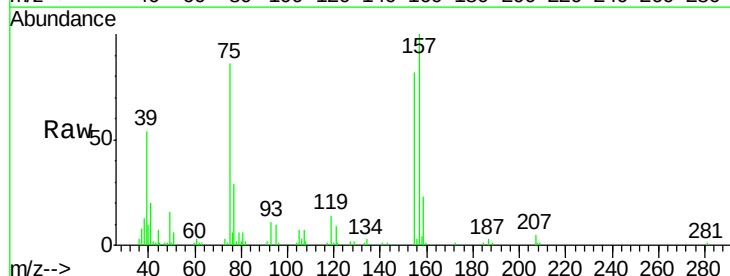
Manual Integrations
 APPROVED

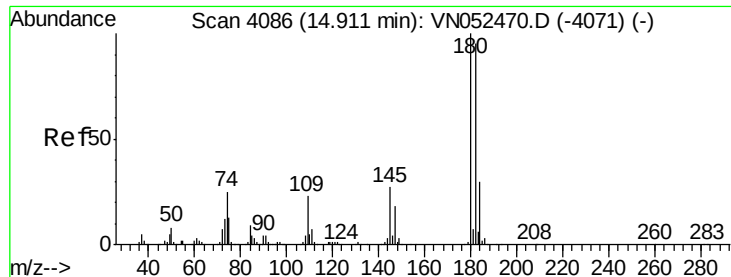
MMDadoda
 12/11/2018 12:46:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.635 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052769.D
 Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	45.3	135.9
157	118.8	58.1	174.2





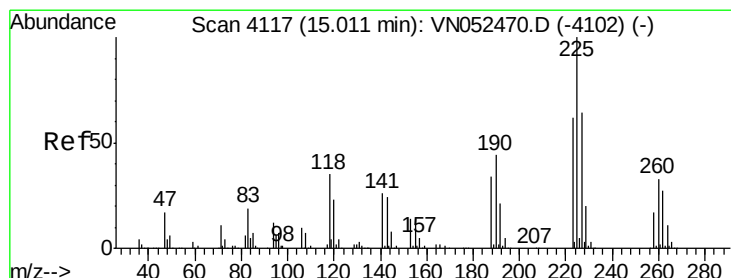
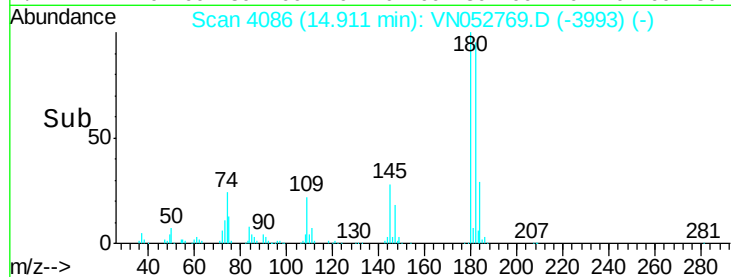
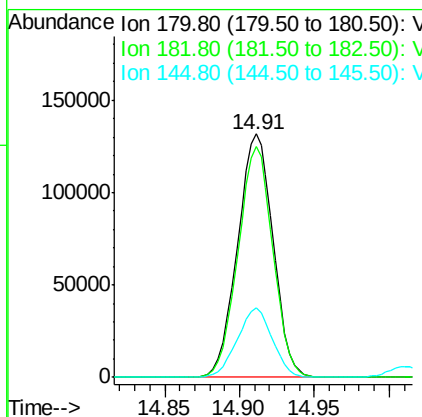
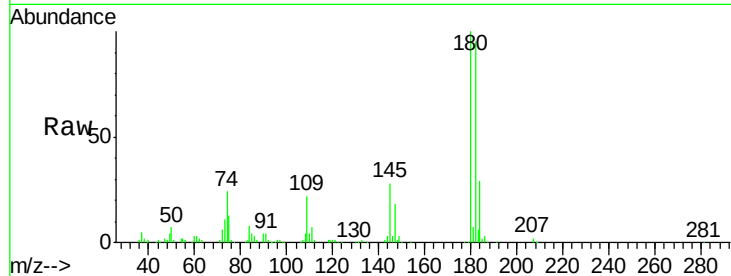
#93
1,2,4-Trichlorobenzene
Concen: 21.648 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	217159		
182	93.1	47.8	143.4	
145	28.1	14.1	42.3	

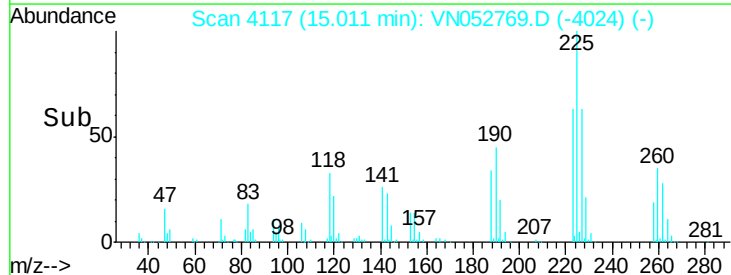
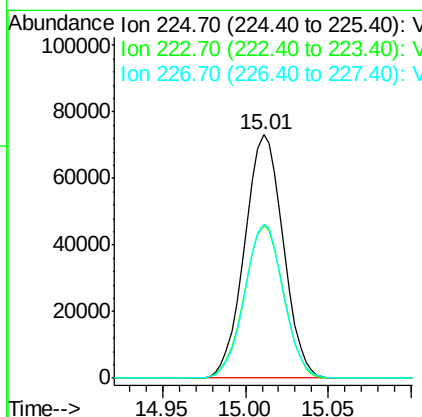
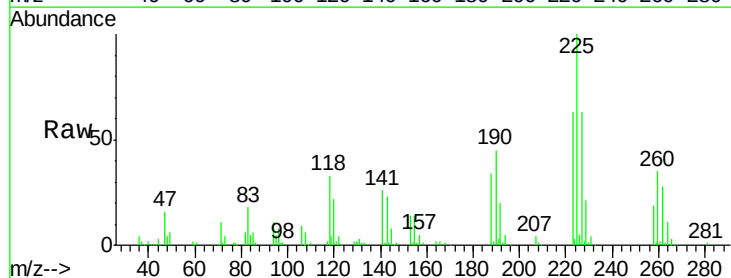
Manual Integrations
APPROVED

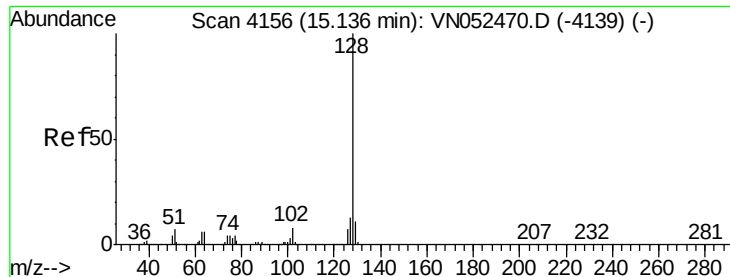
MMDadoda
12/11/2018 12:46:57 PM



#94
Hexachlorobutadiene
Concen: 18.588 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN052769.D
Acq: 10 Dec 2018 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118841		
223	63.5	31.4	94.2	
227	63.2	32.5	97.4	





#95

Naphthalene

Concen: 21.963 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Instrument :

MSVOA_N

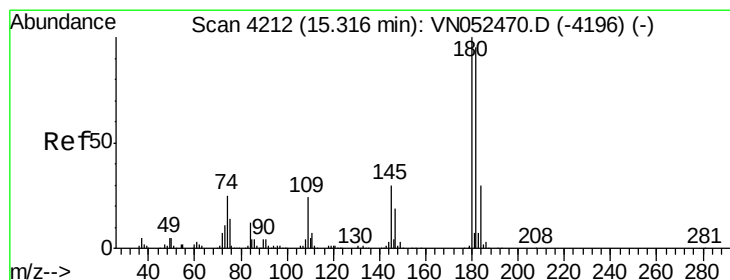
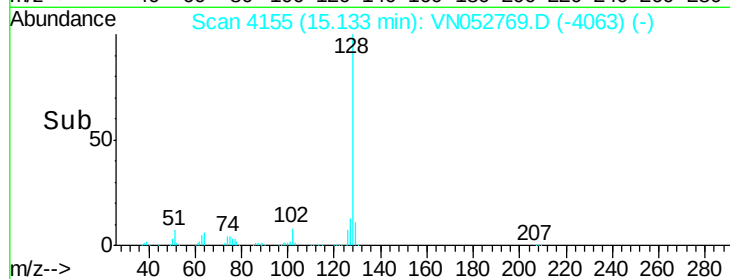
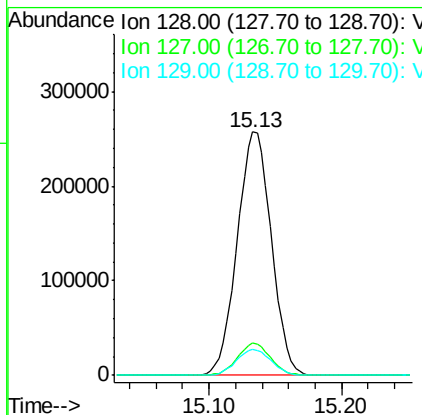
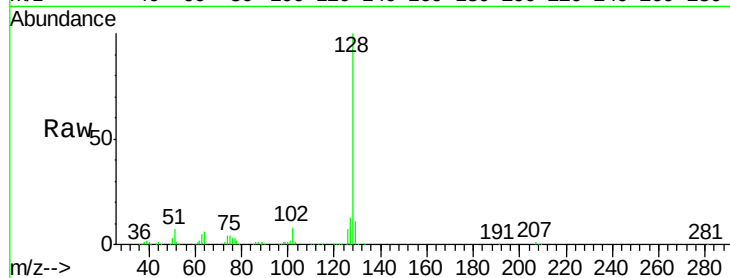
ClientSampleId :

VN1210WBS03

Tot Ion:	128	Resp:	459424
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:46:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.653 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052769.D

Acq: 10 Dec 2018 23:37

Tgt Ion:	180	Resp:	200374
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.8	143.3
145	30.2	15.2	45.5

