

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050360.D
 Acq On : 4 Aug 2018 12:28
 Operator : MD\SY
 Sample : VN0804WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:39:57 AM

Quant Time: Aug 06 02:08:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	504681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	765373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	710760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	373439	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	367073	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
35) Dibromofluoromethane	7.59	113	321195	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	10.09	98	1154814	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	390805	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	122777	16.93	ug/l	100
3) Chloromethane	2.06	50	130232	16.52	ug/l	97
4) Vinyl Chloride	2.18	62	133995	16.14	ug/l	99
5) Bromomethane	2.56	94	74684	15.51	ug/l	96
6) Chloroethane	2.70	64	83333	16.72	ug/l	100
7) Trichlorofluoromethane	3.01	101	183804	17.09	ug/l	98
8) Diethyl Ether	3.41	74	71680	20.00	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	114615	17.72	ug/l	99
10) Methyl Iodide	3.95	142	60181	7.25	ug/l	97
11) Tert butyl alcohol	4.80	59	53543	103.34	ug/l	99
12) 1,1-Dichloroethene	3.73	96	98228	16.89	ug/l	98
13) Acrolein	3.61	56	69184	166.20	ug/l	97
14) Allyl chloride	4.32	41	166627	18.47	ug/l	99
15) Acrylonitrile	5.00	53	235417	104.15	ug/l	99
16) Acetone	3.82	43	183408	108.12	ug/l	99
17) Carbon Disulfide	4.05	76	251419	14.11	ug/l	98
18) Methyl Acetate	4.33	43	170698	25.67	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	322904	20.83	ug/l	97
20) Methylene Chloride	4.55	84	133493	20.65	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	107467	17.44	ug/l	100
22) Diisopropyl ether	5.96	45	382465	21.39	ug/l	98
23) Vinyl Acetate	5.90	43	1182123	93.53	ug/l	99
24) 1,1-Dichloroethane	5.85	63	224154	19.17	ug/l	99
25) 2-Butanone	6.84	43	277029	103.15	ug/l	99
26) 2,2-Dichloropropane	6.83	77	174238	19.58	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	131637	19.84	ug/l	99
28) Bromochloromethane	7.20	49	119953	22.49	ug/l	100
29) Tetrahydrofuran	7.22	42	179856	103.63	ug/l	99
30) Chloroform	7.37	83	235285	19.72	ug/l	100
31) Cyclohexane	7.66	56	158118	16.26	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	189482	18.56	ug/l	99
36) 1,1-Dichloropropene	7.80	75	150567	17.46	ug/l	99
37) Ethyl Acetate	6.93	43	116663	19.40	ug/l	99
38) Carbon Tetrachloride	7.78	117	162160	17.72	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050360.D
 Acq On : 4 Aug 2018 12:28
 Operator : MD\SY
 Sample : VN0804WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:39:57 AM

Quant Time: Aug 06 02:08:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	142292	16.04	ug/l	94
40) Benzene	8.04	78	498764	19.01	ug/l	99
41) Methacrylonitrile	7.18	41	58919	20.53	ug/l	87
42) 1,2-Dichloroethane	8.13	62	172025	19.65	ug/l	99
43) Isopropyl Acetate	8.17	43	225581	19.21	ug/l	98
44) Trichloroethene	8.84	130	126002	17.87	ug/l	100
45) 1,2-Dichloropropane	9.12	63	138627	19.95	ug/l	97
46) Dibromomethane	9.21	93	87086	20.18	ug/l	99
47) Bromodichloromethane	9.40	83	179776	19.74	ug/l	100
48) Methyl methacrylate	9.20	41	105732	20.42	ug/l	99
49) 1,4-Dioxane	9.20	88	31097	441.32	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	625778	105.88	ug/l	99
52) Toluene	10.16	92	305315	19.71	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	172617	20.08	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	197590	20.12	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	127306	20.72	ug/l	98
56) Ethyl methacrylate	10.43	69	152311	19.59	ug/l	99
57) 1,3-Dichloropropane	10.71	76	208958	20.89	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	342817	93.69	ug/l	99
59) 2-Hexanone	10.75	43	422420	100.43	ug/l	98
60) Dibromochloromethane	10.90	129	139730	20.54	ug/l	98
61) 1,2-Dibromoethane	11.01	107	122176	20.04	ug/l	97
64) Tetrachloroethene	10.63	164	119211	17.45	ug/l	98
65) Chlorobenzene	11.44	112	334815	18.65	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	133991	19.42	ug/l	98
67) Ethyl Benzene	11.51	91	531949	18.44	ug/l	99
68) m/p-Xylenes	11.62	106	419765	38.48	ug/l	99
69) o-Xylene	11.95	106	202763	19.50	ug/l	98
70) Styrene	11.97	104	334999	18.70	ug/l	99
71) Bromoform	12.13	173	94555	18.84	ug/l #	98
73) Isopropylbenzene	12.25	105	527144	18.20	ug/l	100
74) N-amyl acetate	12.07	43	168974	19.09	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	167838	20.66	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	142147m	20.48	ug/l	
77) Bromobenzene	12.53	156	147270	18.35	ug/l	98
78) n-propylbenzene	12.59	91	593902	18.35	ug/l	100
79) 2-Chlorotoluene	12.68	91	377435	18.81	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	440000	19.31	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40870	18.68	ug/l	95
82) 4-Chlorotoluene	12.78	91	379739	19.11	ug/l	99
83) tert-Butylbenzene	12.99	119	373961	18.81	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	454809	19.81	ug/l	100
85) sec-Butylbenzene	13.17	105	495702	18.66	ug/l	100
86) p-Isopropyltoluene	13.29	119	427455	19.10	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	256955	18.88	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	252048	19.00	ug/l	98
89) n-Butylbenzene	13.62	91	335907	18.25	ug/l	99
90) Hexachloroethane	13.88	117	75547	15.20	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	261443	19.22	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25988	19.65	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
Data File : VN050360.D
Acq On : 4 Aug 2018 12:28
Operator : MD\SY
Sample : VN0804WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

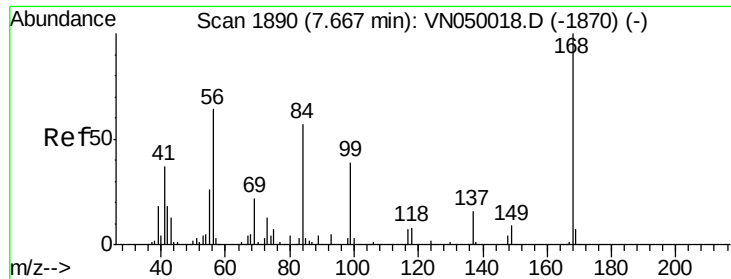
Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:39:57 AM

Quant Time: Aug 06 02:08:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	126179	19.50	ug/l	99
94) Hexachlorobutadiene	15.01	225	75829	18.21	ug/l	99
95) Naphthalene	15.13	128	279894	19.38	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	127323	19.53	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

Tot Ion:168 Resp: 504681

Ion Ratio Lower Upper

168 100

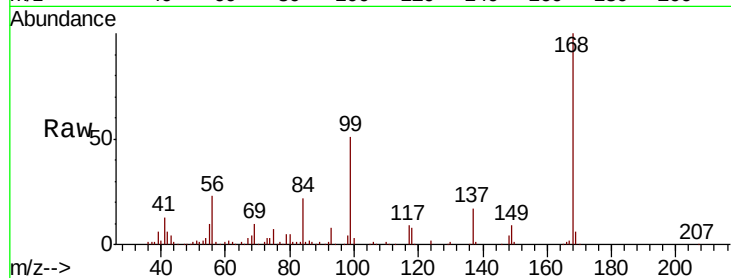
99 51.0 40.0 60.0

Manual Integrations

APPROVED

MMDadoda

8/6/2018 11:39:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

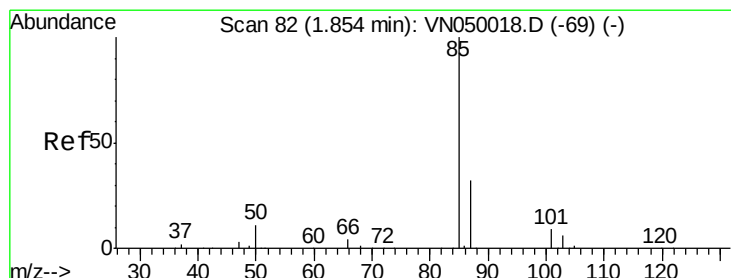
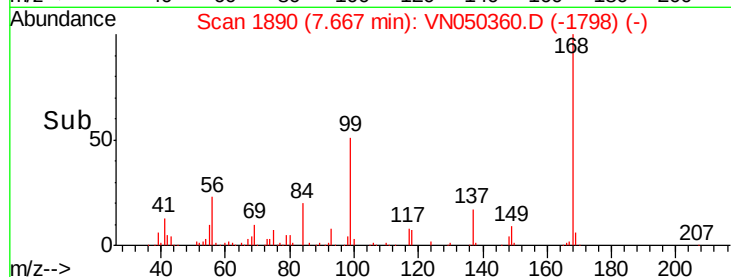
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.93 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050360.D

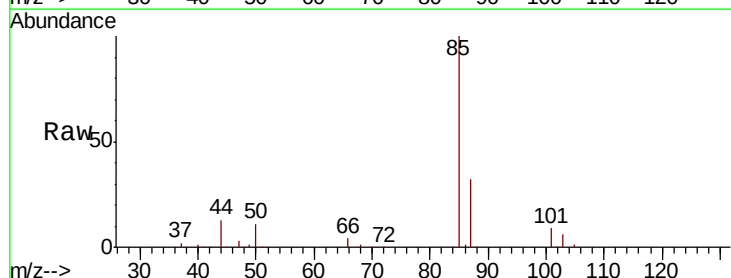
Acq: 4 Aug 2018 12:28

Tgt Ion: 85 Resp: 122777

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

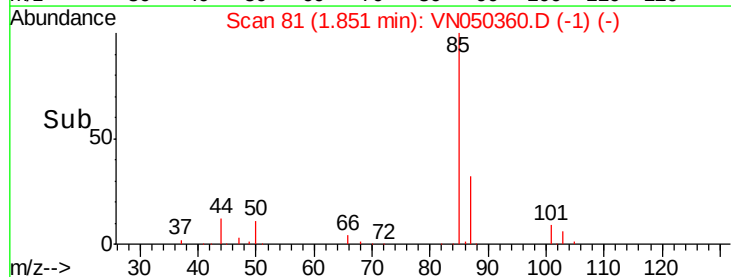
40000

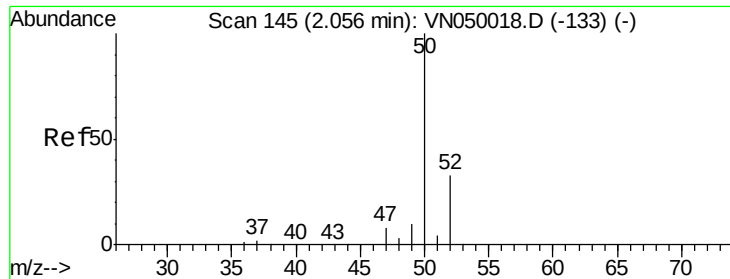
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.52 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

Tot Ion: 50 Resp: 130232

Ion Ratio Lower Upper

50 100

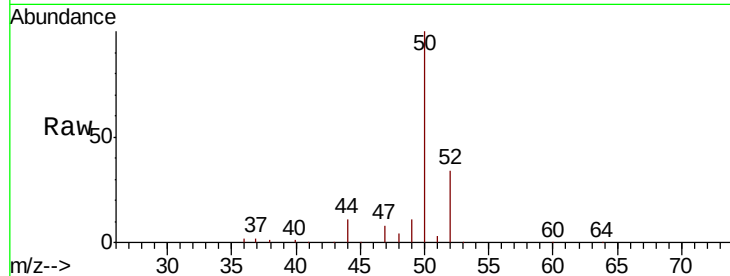
52 34.1 25.9 38.9

Manual Integrations

APPROVED

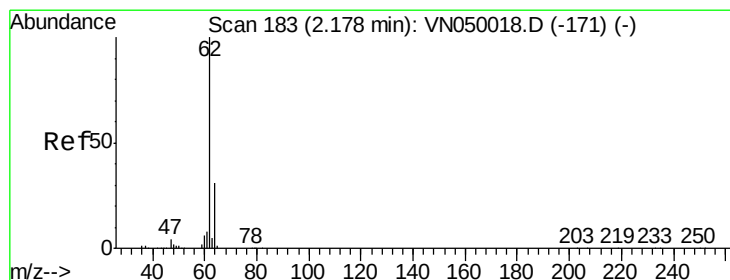
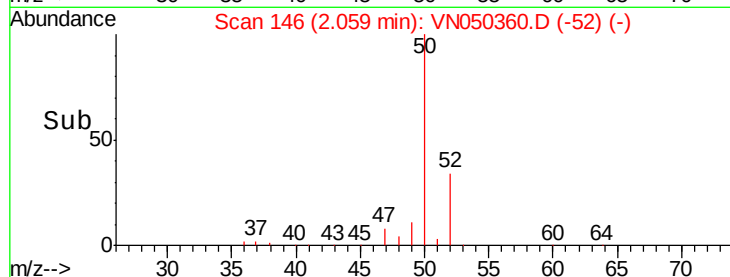
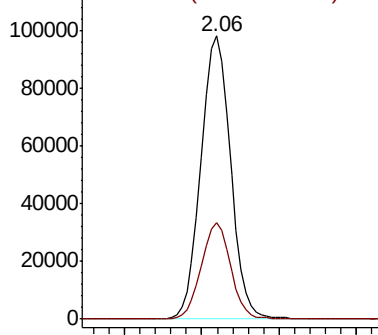
MMDadoda

8/6/2018 11:39:57 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.14 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050360.D

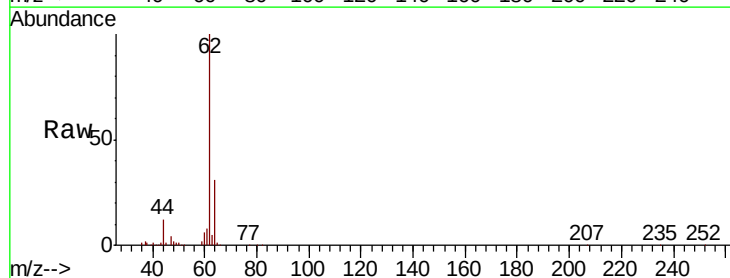
Acq: 4 Aug 2018 12:28

Tgt Ion: 62 Resp: 133995

Ion Ratio Lower Upper

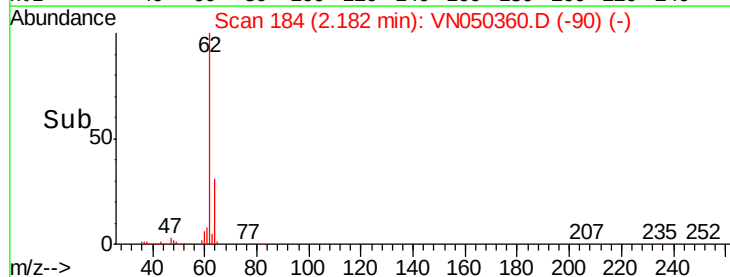
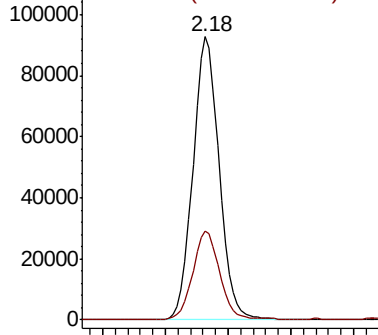
62 100

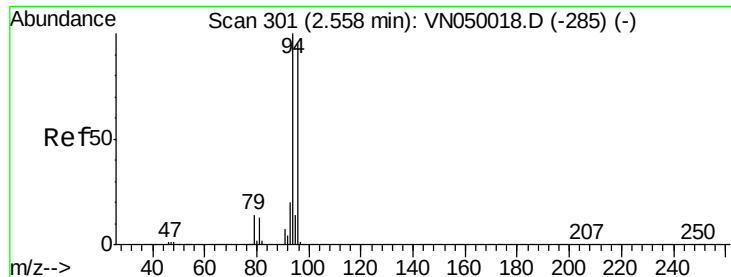
64 31.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 15.51 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

Tot Ion: 94 Resp: 74684

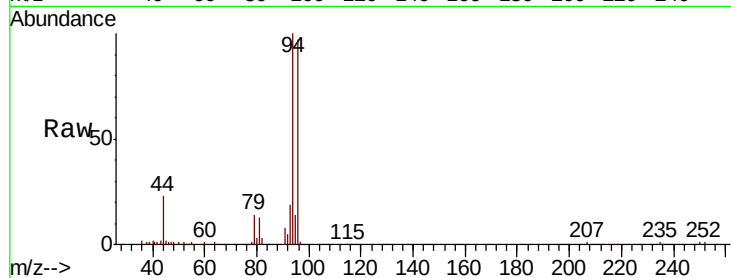
Ion Ratio Lower Upper

94 100

96 96.9 74.6 112.0

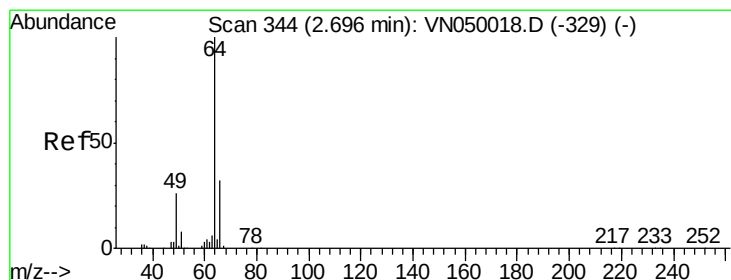
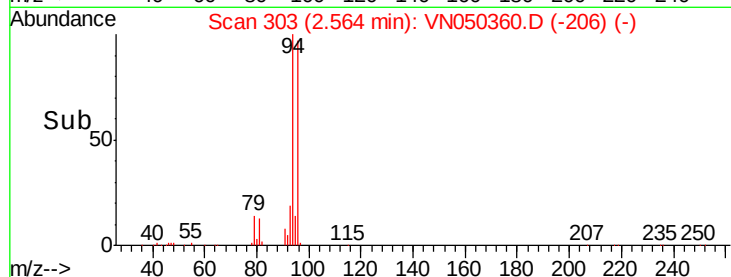
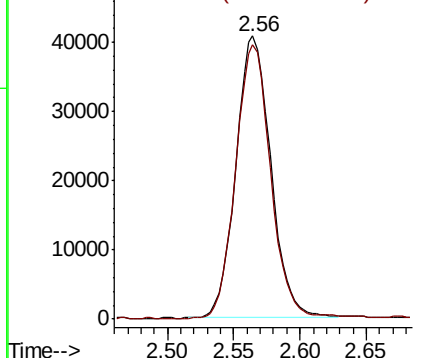
Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:39:57 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.72 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050360.D

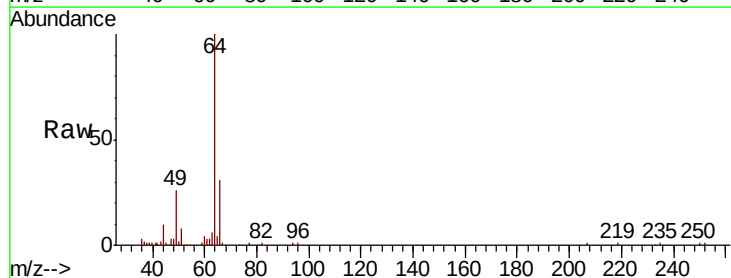
Acq: 4 Aug 2018 12:28

Tgt Ion: 64 Resp: 83333

Ion Ratio Lower Upper

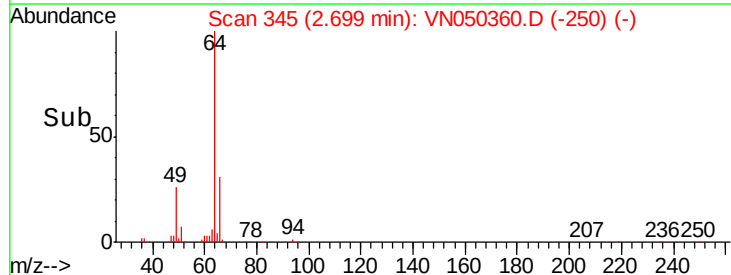
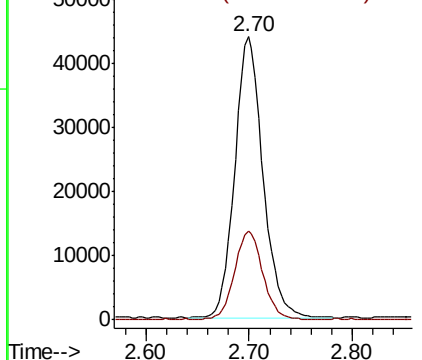
64 100

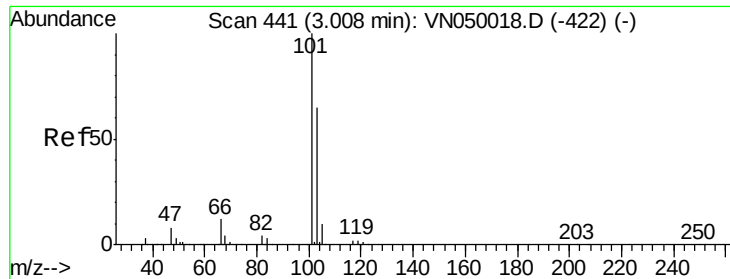
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

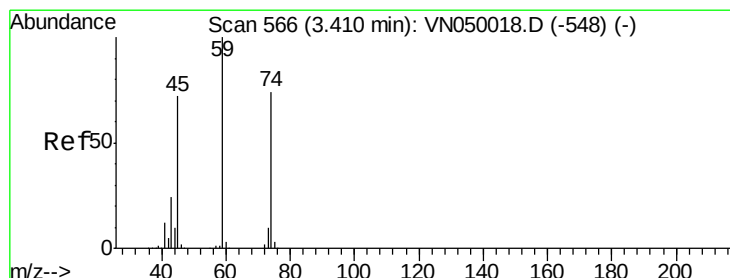
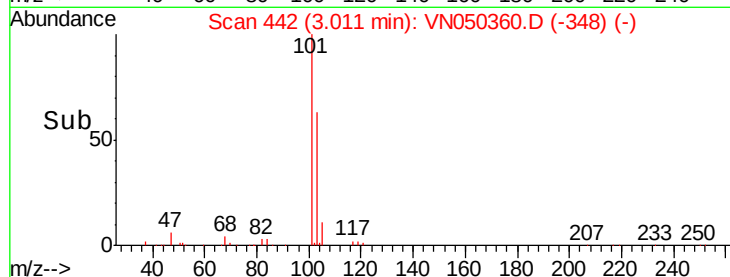
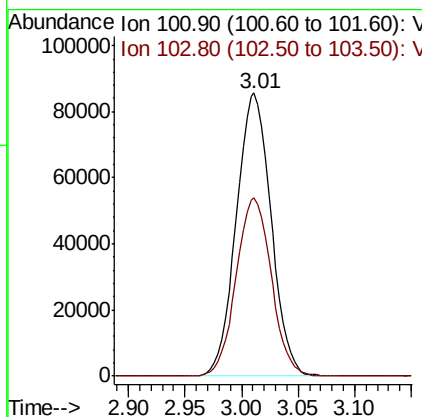
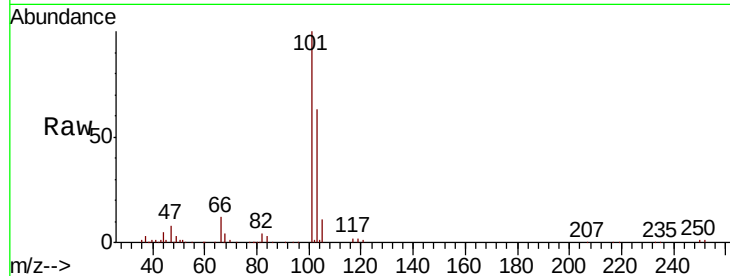
Trichlorofluoromethane
 Concen: 17.09 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.7	77.5

Manual Integrations
 APPROVED

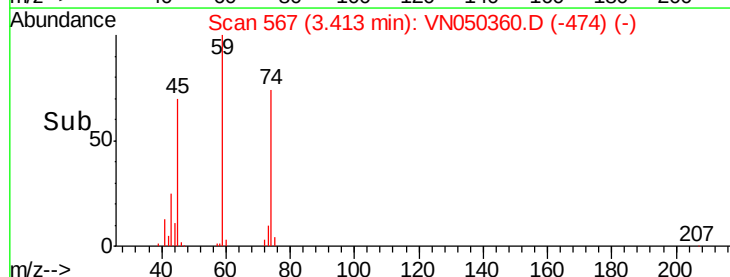
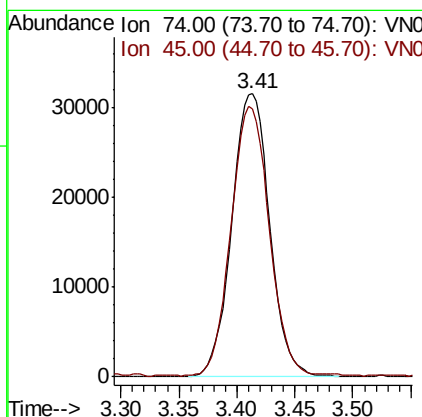
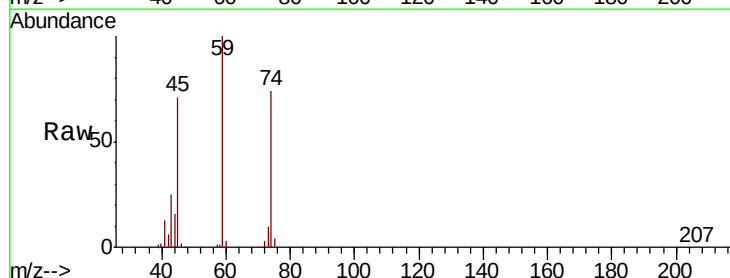
MMDadoda
 8/6/2018 11:39:57 AM

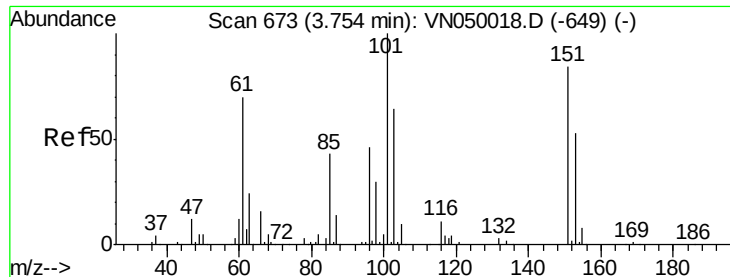


#8

Diethyl Ether
 Concen: 20.00 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.72 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

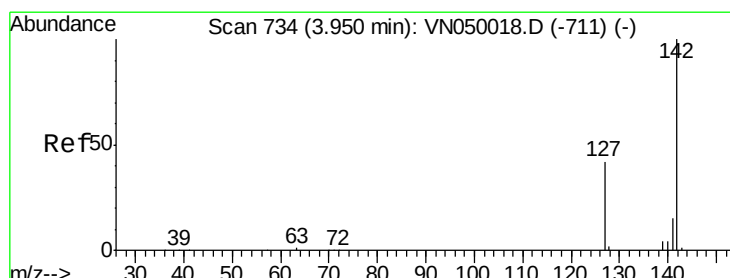
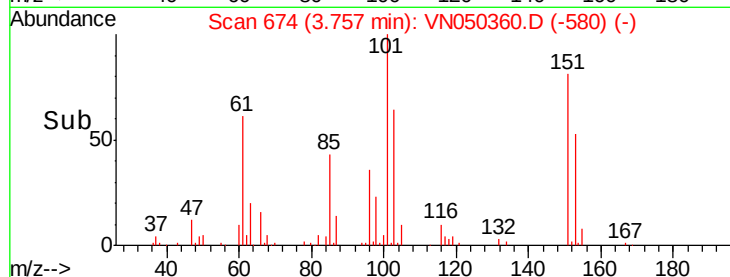
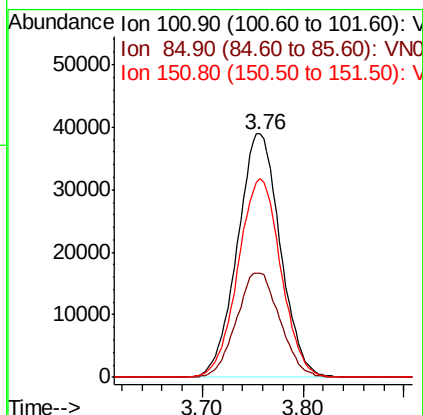
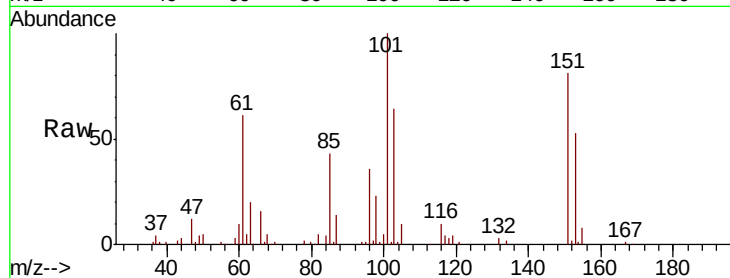
ClientSampleId :

VN0804WBSD01

Tot Ion:	101	Resp:	114615
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.2	51.2
151	81.6	66.3	99.5

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:39:57 AM



#10

Methyl Iodide

Concen: 7.25 ug/l

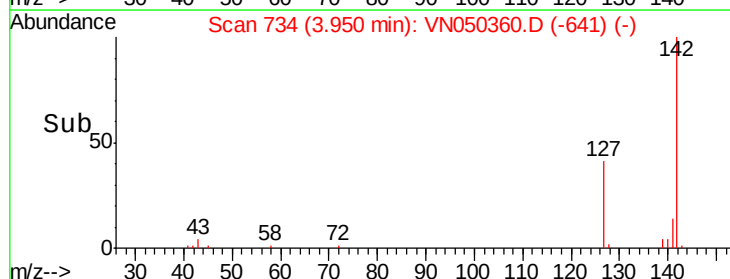
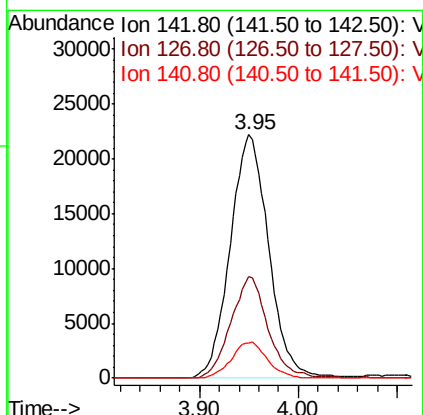
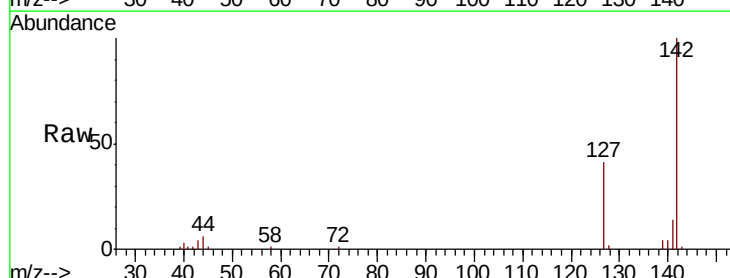
RT: 3.95 min Scan# 734

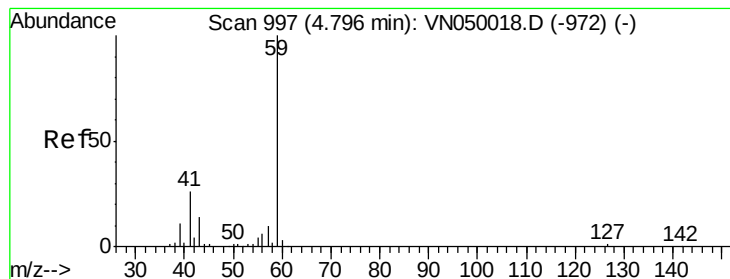
Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Tgt Ion:	142	Resp:	60181
Ion Ratio	Lower	Upper	
142	100		
127	39.9	33.4	50.2
141	13.7	11.6	17.4





#11

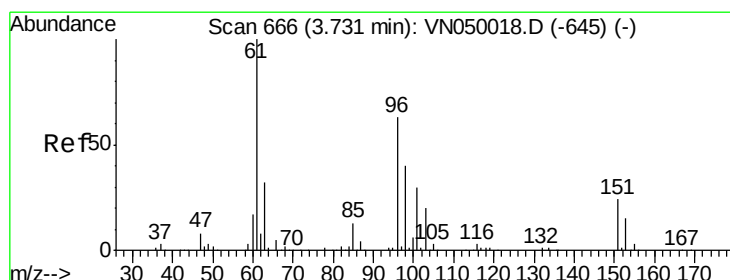
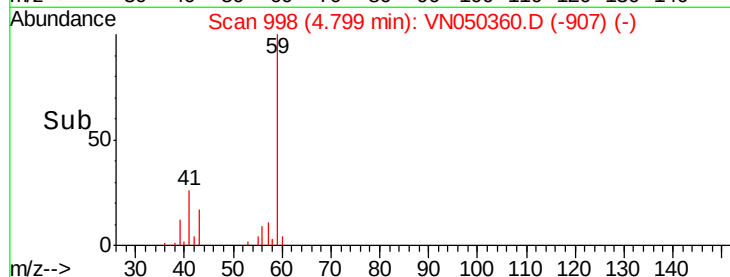
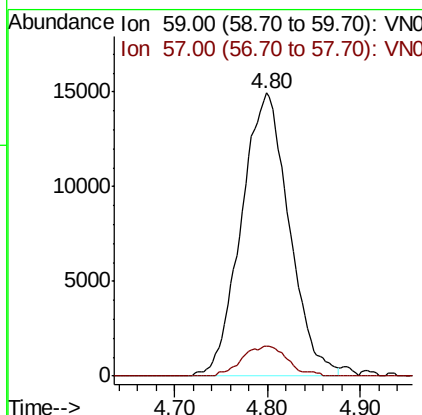
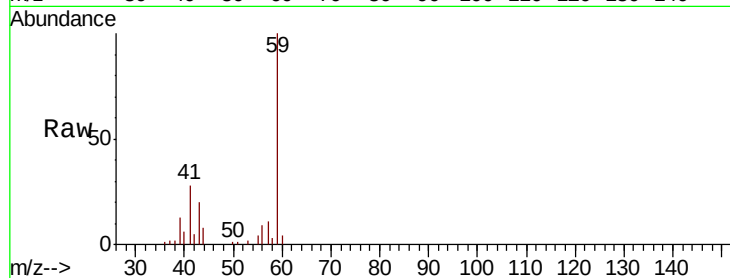
Tert butyl alcohol
 Concen: 103.34 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

Tot Ion	59	Resp	53543
Ion Ratio	100	Lower	Upper
57	10.2	8.5	12.7

Manual Integrations
 APPROVED

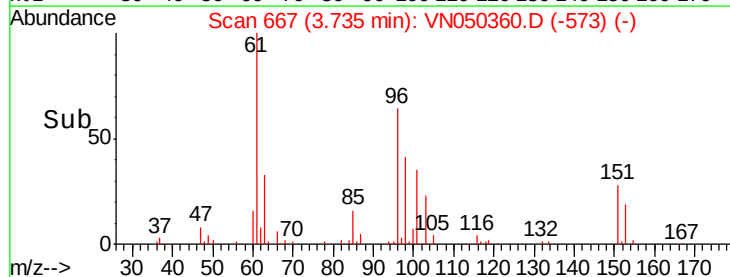
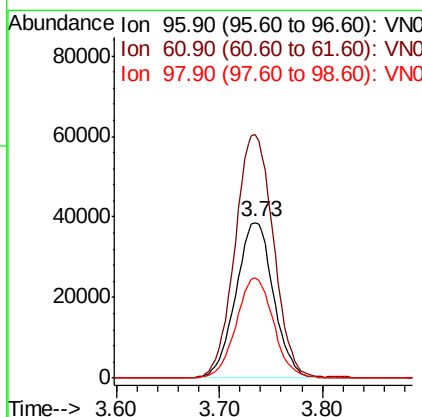
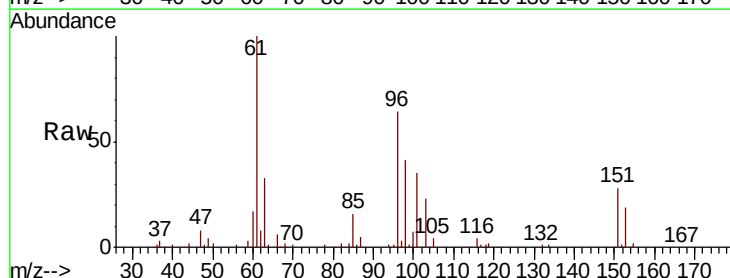
MMDadoda
 8/6/2018 11:39:57 AM

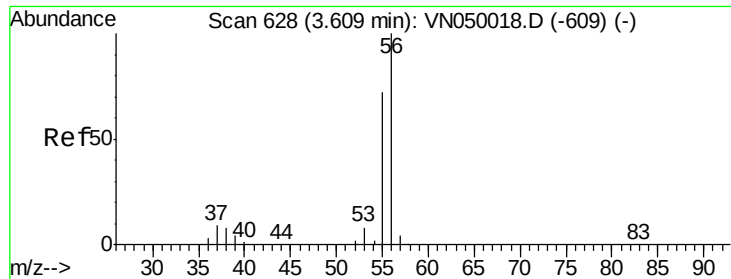


#12

1,1-Dichloroethene
 Concen: 16.89 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	96	Resp	98228
Ion Ratio	100	Lower	Upper
61	156.3	124.4	186.6
98	64.3	48.3	72.5





#13

Acrolein

Concen: 166.20 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

Tot Ion: 56 Resp: 69184

Ion Ratio Lower Upper

56 100

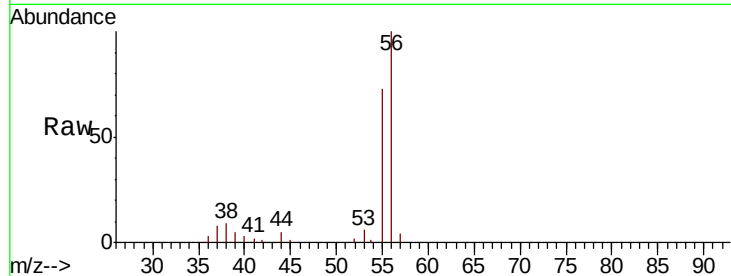
55 72.2 55.8 83.6

Manual Integrations

APPROVED

MMDadoda

8/6/2018 11:39:57 AM

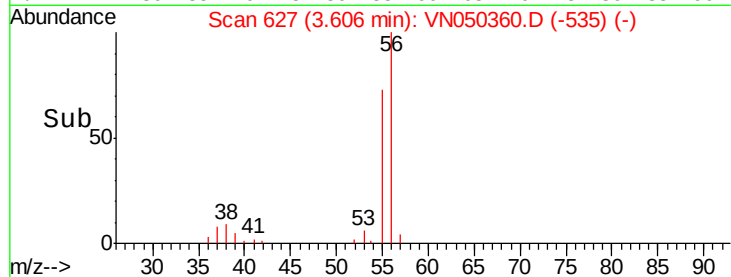


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

Time-->



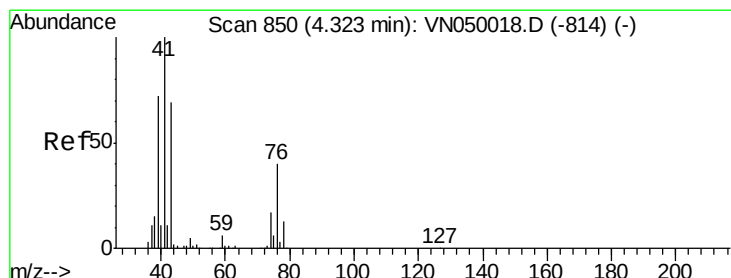
Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

Time-->



#14

Allyl chloride

Concen: 18.47 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

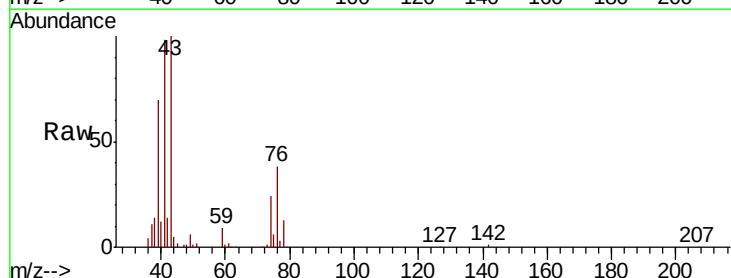
Tgt Ion: 41 Resp: 166627

Ion Ratio Lower Upper

41 100

39 66.4 54.2 81.4

76 36.0 29.0 43.6



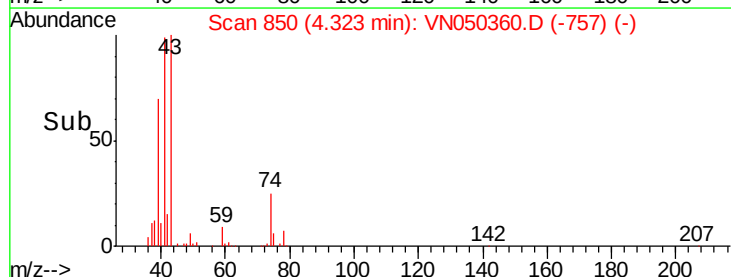
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

Time-->



Abundance

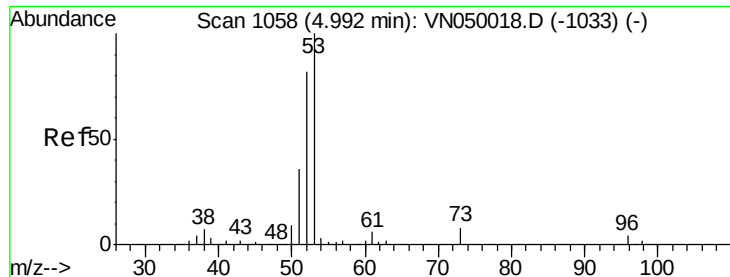
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

Time-->



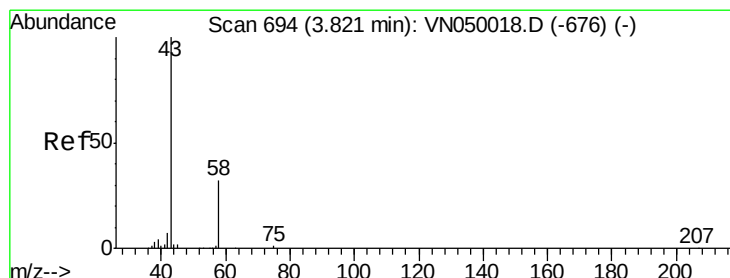
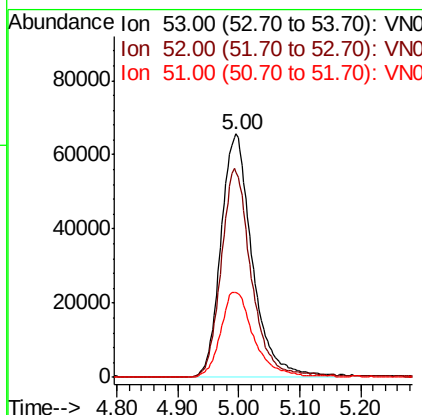
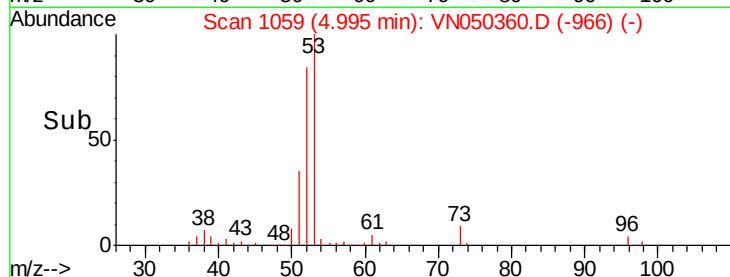
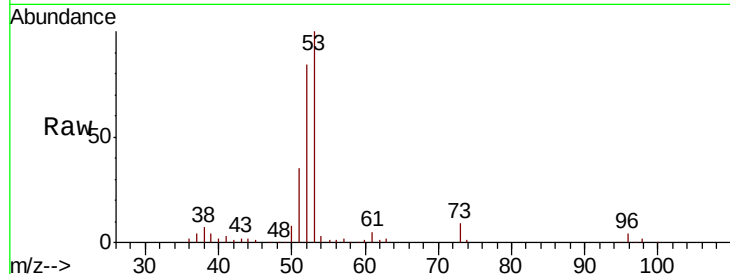
#15
 Acrylonitrile
 Concen: 104.15 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.2
51	36.8	29.3	43.9

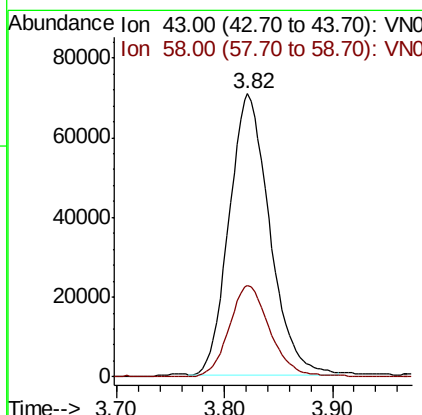
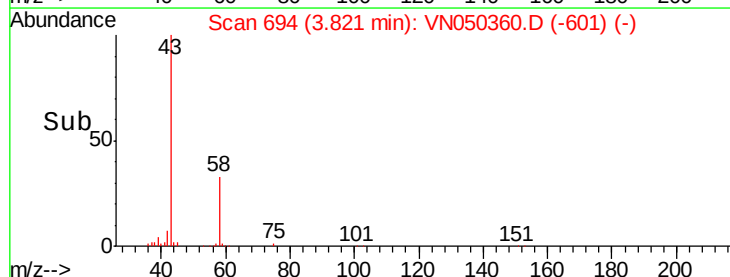
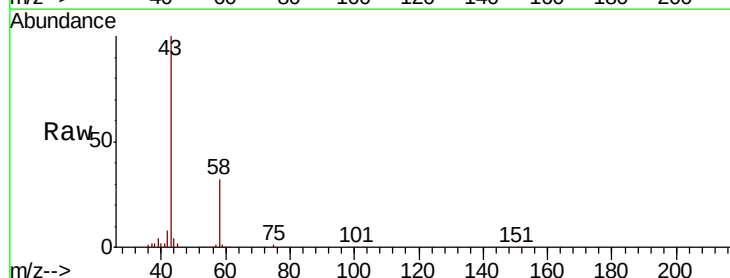
Manual Integrations
 APPROVED

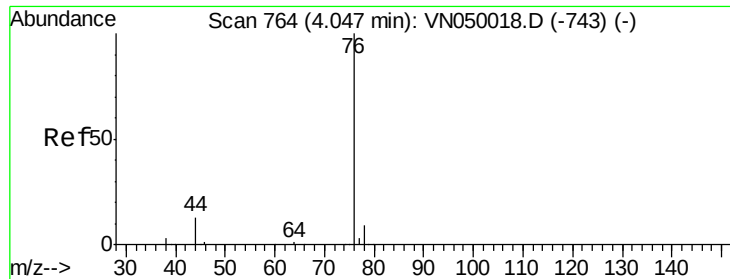
MMDadoda
 8/6/2018 11:39:57 AM



#16
 Acetone
 Concen: 108.12 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.8	38.8





#17

Carbon Disulfide

Concen: 14.11 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampled :

VN0804WBSD01

Tot Ion: 76 Resp: 251419

Ion Ratio Lower Upper

76 100

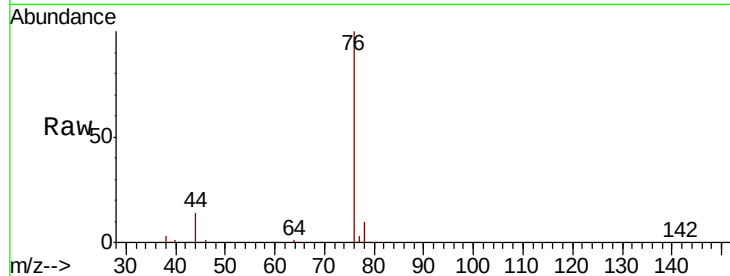
78 9.7 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

8/6/2018 11:39:57 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

100000

80000

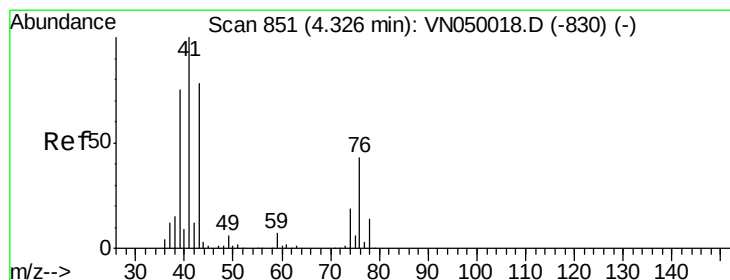
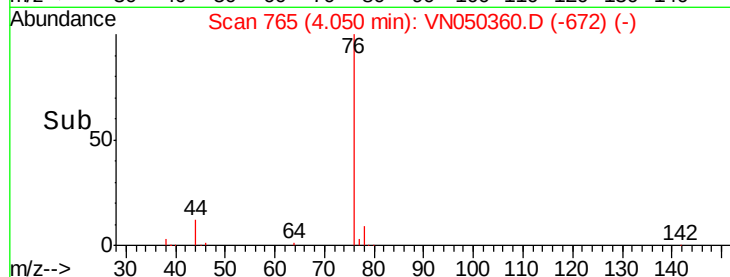
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 25.67 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050360.D

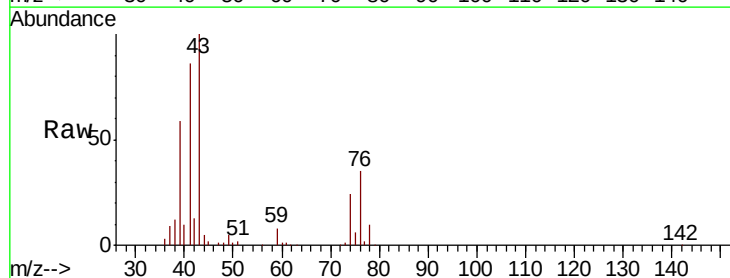
Acq: 4 Aug 2018 12:28

Tgt Ion: 43 Resp: 170698

Ion Ratio Lower Upper

43 100

74 24.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

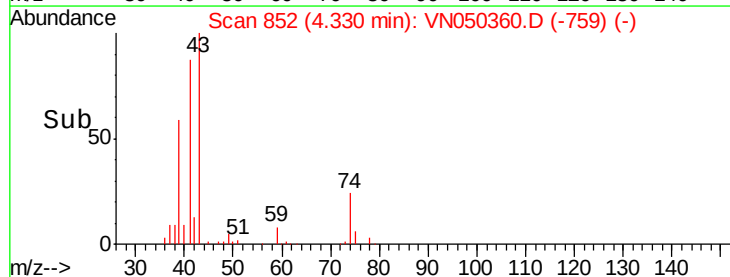
60000

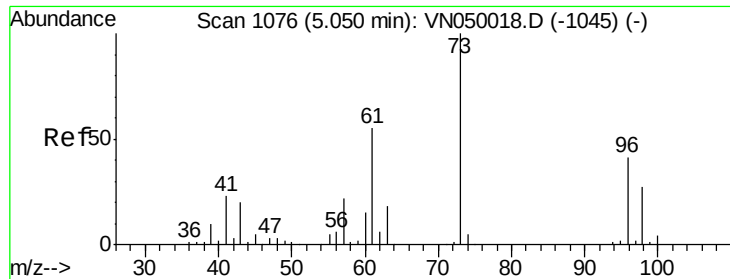
40000

20000

0

Time-->





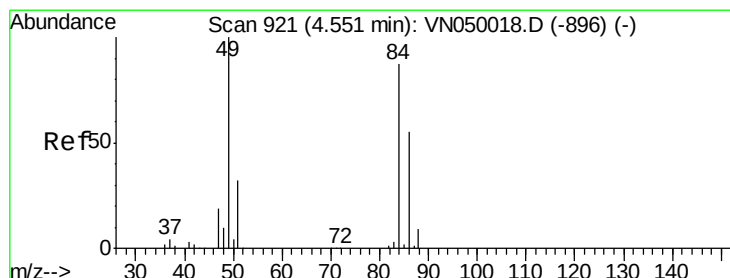
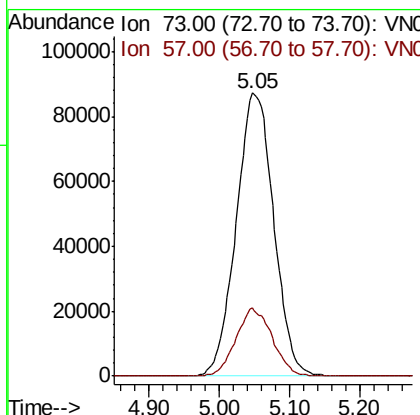
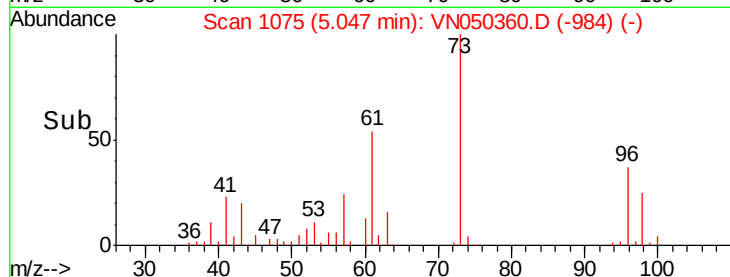
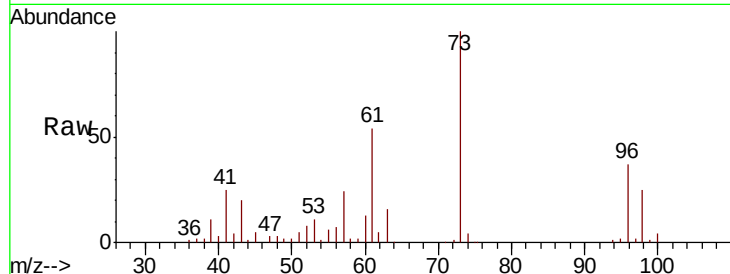
#19
Methvl tert-butvl Ether
Concen: 20.83 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

Tot Ion: 73 Resp: 322904
Ion Ratio Lower Upper
73 100
57 24.0 18.0 27.0

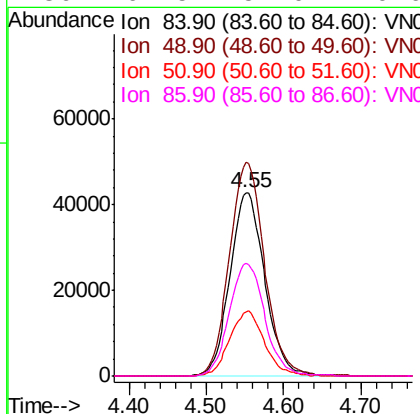
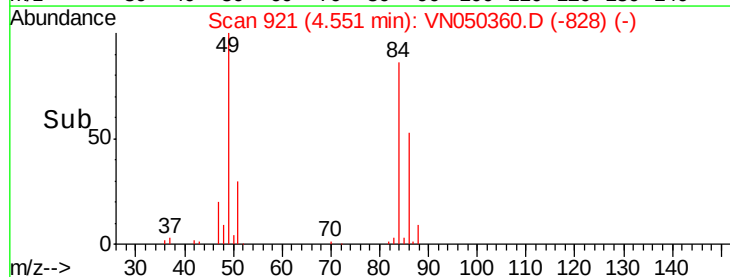
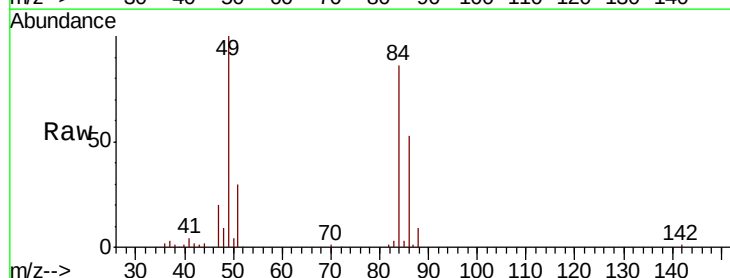
Manual Integrations
APPROVED

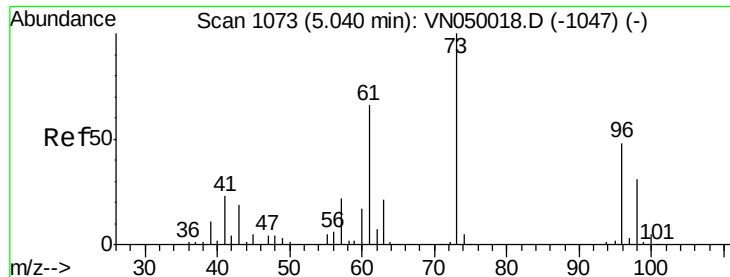
MMDadoda
8/6/2018 11:39:57 AM



#20
Methylene Chloride
Concen: 20.65 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion: 84 Resp: 133493
Ion Ratio Lower Upper
84 100
49 116.4 94.8 142.2
51 35.2 28.3 42.5
86 61.5 51.0 76.6





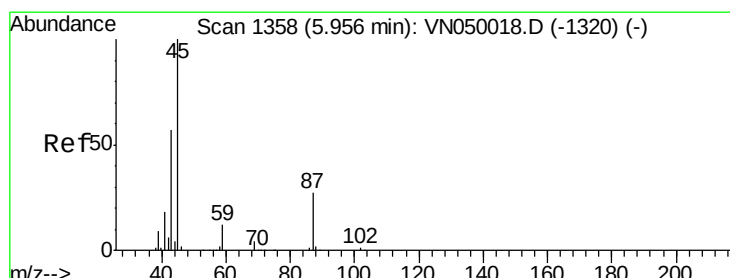
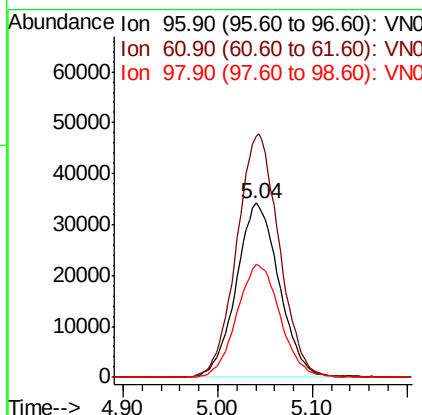
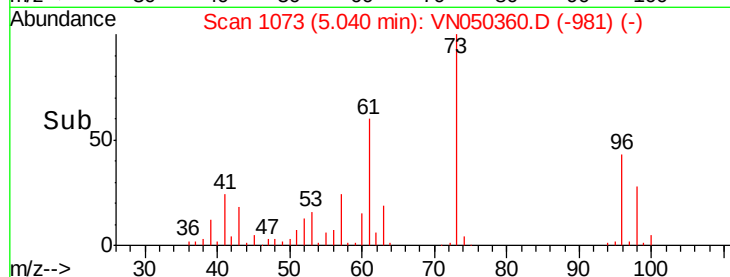
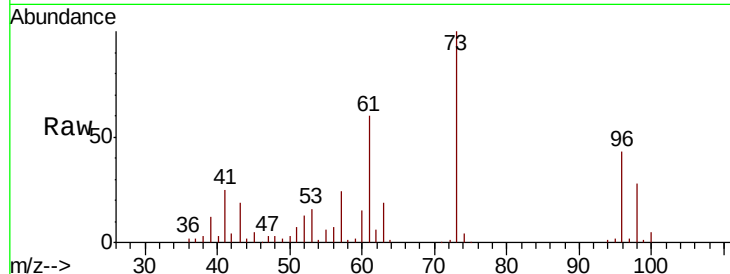
#21
trans-1,2-Dichloroethene
Concen: 17.44 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.0	110.7	166.1
98	64.7	51.6	77.4

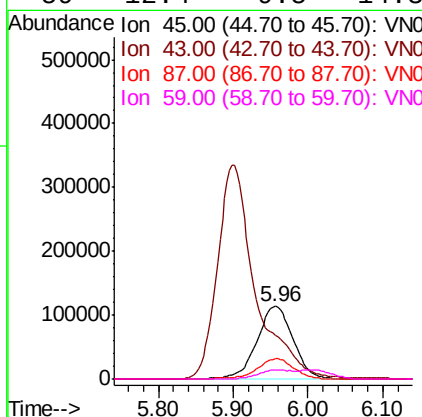
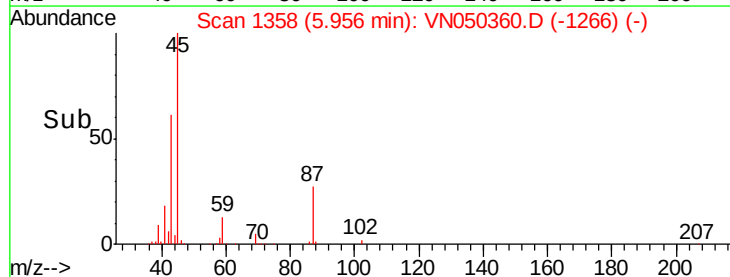
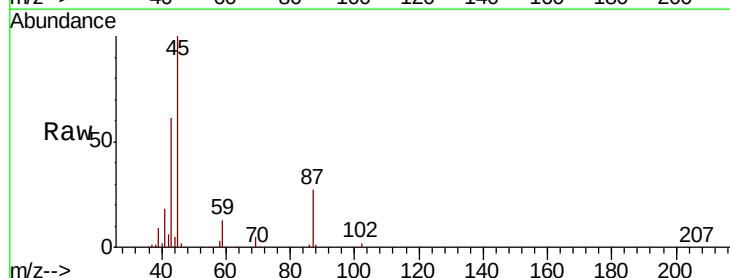
Manual Integrations
APPROVED

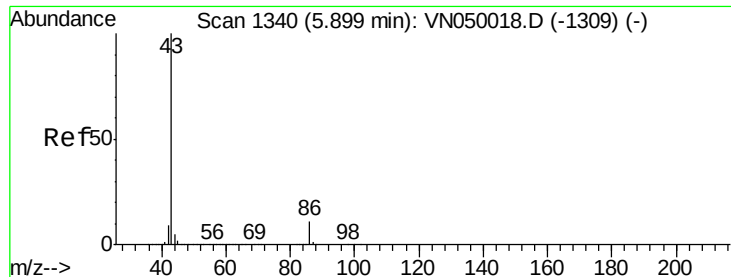
MMDadoda
8/6/2018 11:39:57 AM



#22
Diisopropyl ether
Concen: 21.39 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.6	45.7	68.5
87	27.3	22.7	34.1
59	12.4	9.5	14.3





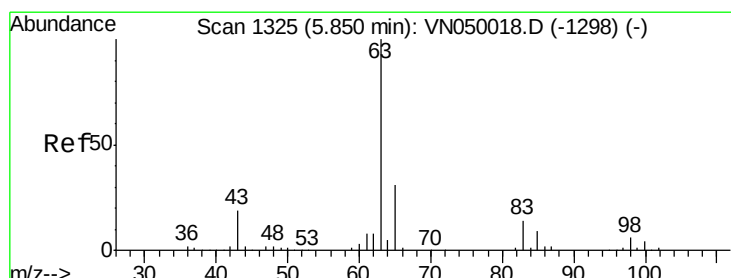
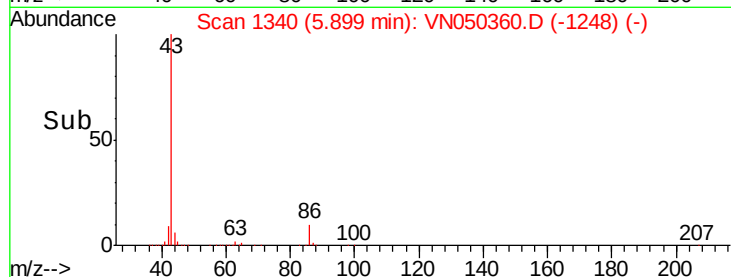
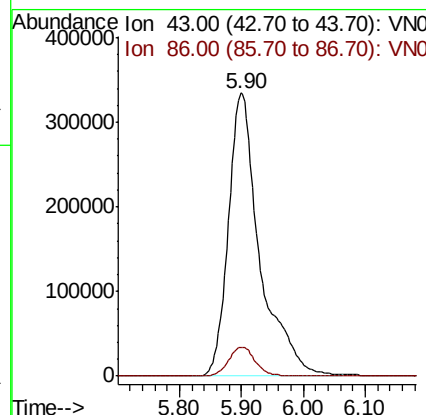
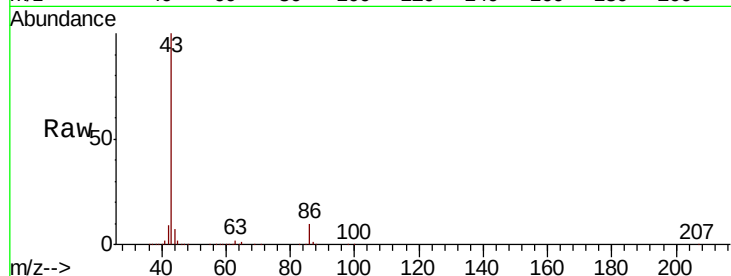
#23
Vinyl Acetate
Concen: 93.53 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

Tot Ion: 43 Resp: 1182123
Ion Ratio Lower Upper
43 100
86 10.3 8.6 13.0

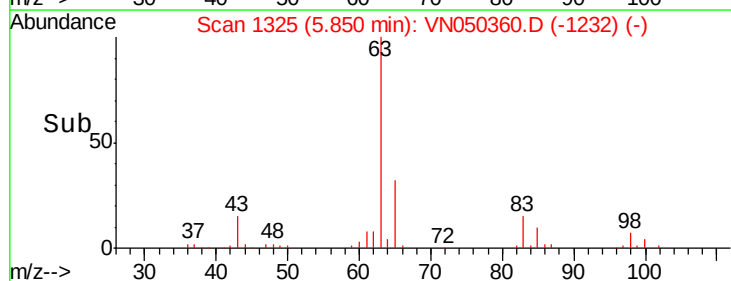
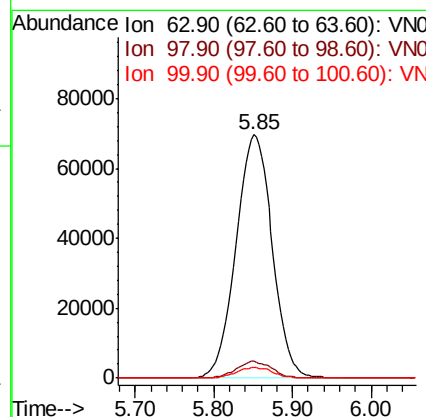
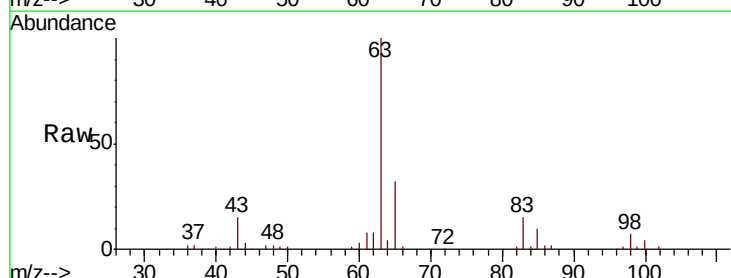
Manual Integrations
APPROVED

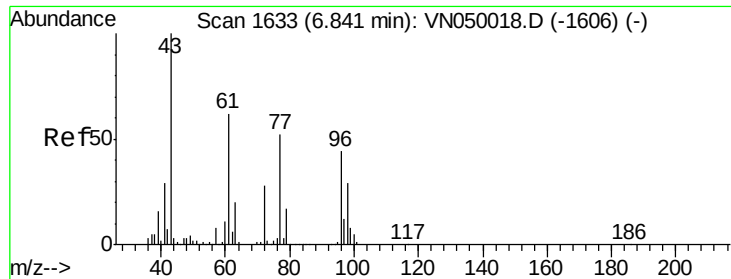
MMDadoda
8/6/2018 11:39:57 AM



#24
1,1-Dichloroethane
Concen: 19.17 ug/l
RT: 5.85 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion: 63 Resp: 224154
Ion Ratio Lower Upper
63 100
98 6.9 3.3 9.8
100 4.4 2.1 6.3





#25

2-Butanone

Concen: 103.15 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampled :

VN0804WBSD01

Tot Ion: 43 Resp: 277029

Ion Ratio Lower Upper

43 100

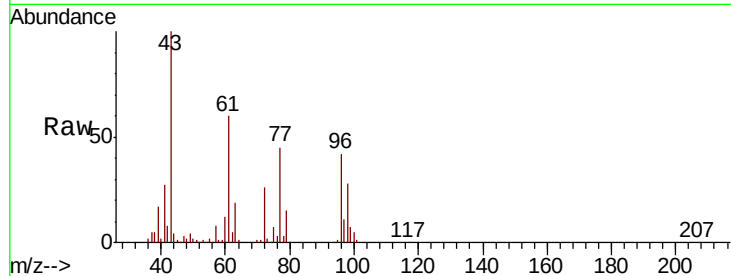
72 26.2 21.5 32.3

Manual Integrations

APPROVED

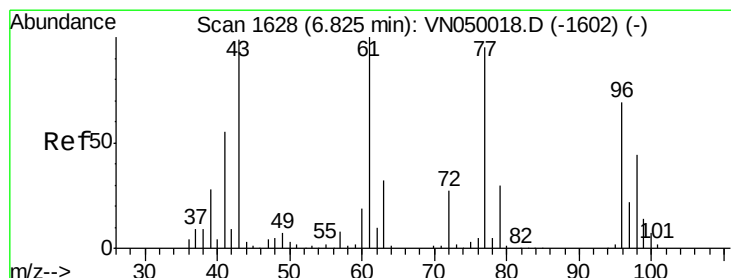
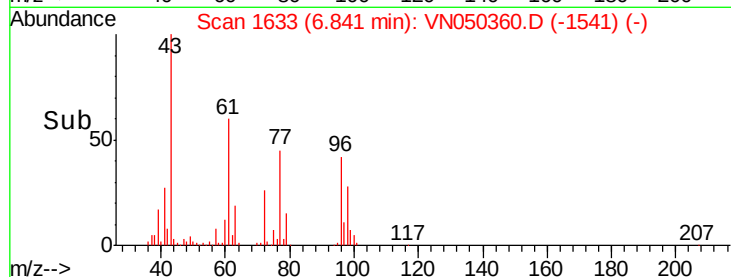
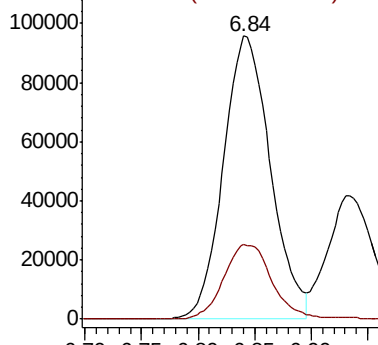
MMDadoda

8/6/2018 11:39:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.58 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050360.D

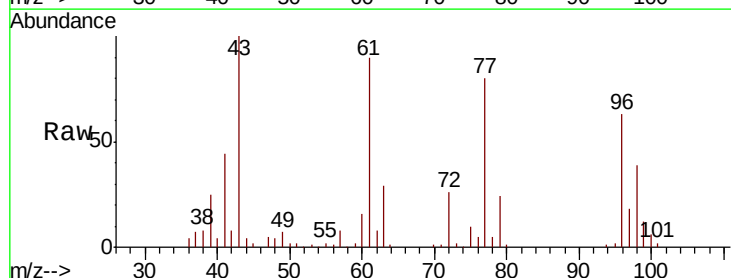
Acq: 4 Aug 2018 12:28

Tgt Ion: 77 Resp: 174238

Ion Ratio Lower Upper

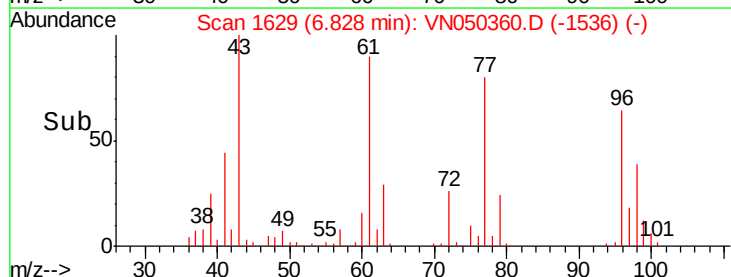
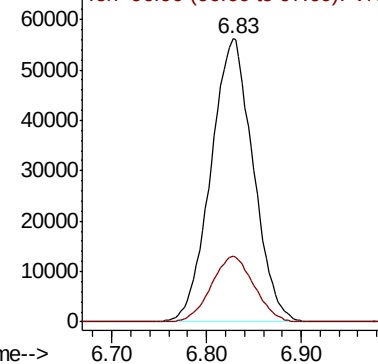
77 100

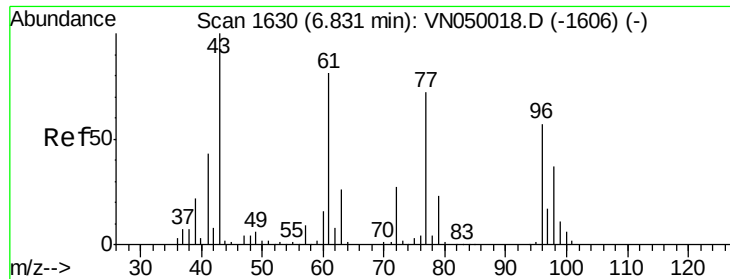
97 23.4 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.84 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

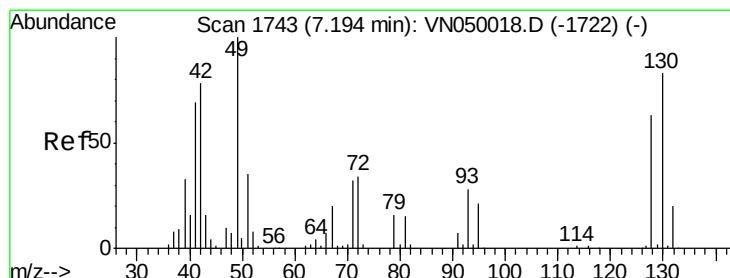
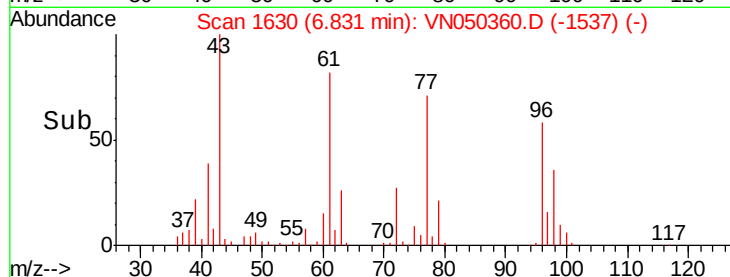
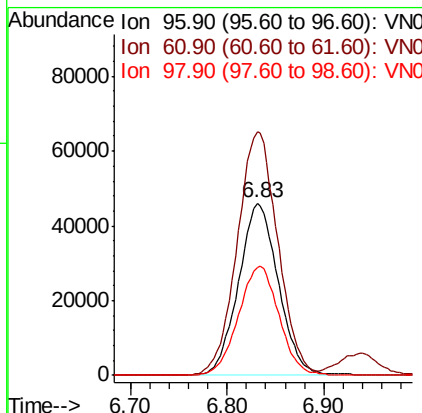
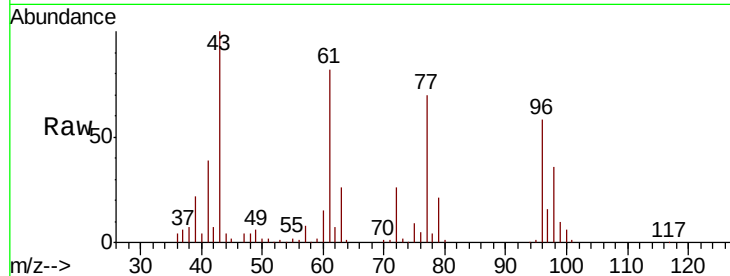
ClientSampleId :

VN0804WBSD01

Tot Ion:	96	Resp:	131637
Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	285.0
98	64.6	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:39:57 AM



#28

Bromochloromethane

Concen: 22.49 ug/l

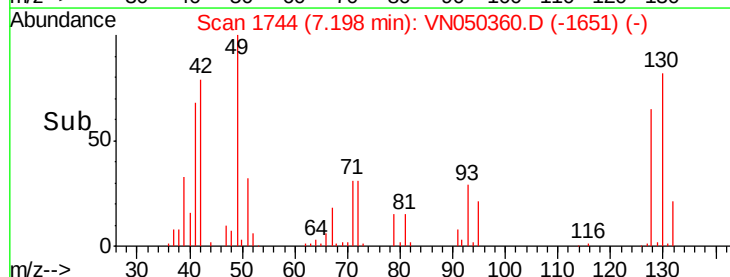
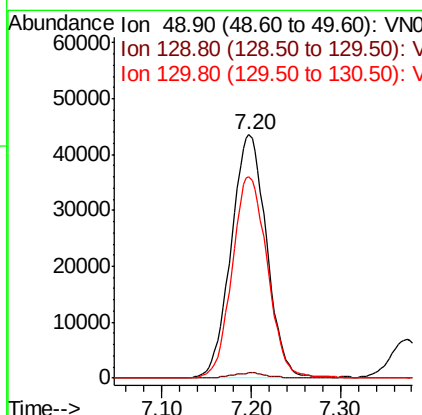
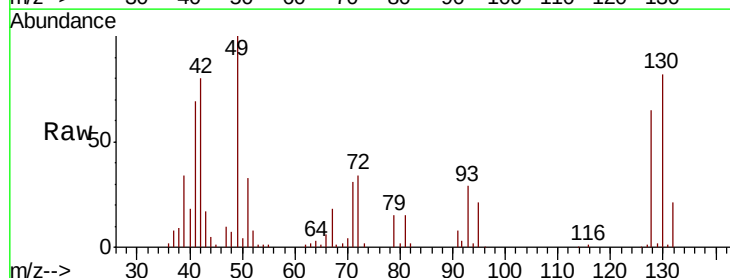
RT: 7.20 min Scan# 1744

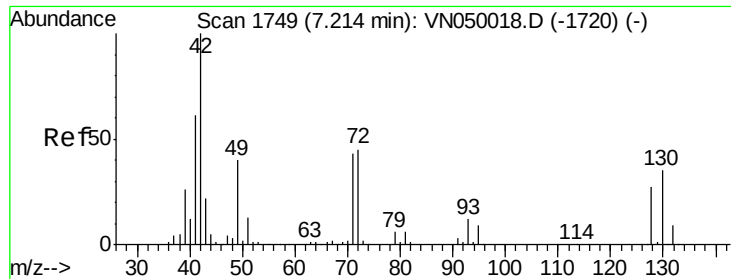
Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Tgt Ion:	49	Resp:	119953
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	82.5	66.3	99.5





#29

Tetrahydrofuran

Concen: 103.63 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

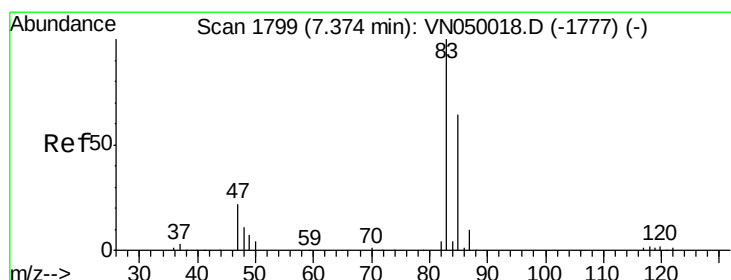
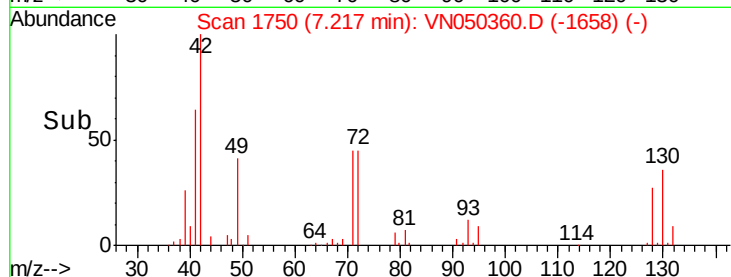
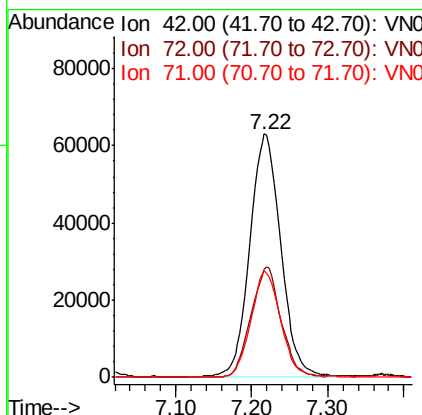
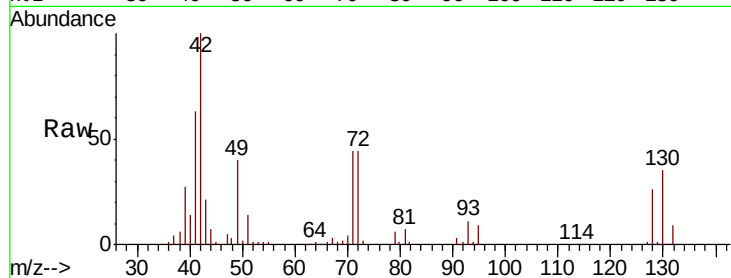
ClientSampled :

VN0804WBSD01

Tot Ion:	42	Resp:	179856
Ion Ratio		Lower	Upper
42	100		
72	43.9	35.9	53.9
71	41.5	33.7	50.5

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:39:57 AM



#30

Chloroform

Concen: 19.72 ug/l

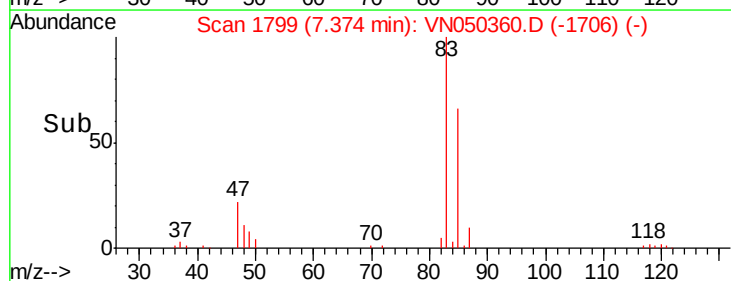
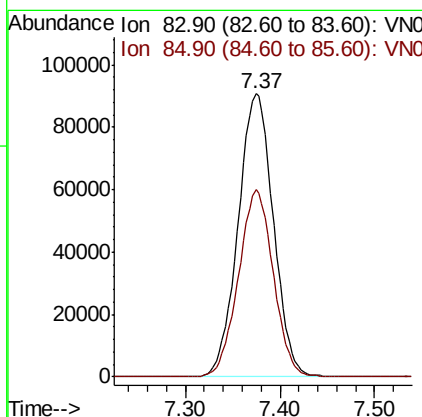
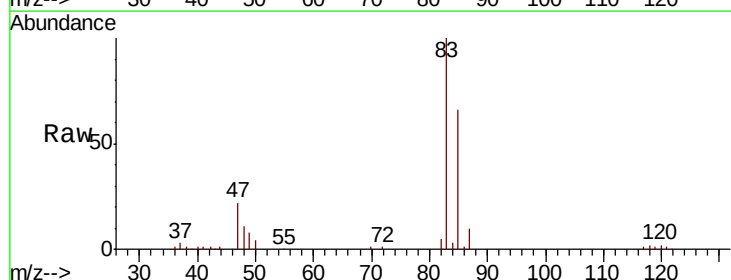
RT: 7.37 min Scan# 1799

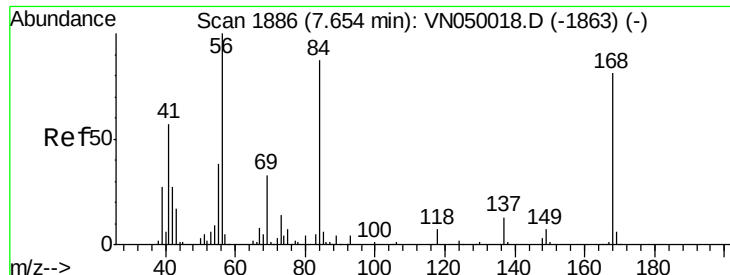
Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Tgt Ion:	83	Resp:	235285
Ion Ratio		Lower	Upper
83	100		
85	66.0	52.5	78.7





#31

Cyclohexane

Concen: 16.26 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

Tot Ion: 56 Resp: 158118

Ion Ratio Lower Upper

56 100

69 39.1 26.2 39.4

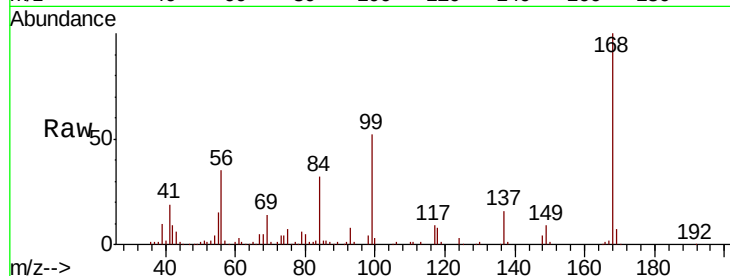
84 90.8 67.4 101.0

Manual Integrations

APPROVED

MMDadoda

8/6/2018 11:39:57 AM

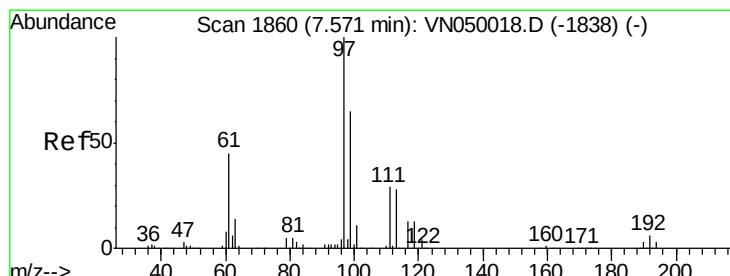
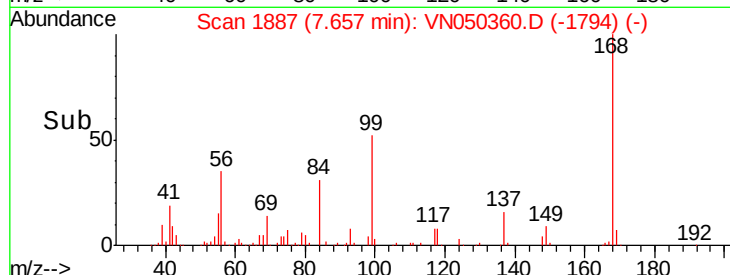
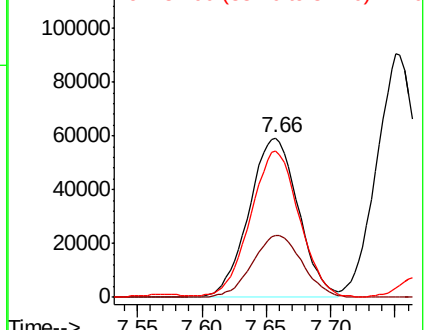


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.56 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

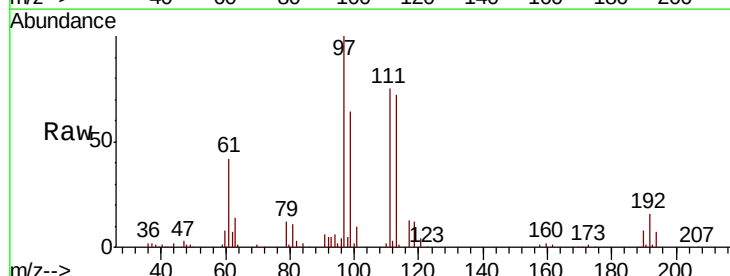
Tgt Ion: 97 Resp: 189482

Ion Ratio Lower Upper

97 100

99 63.2 51.4 77.0

61 43.6 35.4 53.0

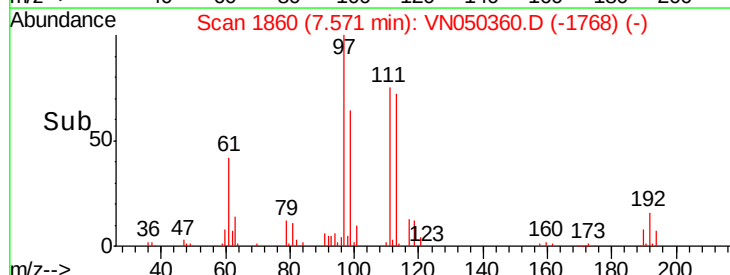
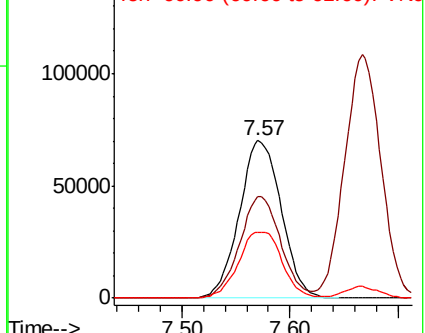


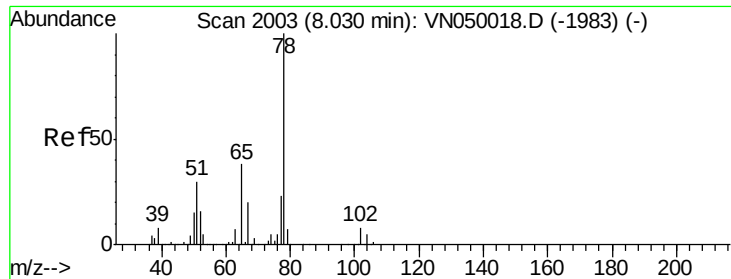
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





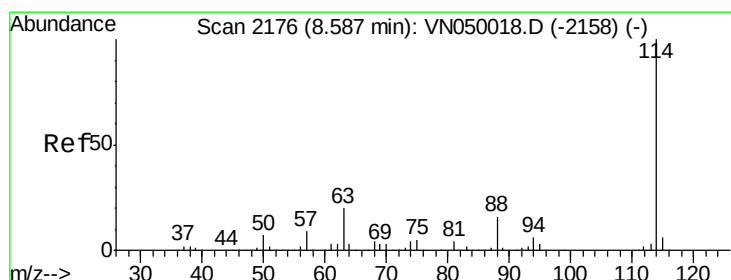
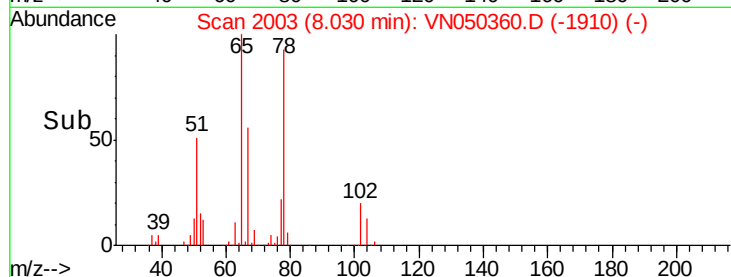
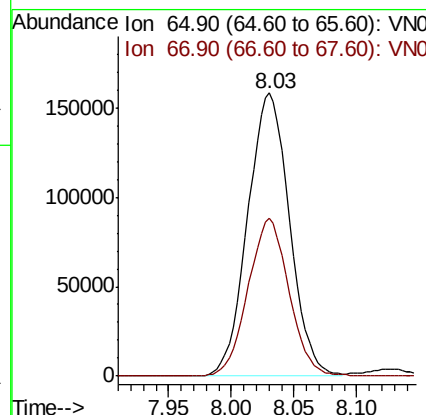
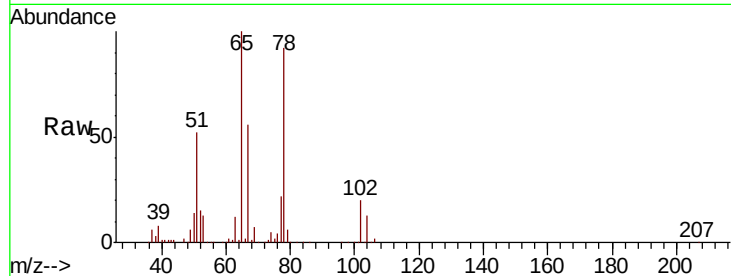
#33
 1,2-Dichloroethane-d4
 Concen: 52.13 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.6	0.0	108.4	

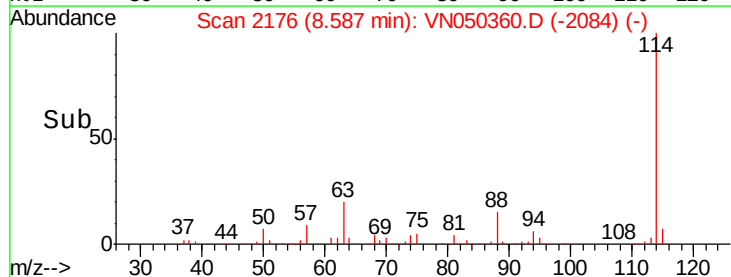
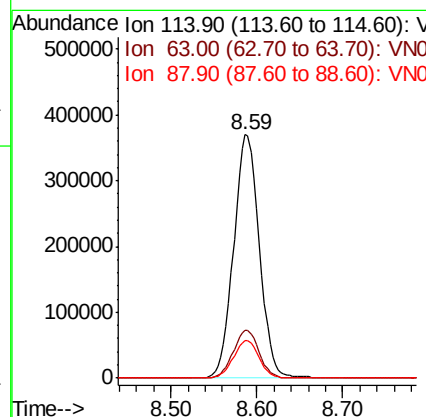
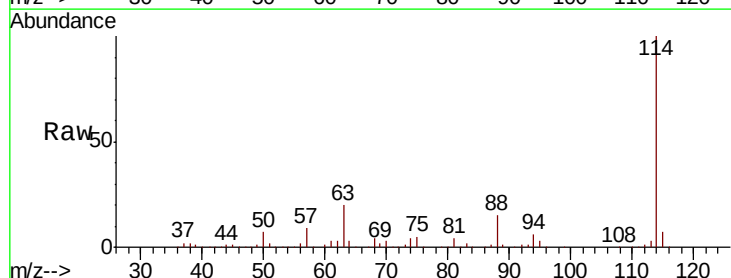
Manual Integrations
 APPROVED

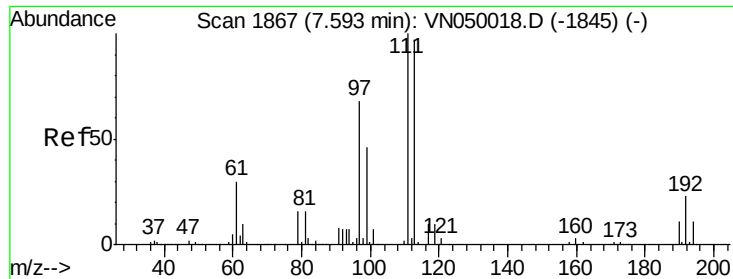
MMDadoda
 8/6/2018 11:39:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	40.0	
88	15.5	0.0	31.2	





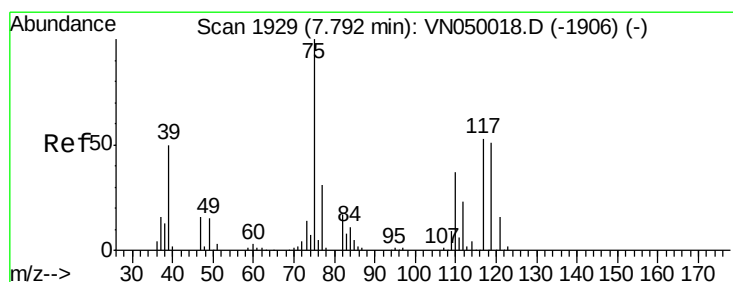
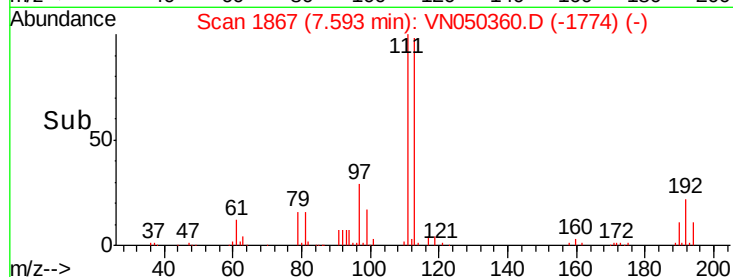
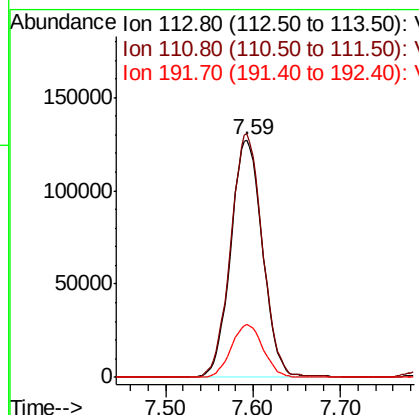
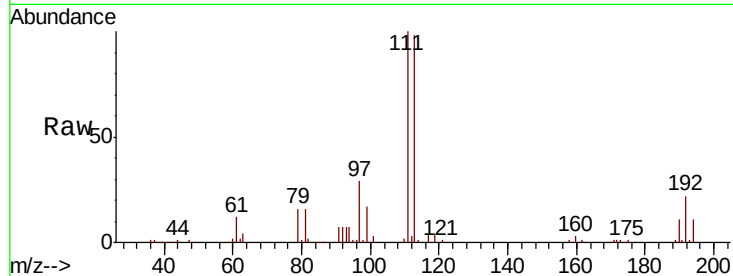
#35
 Dibromofluoromethane
 Concen: 51.40 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	321195		
111	102.6	80.7	121.1	
192	22.2	17.8	26.6	

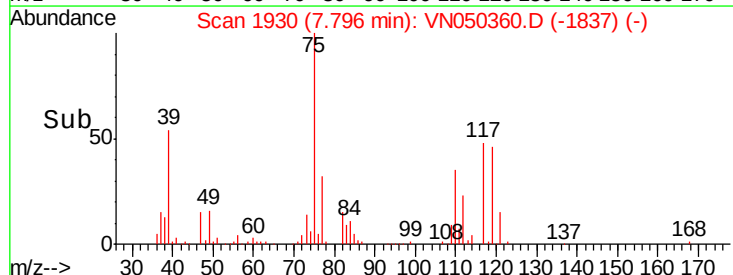
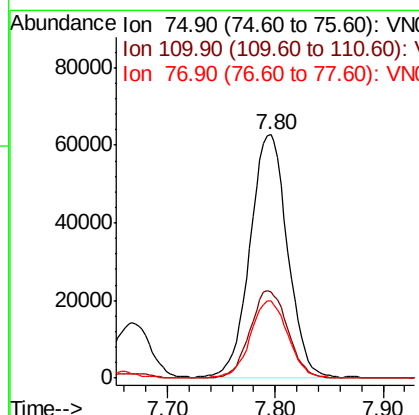
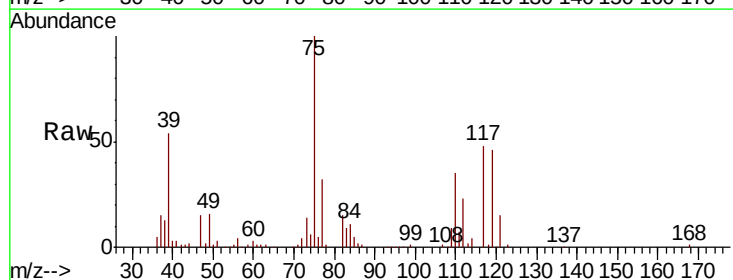
Manual Integrations
 APPROVED

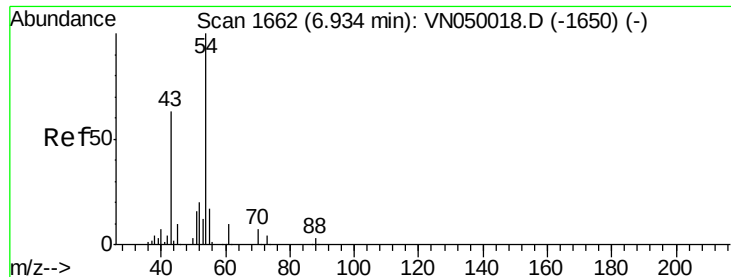
MMDadoda
 8/6/2018 11:39:57 AM



#36
 1,1-Dichloropropene
 Concen: 17.46 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	150567		
110	36.3	18.4	55.2	
77	31.9	25.3	37.9	





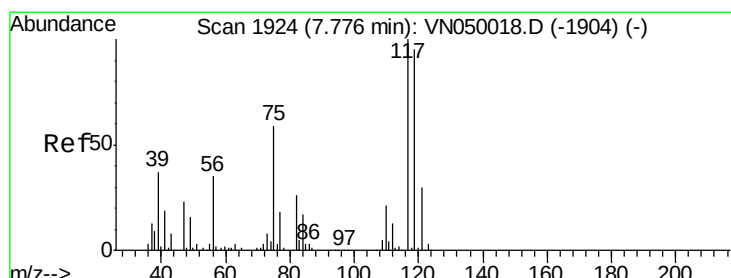
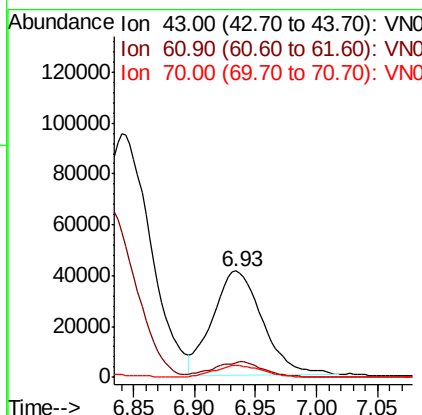
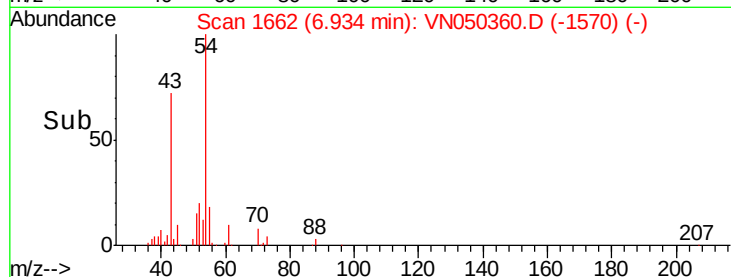
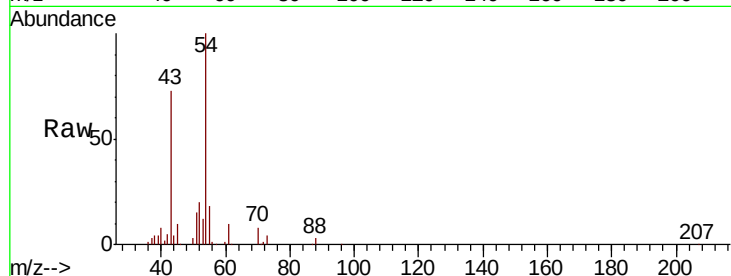
#37
Ethyl Acetate
Concen: 19.40 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.8	17.8
70	11.3	8.4	12.6

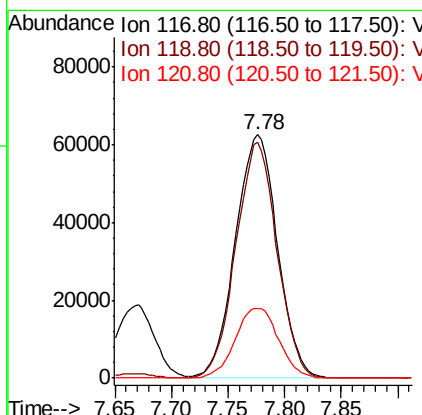
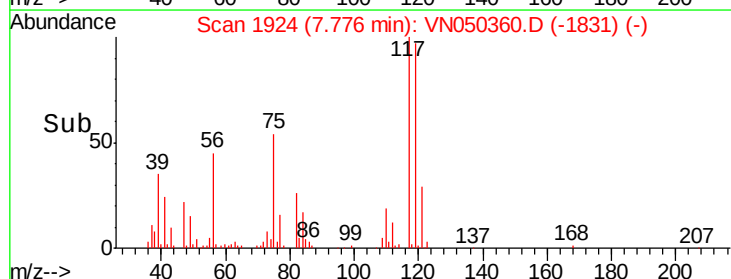
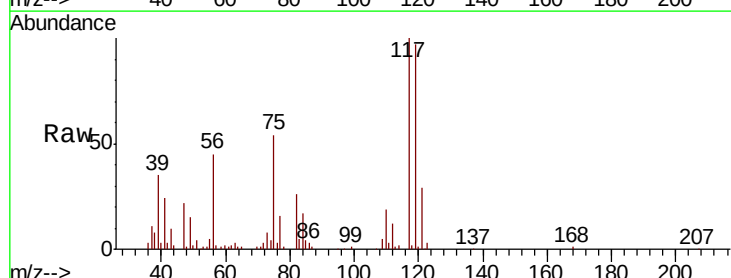
Manual Integrations
APPROVED

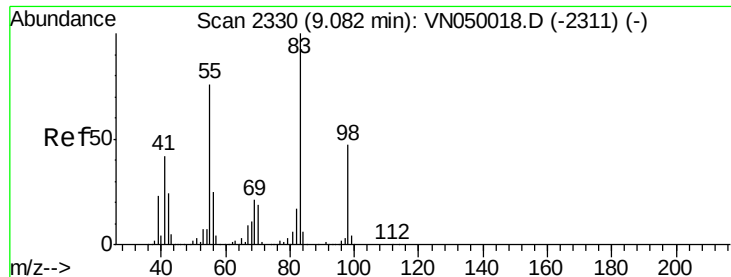
MMDadoda
8/6/2018 11:39:57 AM



#38
Carbon Tetrachloride
Concen: 17.72 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.4	116.0
121	28.8	23.9	35.9





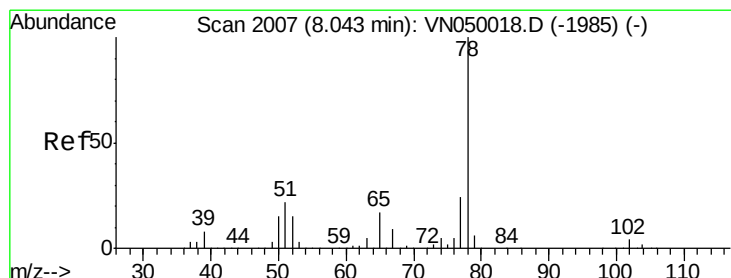
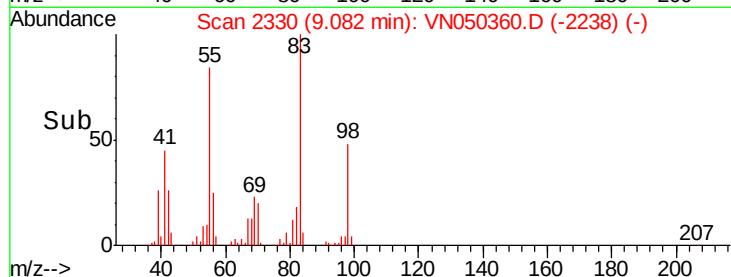
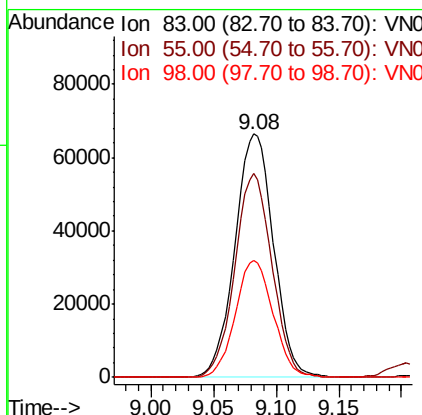
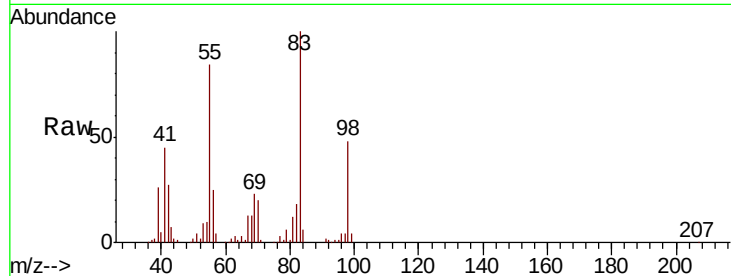
#39
Methylvlcyclohexane
Concen: 16.04 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.7	61.8	92.8
98	48.2	36.5	54.7

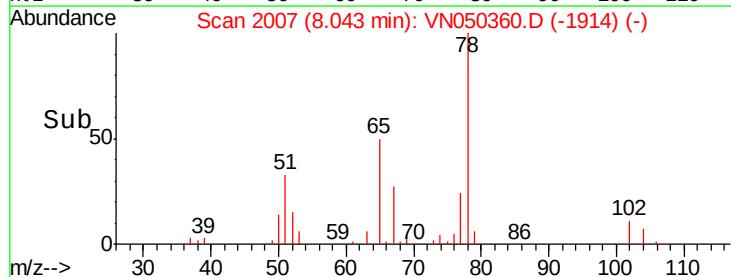
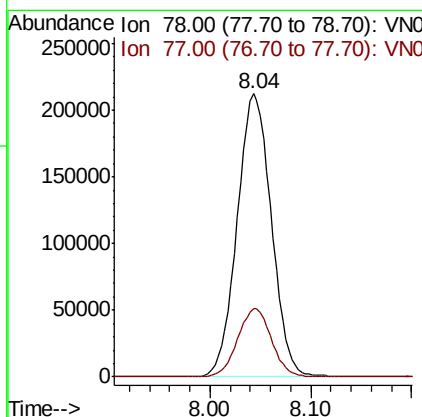
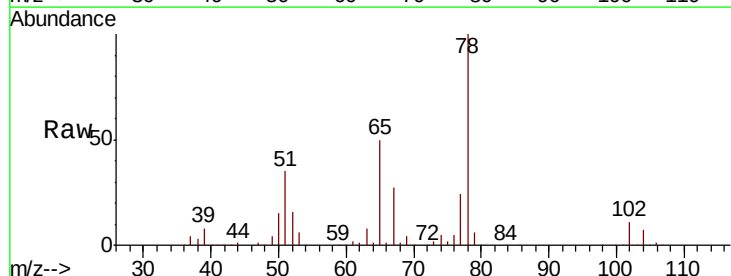
Manual Integrations
APPROVED

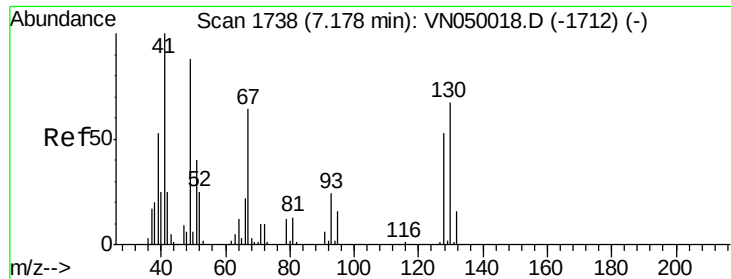
MMDadoda
8/6/2018 11:39:57 AM



#40
Benzene
Concen: 19.01 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1





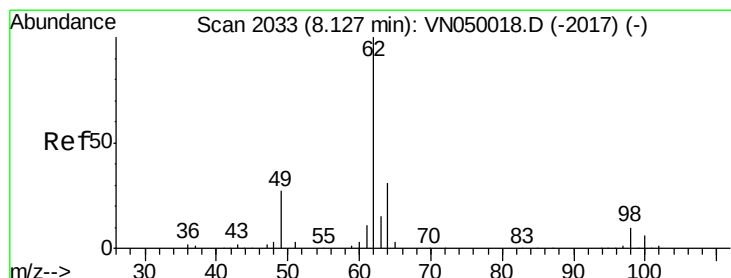
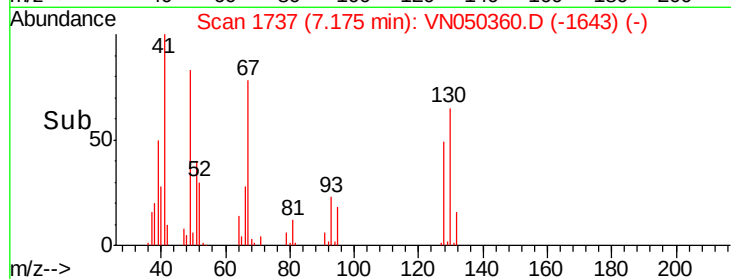
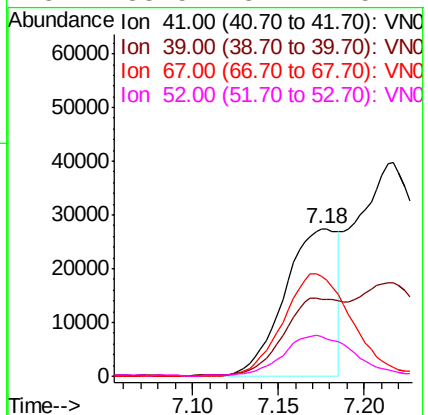
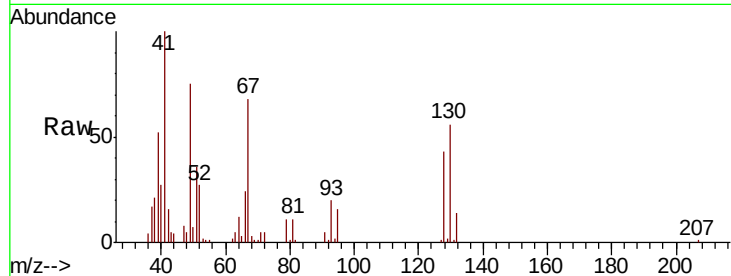
#41
Methacrylonitrile
Concen: 20.53 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

Tot Ion	41	Resp	58919
Ion	Ratio	Lower	Upper
41	100		
39	57.5	55.8	83.6
67	90.6	84.3	126.5
52	38.5	34.2	51.2

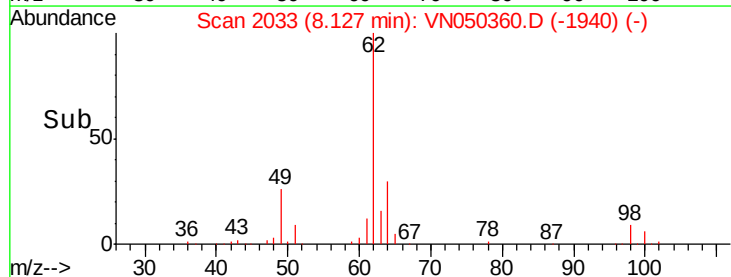
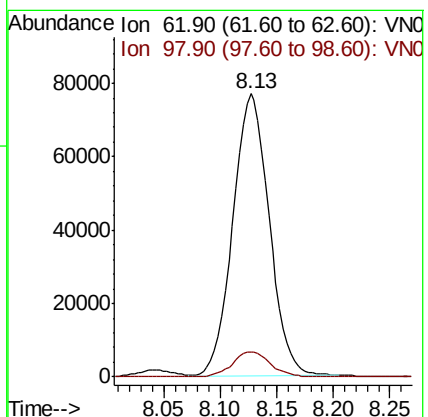
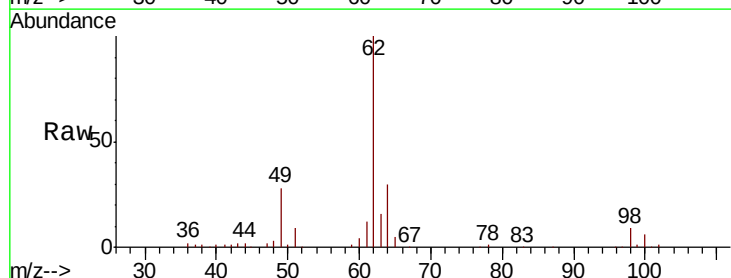
Manual Integrations
APPROVED

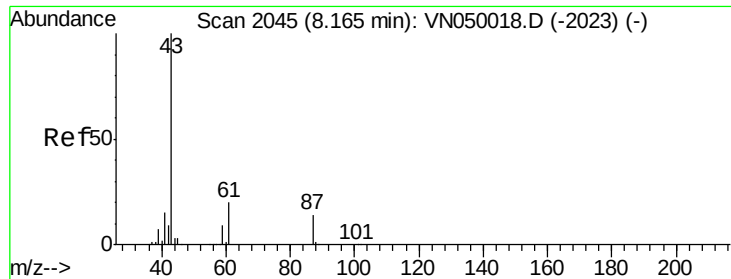
MMDadoda
8/6/2018 11:39:57 AM



#42
1,2-Dichloroethane
Concen: 19.65 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion	62	Resp	172025
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.8





#43

Isopropyl Acetate

Concen: 19.21 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

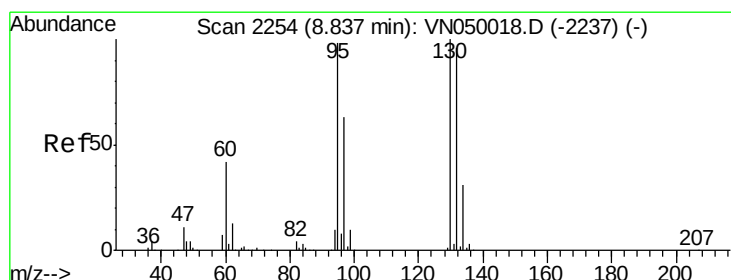
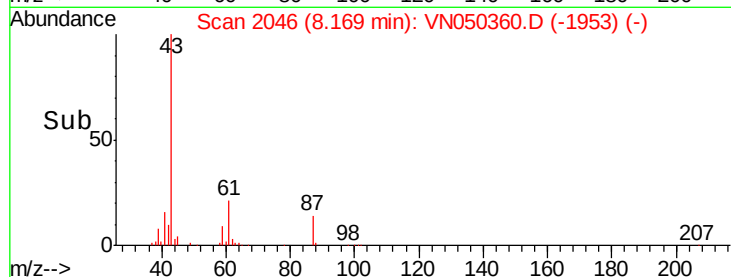
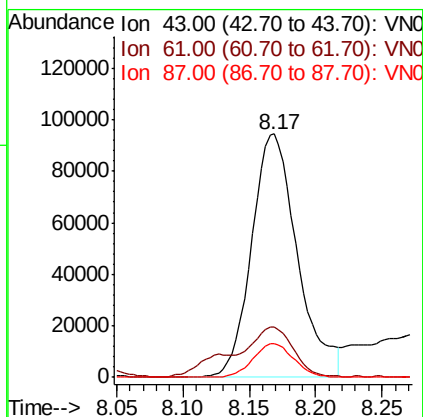
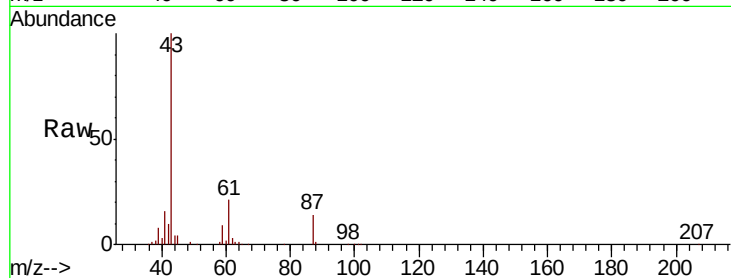
ClientSampleId :

VN0804WBSD01

Tot Ion:	43	Resp:	225581
Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.8	23.6
87	12.5	10.3	15.5

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:39:57 AM



#44

Trichloroethene

Concen: 17.87 ug/l

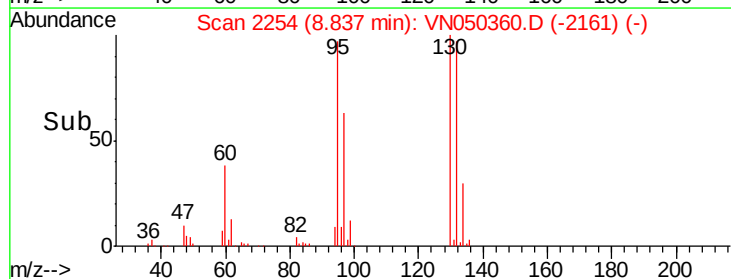
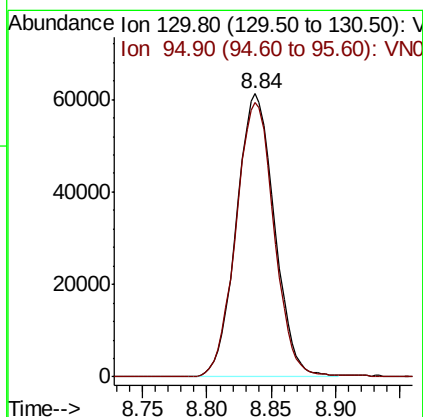
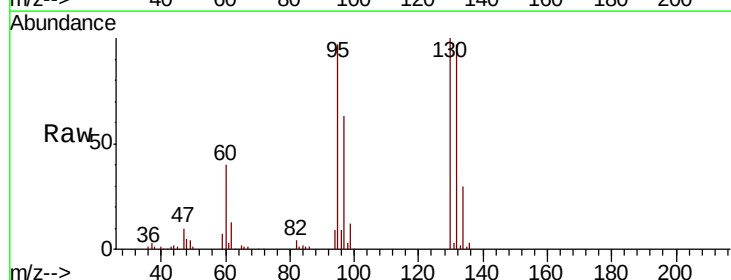
RT: 8.84 min Scan# 2254

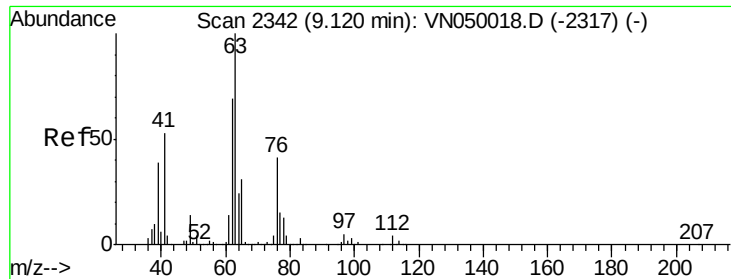
Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Tgt Ion:	130	Resp:	126002
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	194.6





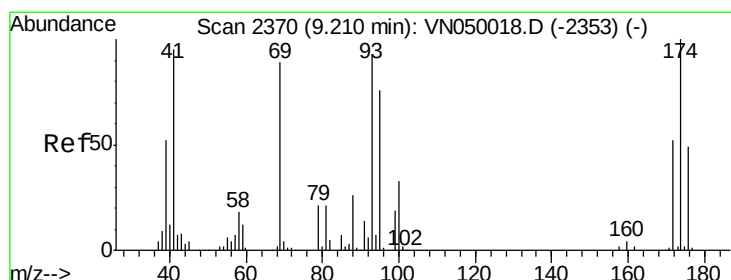
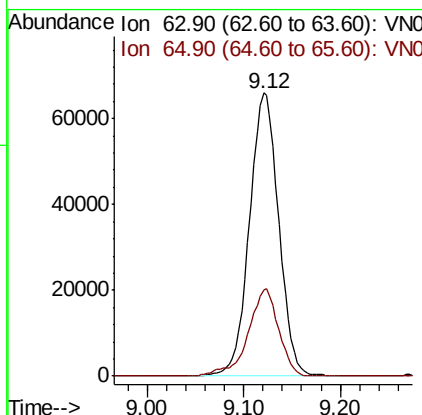
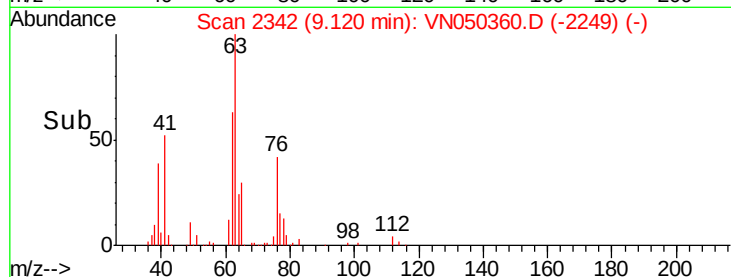
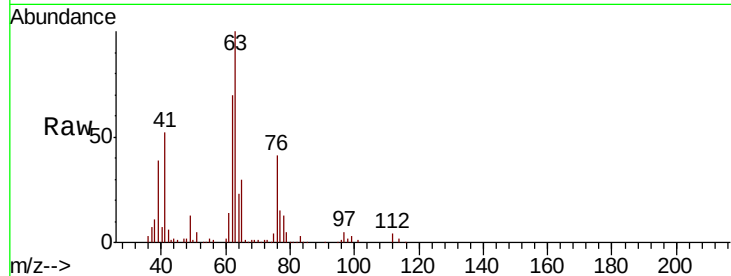
#45
 1,2-Dichloropropane
 Concen: 19.95 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBSD01

Tot Ion	63	Resp	138627
Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.5	38.3

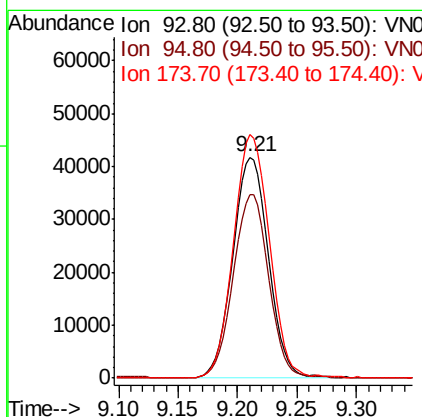
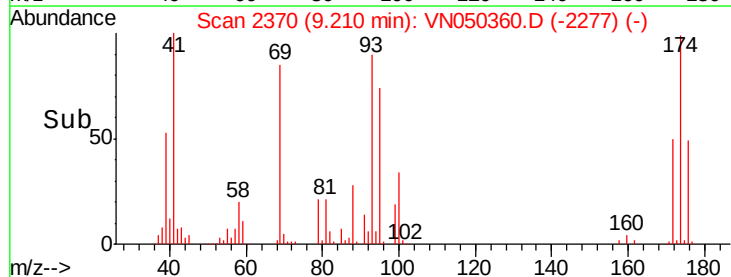
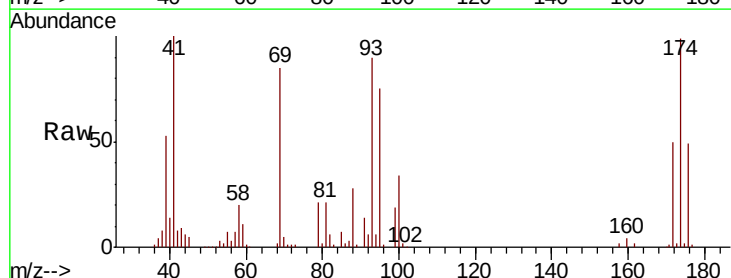
Manual Integrations
 APPROVED

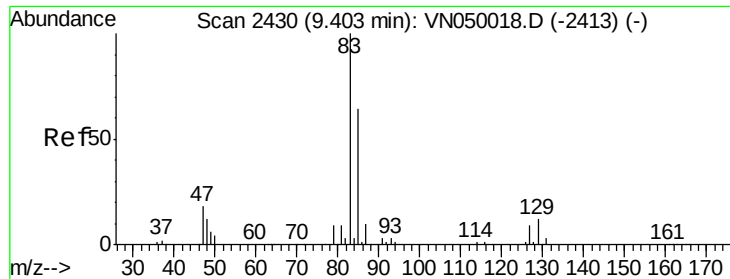
MMDadoda
 8/6/2018 11:39:57 AM



#46
 Dibromomethane
 Concen: 20.18 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	93	Resp	87086
Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.6	100.0
174	111.0	87.1	130.7





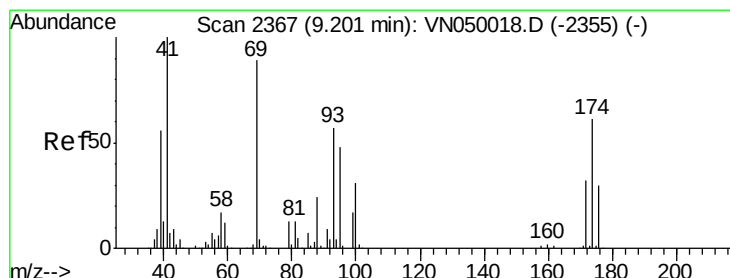
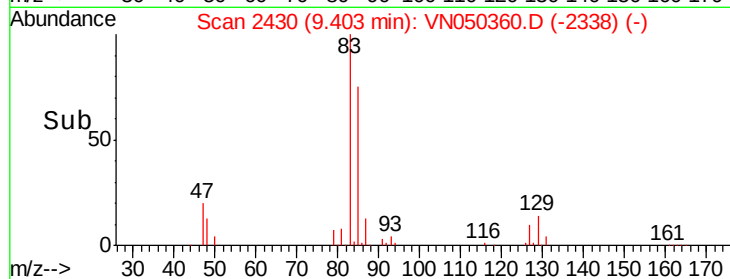
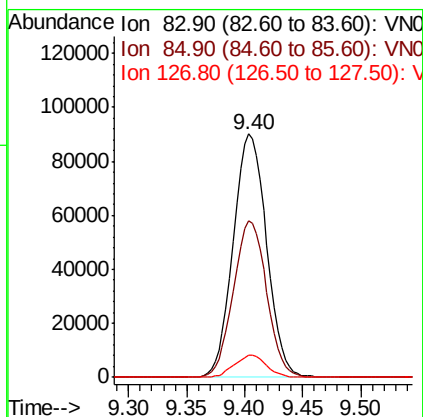
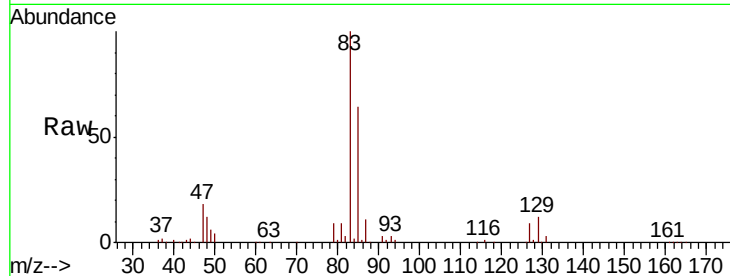
#47
Bromodichloromethane
Concen: 19.74 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

Tot Ion	83	Resp	179776
Ion Ratio	100		
83	100		
85	64.2	51.1	76.7
127	8.9	7.0	10.4

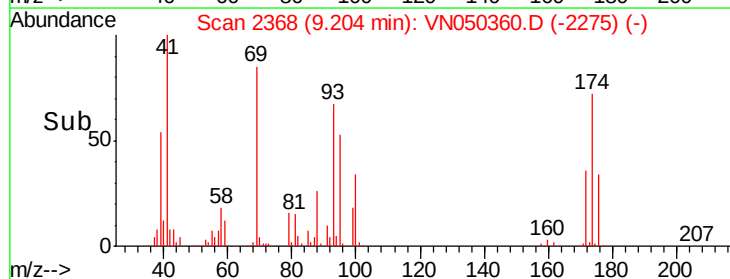
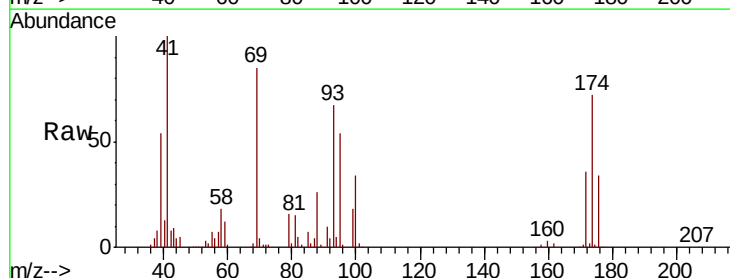
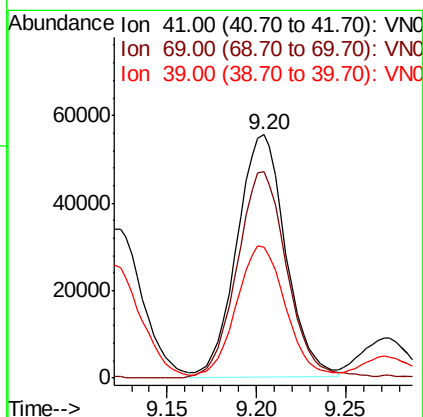
Manual Integrations
APPROVED

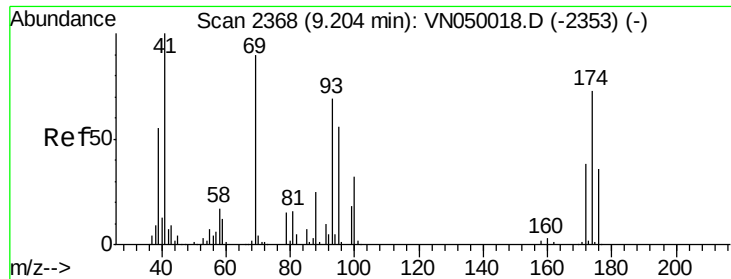
MMDadoda
8/6/2018 11:39:57 AM



#48
Methyl methacrylate
Concen: 20.42 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion	41	Resp	105732
Ion Ratio	100		
41	100		
69	87.2	70.6	105.8
39	54.7	43.9	65.9





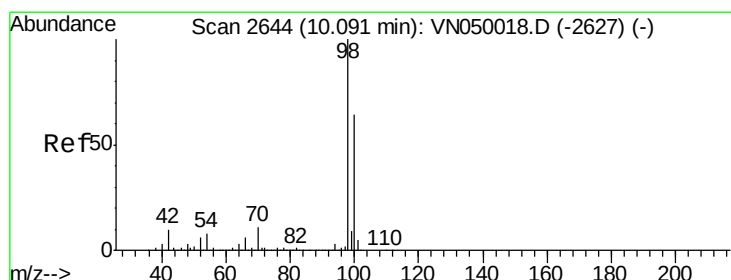
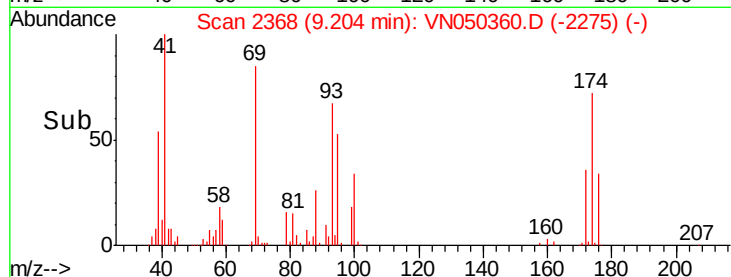
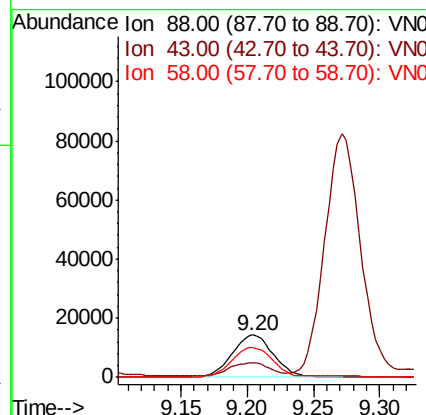
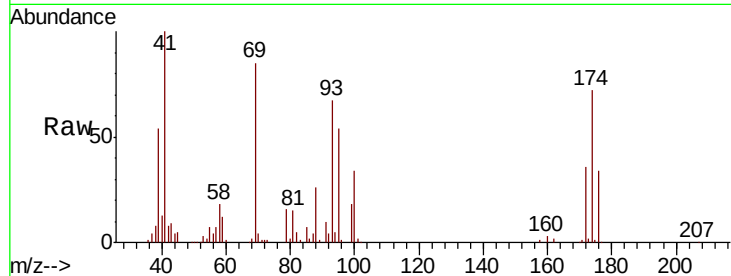
#49
1,4-Dioxane
Concen: 441.32 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	26.9	40.3
58	70.1	57.3	85.9

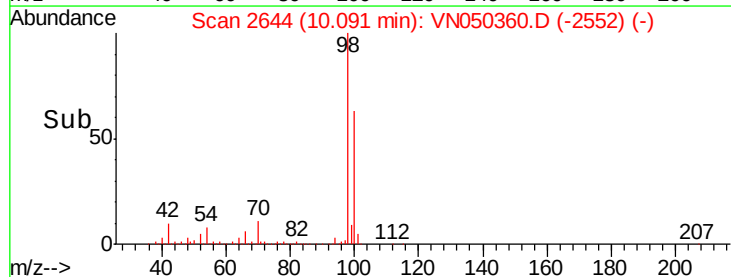
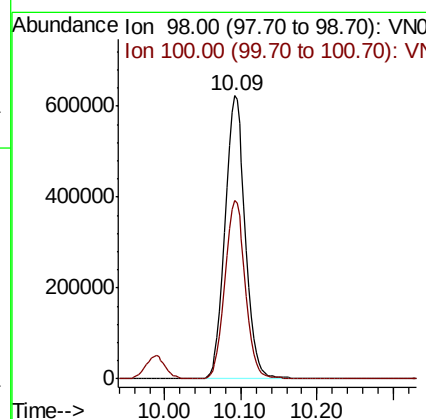
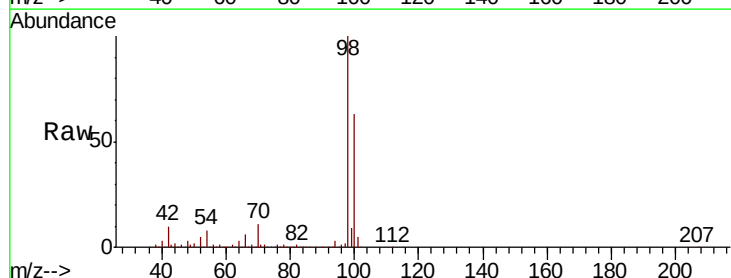
Manual Integrations
APPROVED

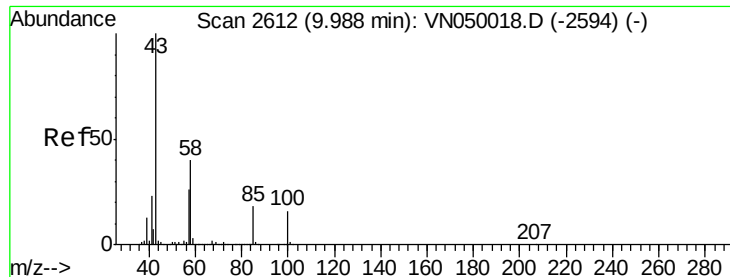
MMDadoda
8/6/2018 11:39:57 AM



#50
Toluene-d8
Concen: 50.27 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.7	76.1





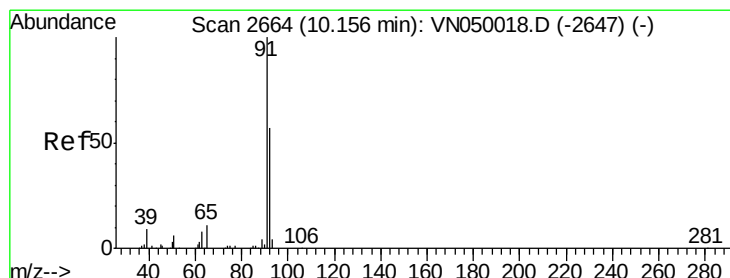
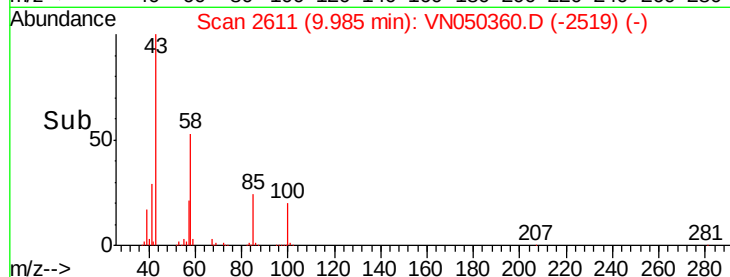
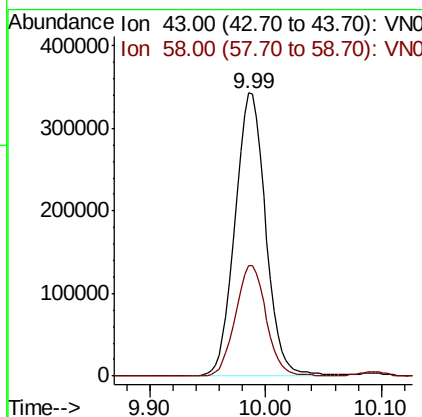
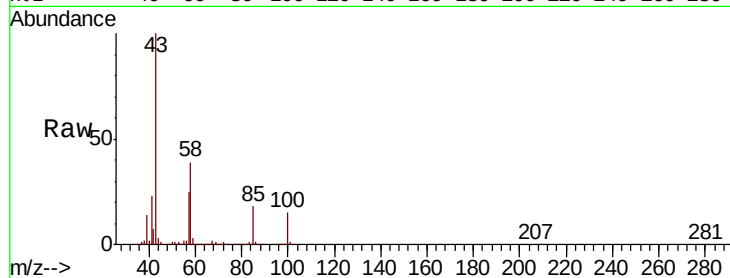
#51
4-Methyl-2-Pentanone
Concen: 105.88 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.9	47.9

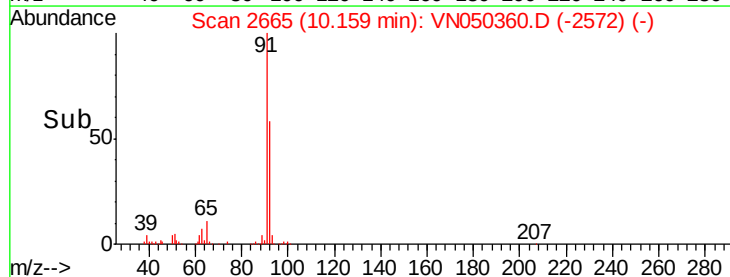
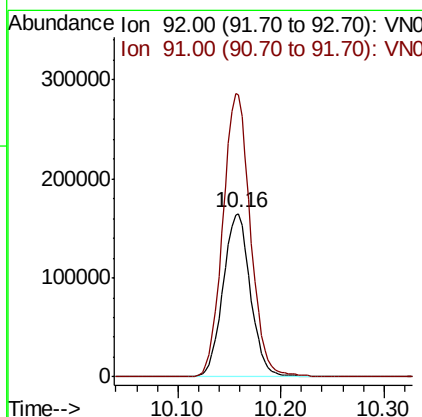
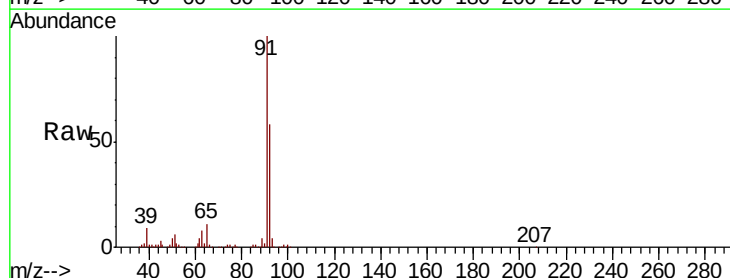
Manual Integrations
APPROVED

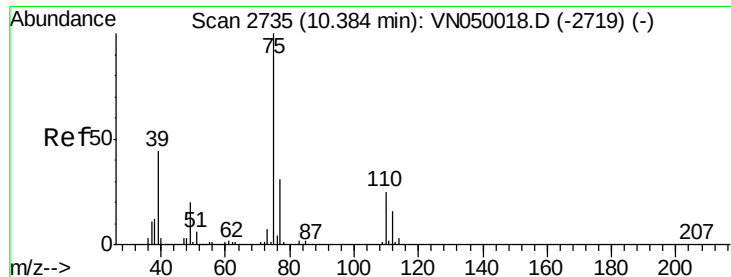
MMDadoda
8/6/2018 11:39:57 AM



#52
Toluene
Concen: 19.71 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.7	140.3	210.5





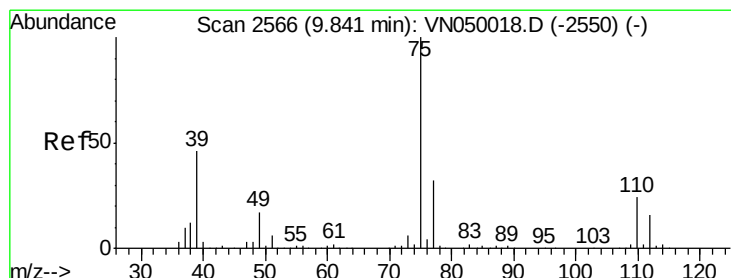
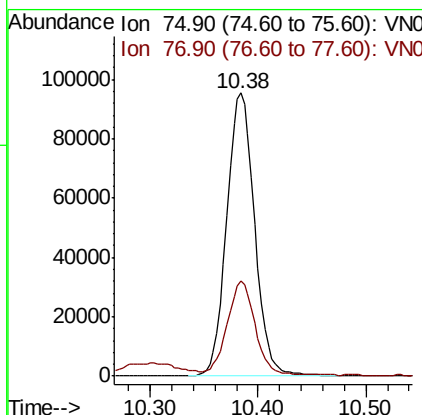
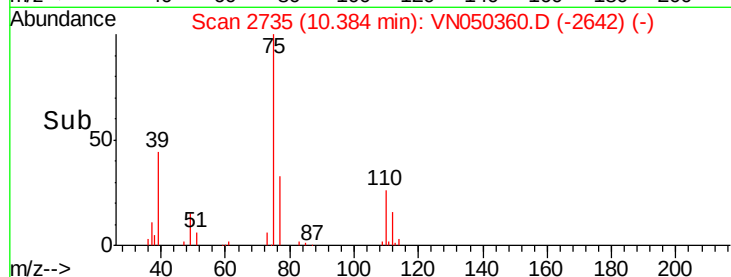
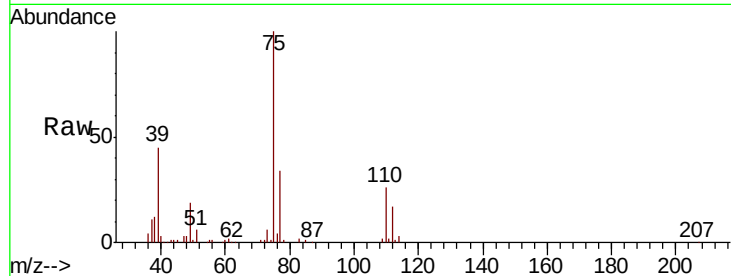
#53
 t-1,3-Dichloropropene
 Concen: 20.08 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.9	37.3

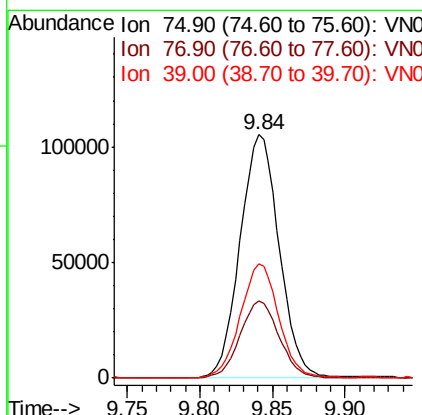
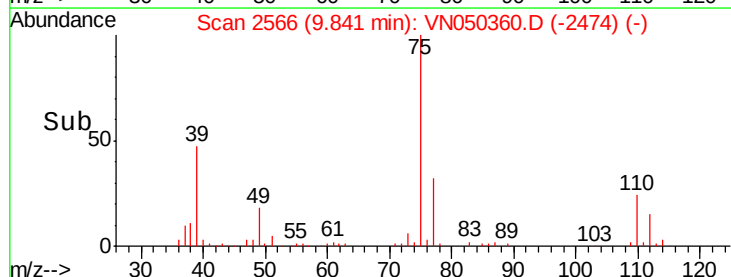
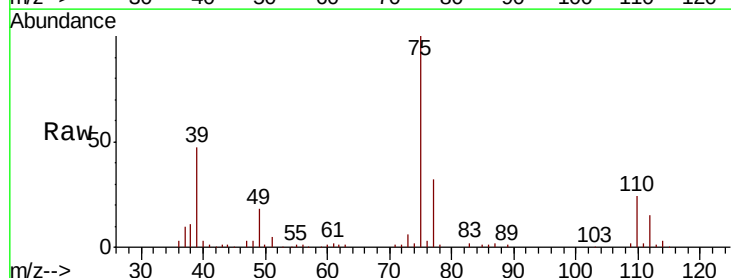
Manual Integrations
 APPROVED

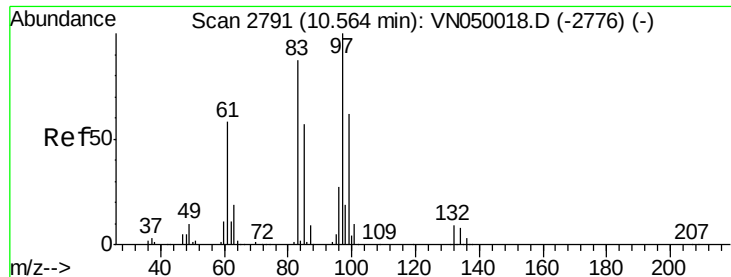
MMDadoda
 8/6/2018 11:39:57 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.12 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3
39	46.6	36.6	55.0





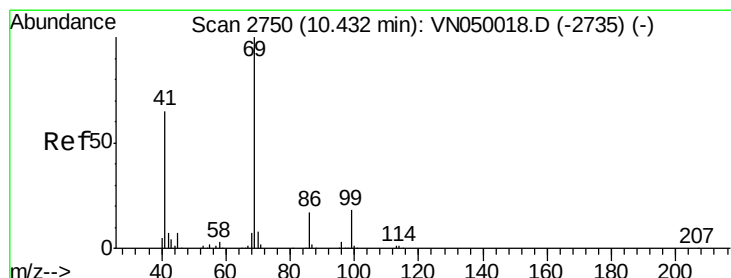
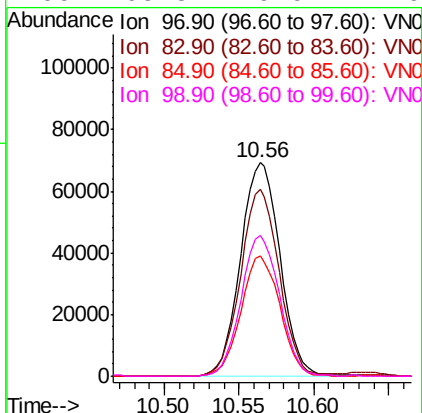
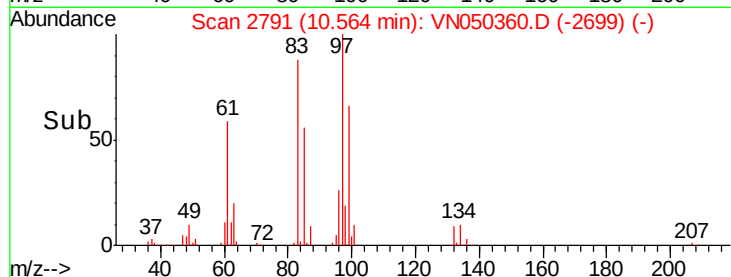
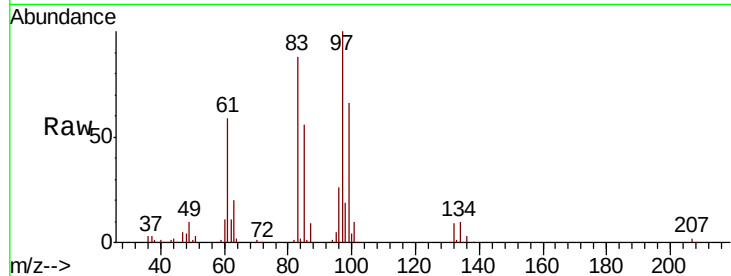
#55
 1,1,2-Trichloroethane
 Concen: 20.72 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		127306		
83	87.6	69.2	103.8		
85	56.3	44.0	66.0		
99	65.8	49.9	74.9		

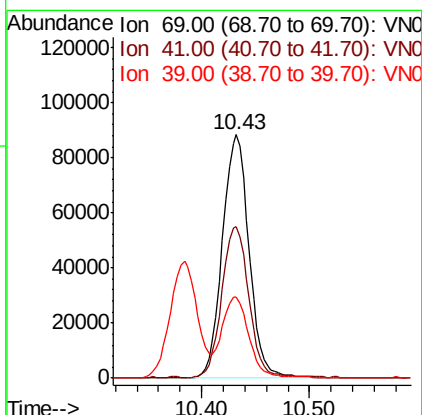
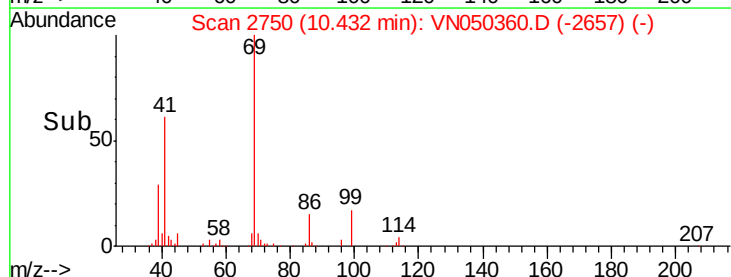
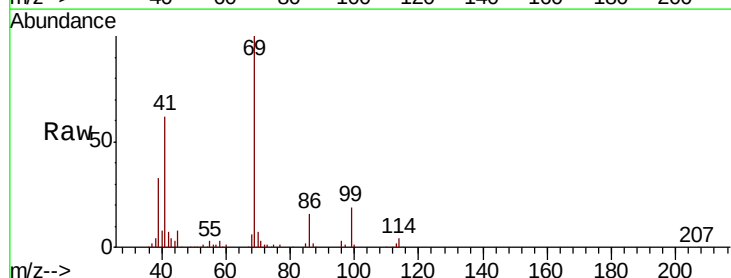
Manual Integrations
 APPROVED

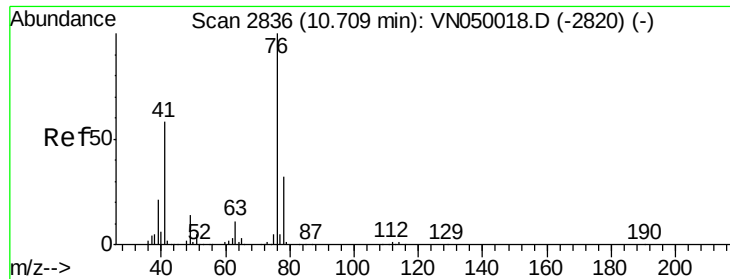
MMDadoda
 8/6/2018 11:39:57 AM



#56
 Ethyl methacrylate
 Concen: 19.59 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		152311		
41	62.4	51.0	76.4		
39	33.3	26.6	40.0		





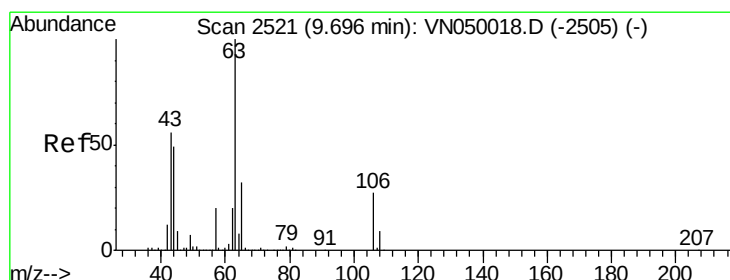
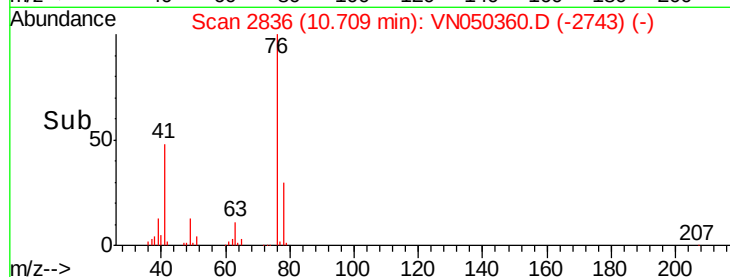
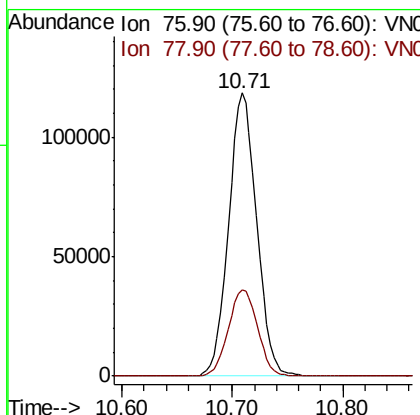
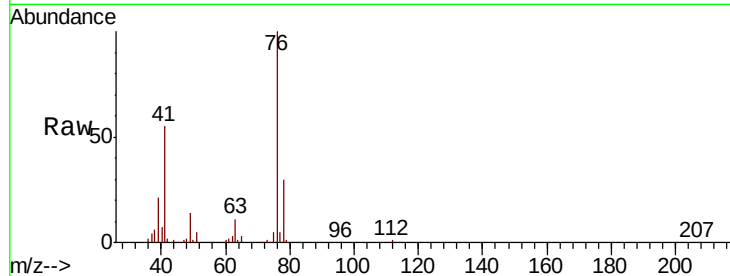
#57
 1,3-Dichloropropane
 Concen: 20.89 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.7	38.5

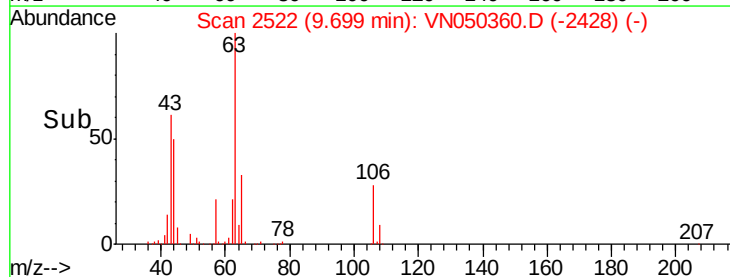
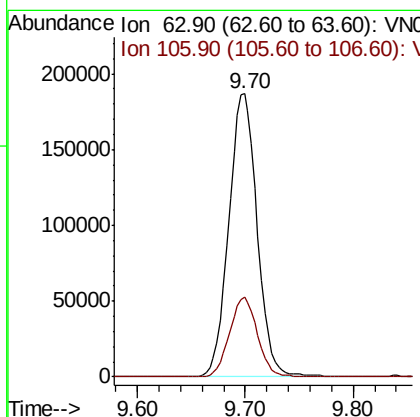
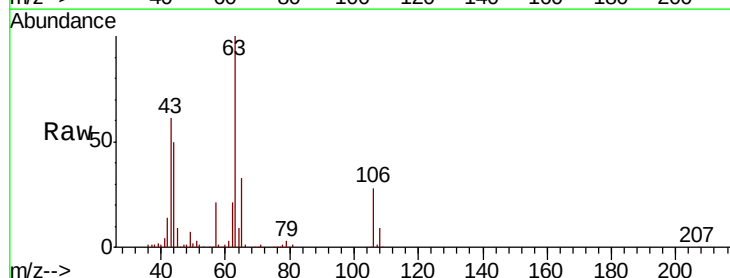
Manual Integrations
 APPROVED

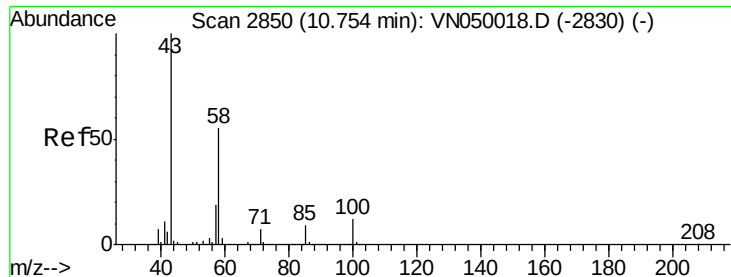
MMDadoda
 8/6/2018 11:39:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.69 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.7	32.5





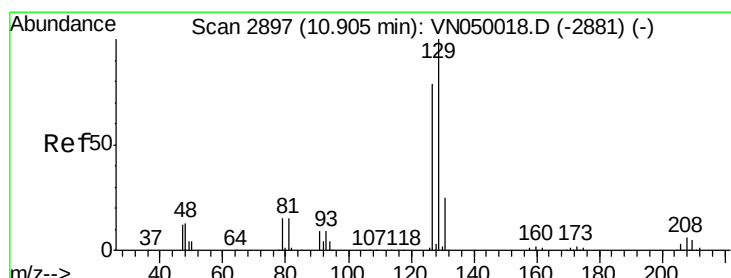
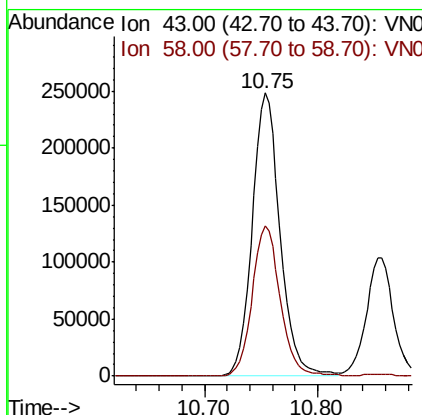
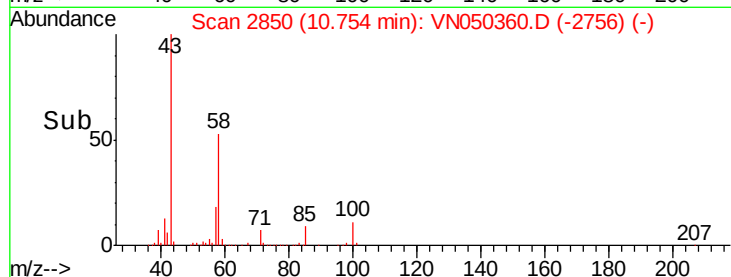
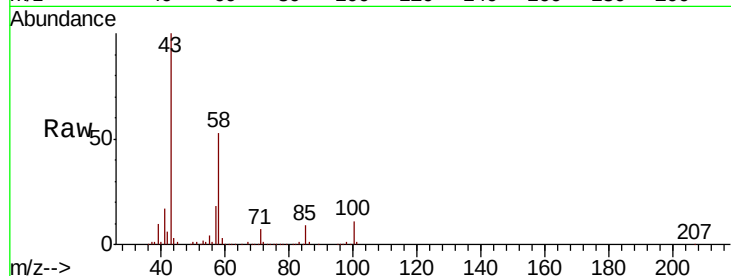
#59
2-Hexanone
Concen: 100.43 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

Tot Ion: 43 Resp: 422420
Ion Ratio Lower Upper
43 100
58 53.8 27.6 82.7

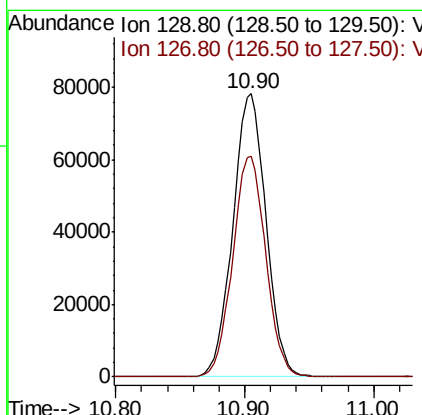
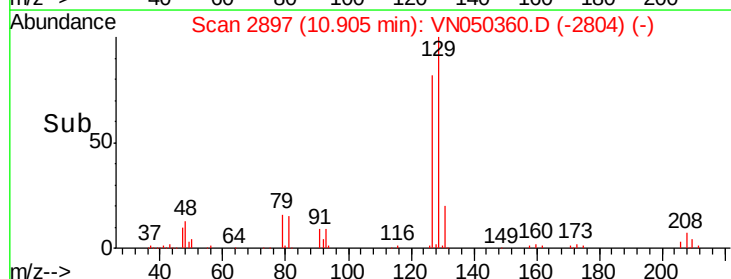
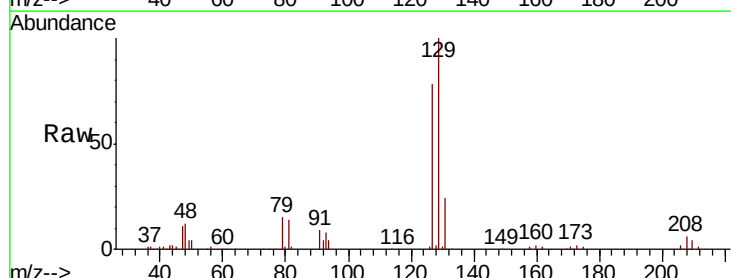
Manual Integrations
APPROVED

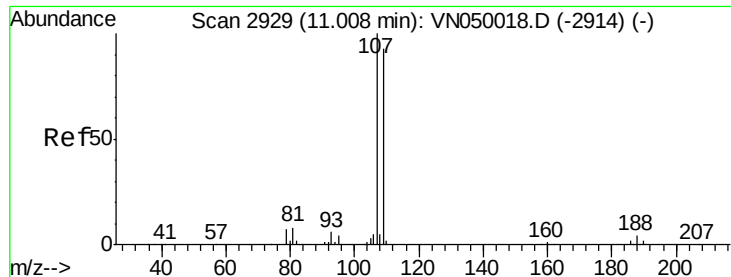
MMDadoda
8/6/2018 11:39:57 AM



#60
Dibromochloromethane
Concen: 20.54 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion: 129 Resp: 139730
Ion Ratio Lower Upper
129 100
127 77.6 38.0 113.9





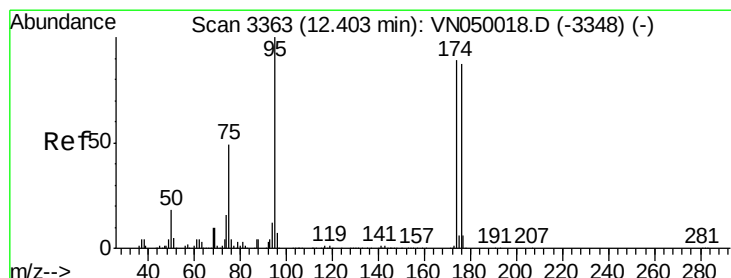
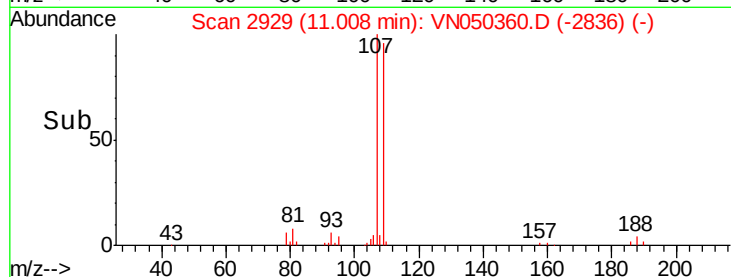
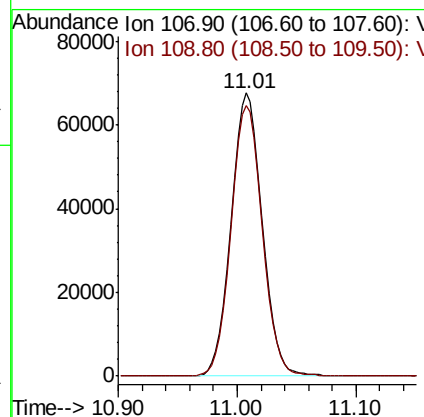
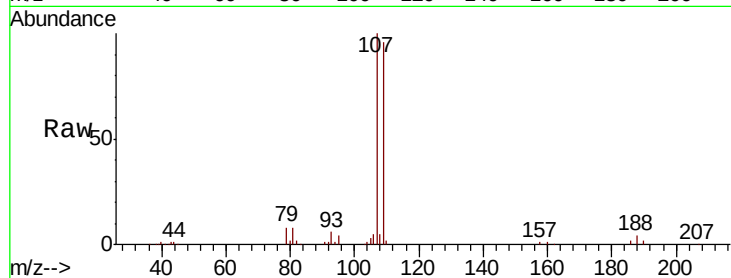
#61
 1,2-Dibromoethane
 Concen: 20.04 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	122176		
109	96.2	74.6	112.0	

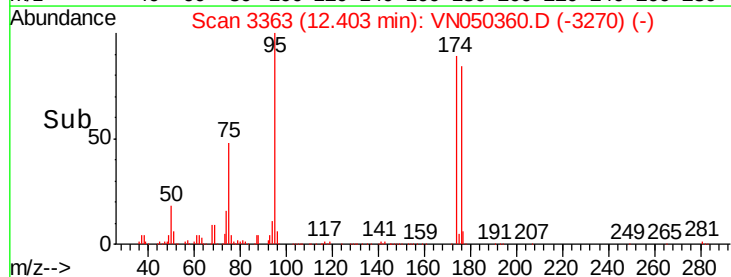
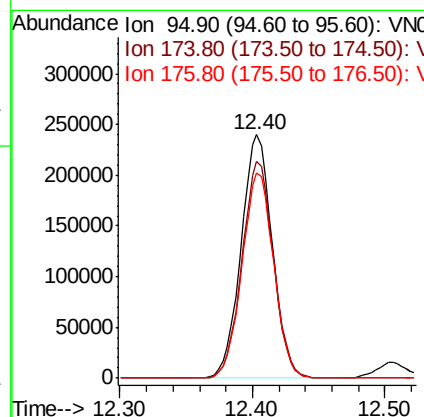
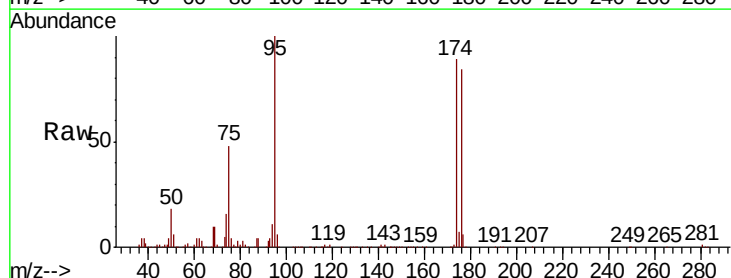
Manual Integrations
 APPROVED

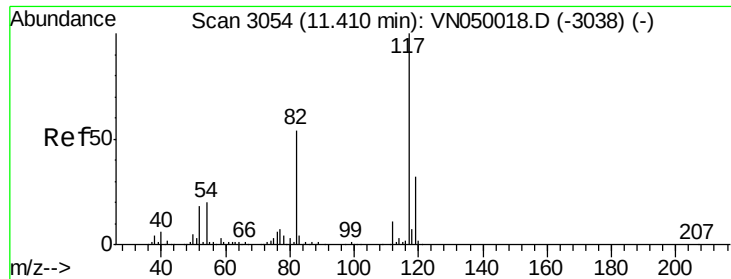
MMDadoda
 8/6/2018 11:39:57 AM



#62
 4-Bromofluorobenzene
 Concen: 51.66 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	390805		
174	89.8	0.0	178.2	
176	85.8	0.0	173.4	





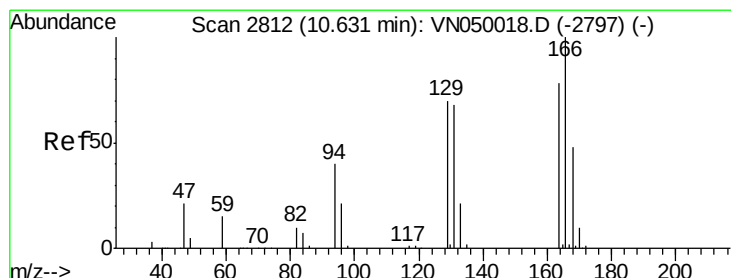
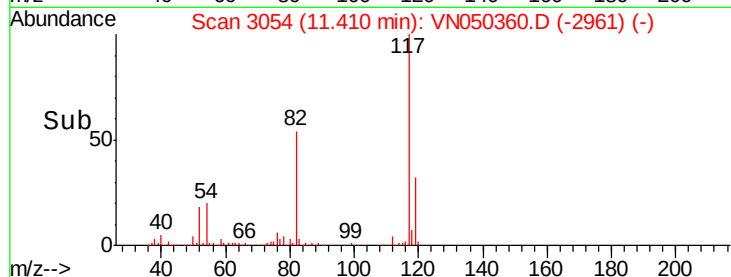
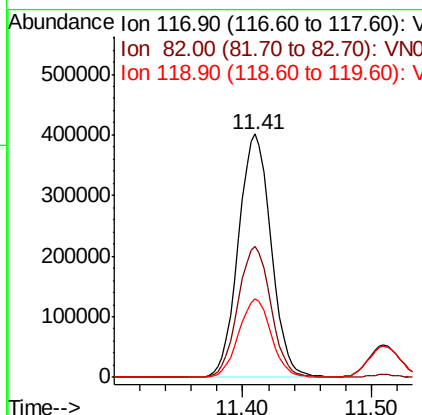
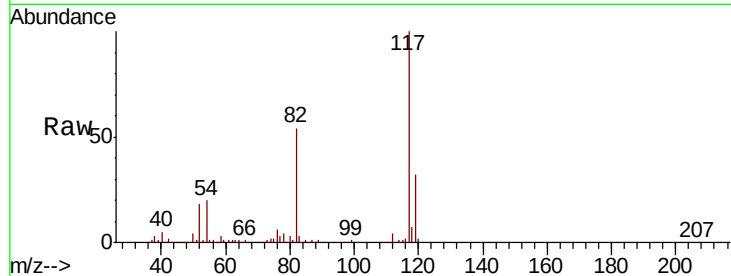
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0804WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.7	65.5
119	32.2	26.1	39.1

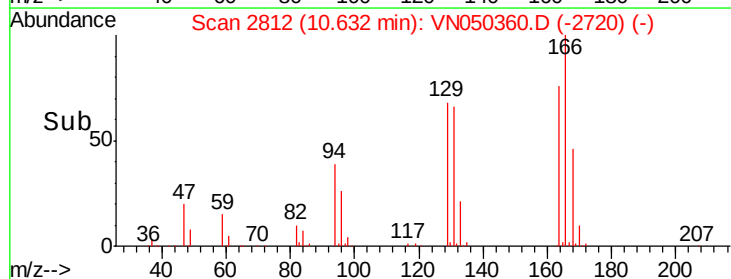
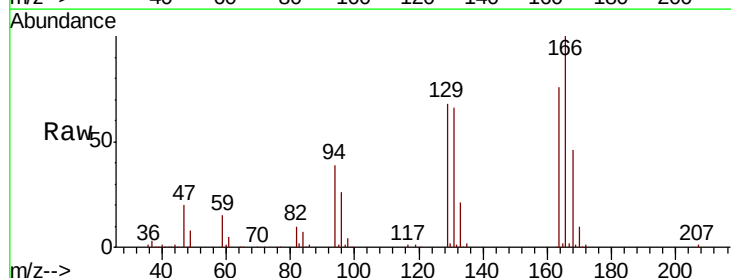
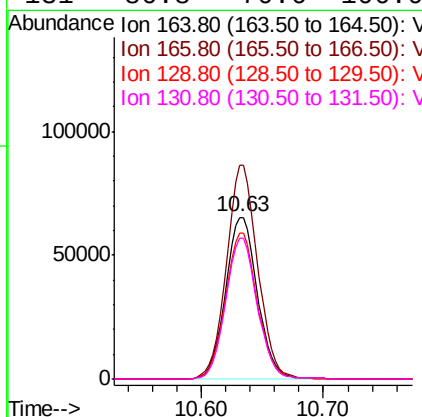
Manual Integrations
APPROVED

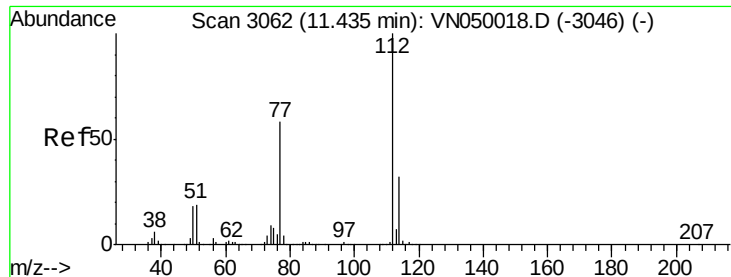
MMDadoda
8/6/2018 11:39:57 AM



#64
Tetrachloroethene
Concen: 17.45 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	102.1	153.1
129	90.2	73.2	109.8
131	86.8	70.6	106.0





#65

Chlorobenzene

Concen: 18.65 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

Tot Ion:112 Resp: 334815

Ion Ratio Lower Upper

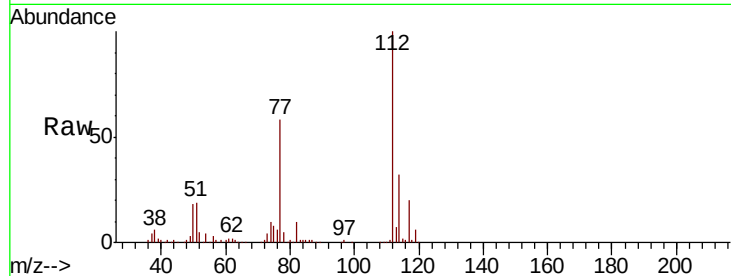
112 100

114 32.0 25.6 38.4

Manual Integrations
APPROVED

MMDadoda

8/6/2018 11:39:57 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

200000

150000

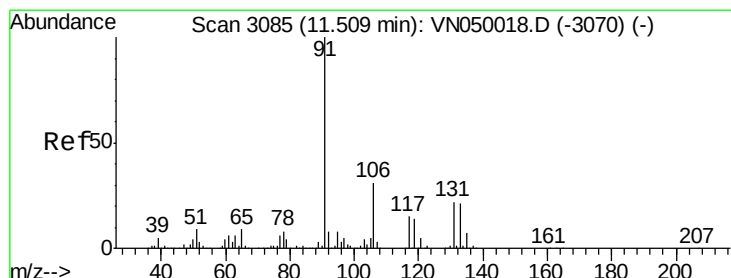
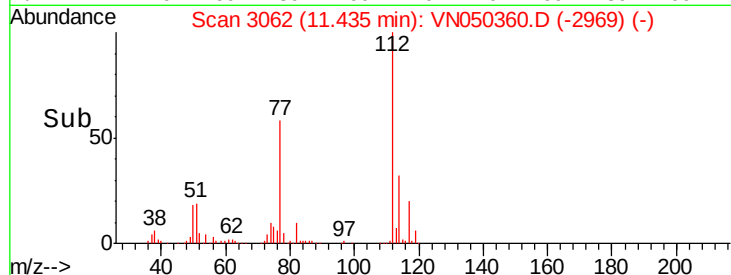
100000

50000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.42 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

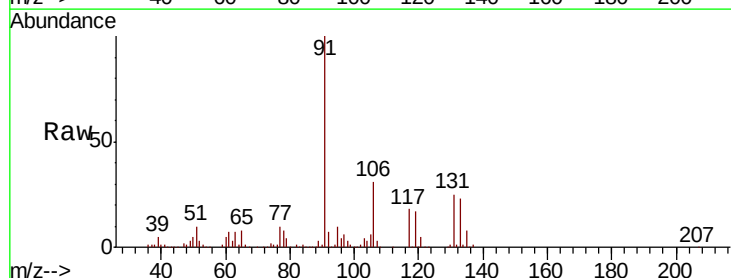
Tgt Ion:131 Resp: 133991

Ion Ratio Lower Upper

131 100

133 91.9 47.3 141.9

119 66.8 32.9 98.7



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

150000

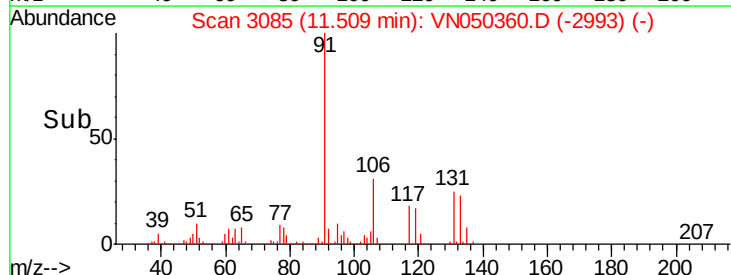
100000

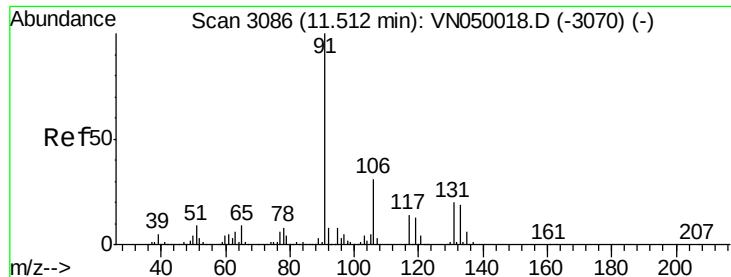
50000

0

11.45 11.50 11.55

Time-->





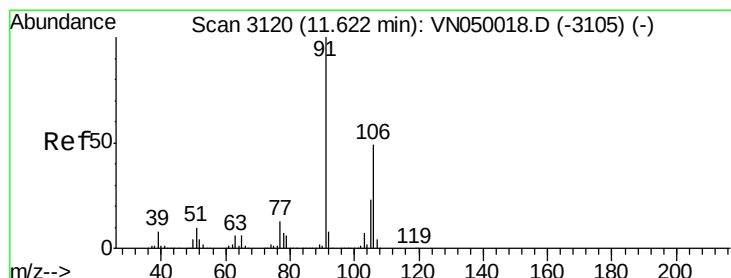
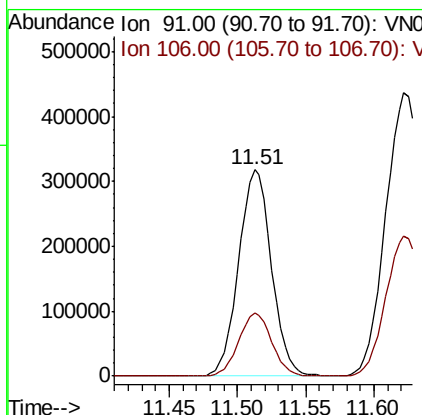
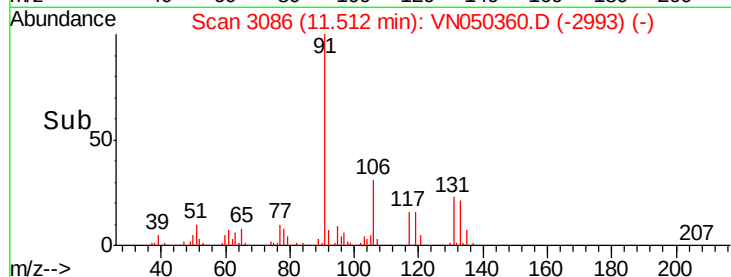
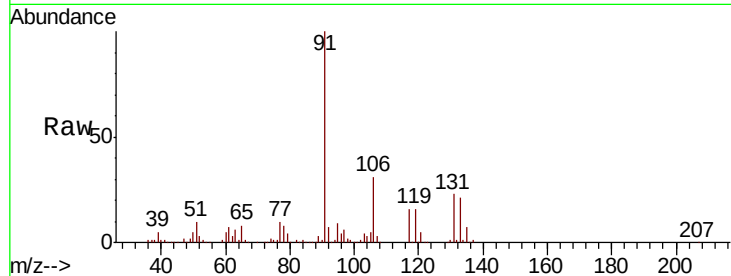
#67
Ethyl Benzene
Concen: 18.44 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0804WBSD01

Tot Ion: 91 Resp: 531949
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4

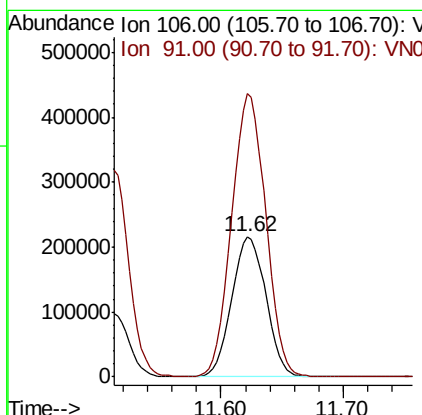
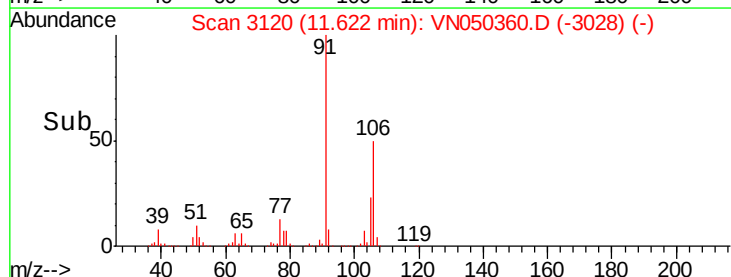
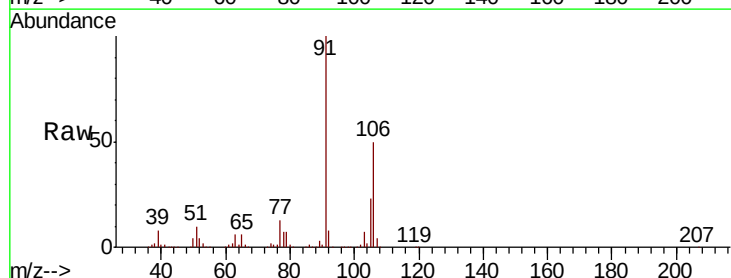
Manual Integrations
APPROVED

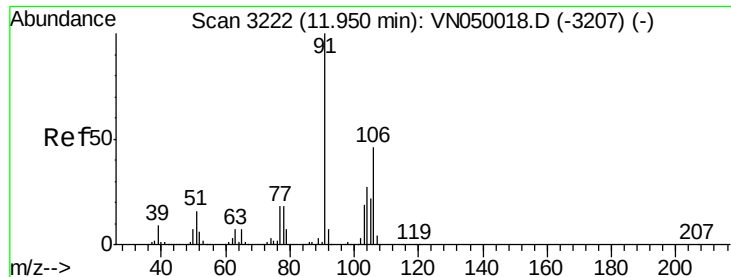
MMDadoda
8/6/2018 11:39:57 AM



#68
m/p-Xylenes
Concen: 38.48 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion: 106 Resp: 419765
Ion Ratio Lower Upper
106 100
91 201.9 162.2 243.2





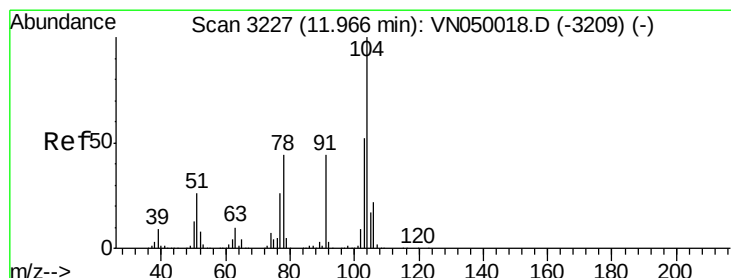
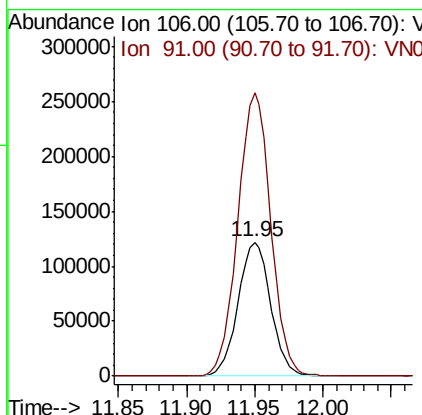
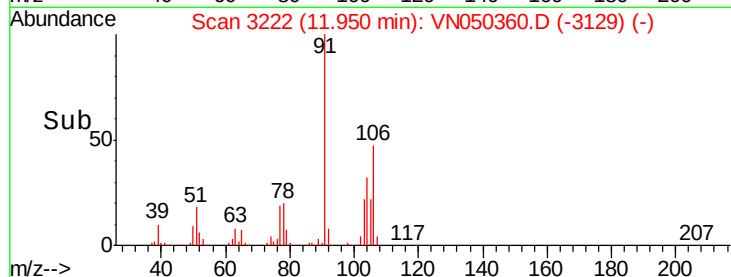
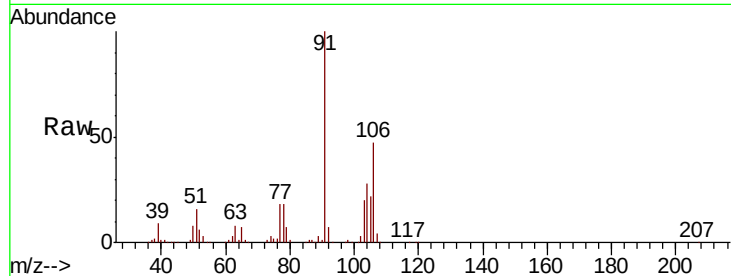
#69
o-Xylene
Concen: 19.50 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0804WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.0	107.7	323.1

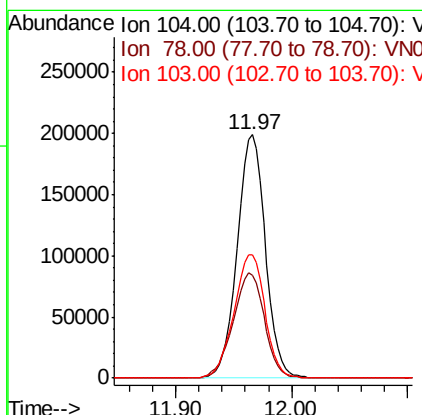
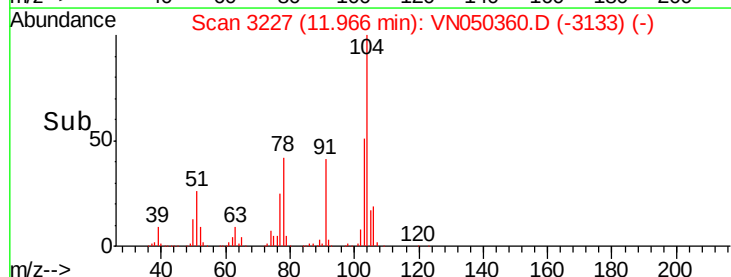
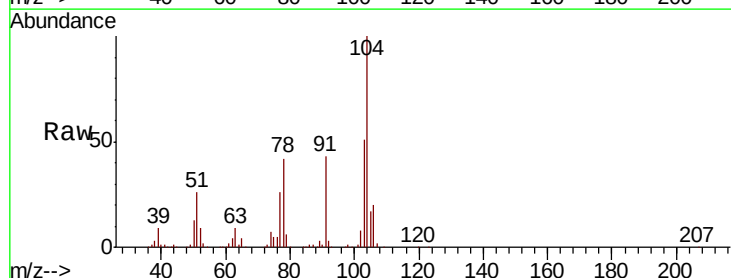
Manual Integrations
APPROVED

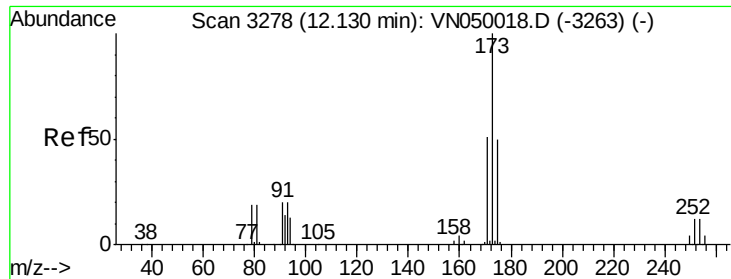
MMDadoda
8/6/2018 11:39:57 AM



#70
Styrene
Concen: 18.70 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	39.3	58.9
103	55.7	45.0	67.6





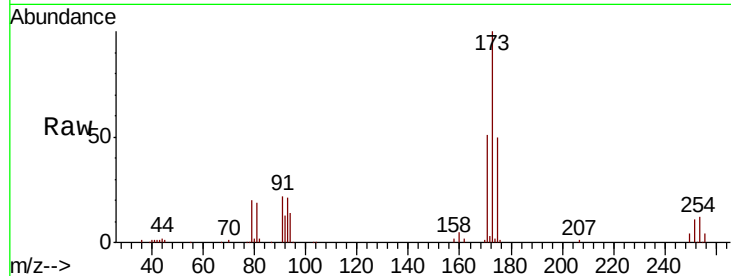
#71
Bromoform
Concen: 18.84 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0804WBSD01

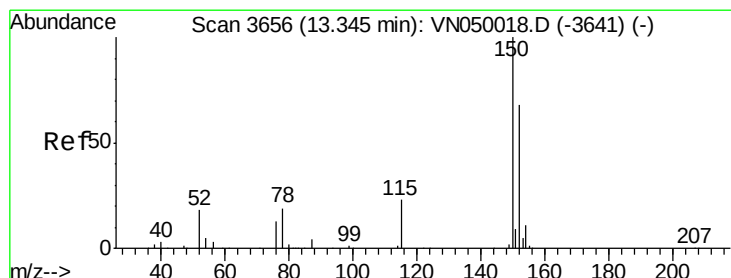
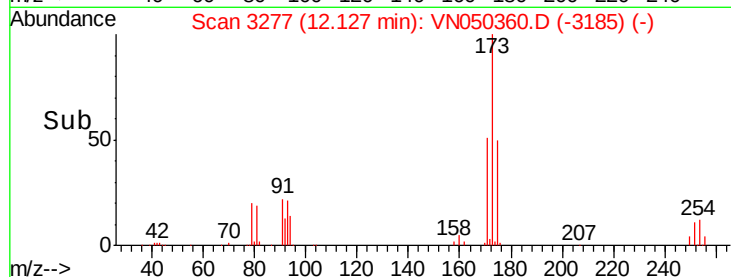
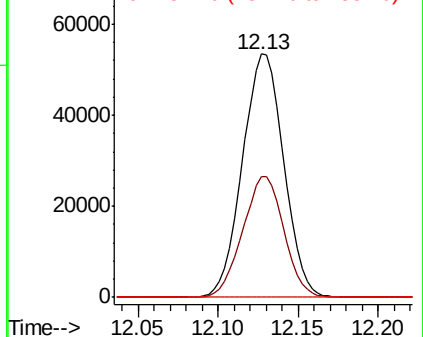
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:39:57 AM

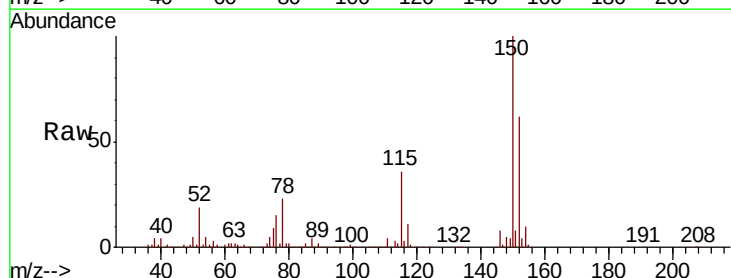


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

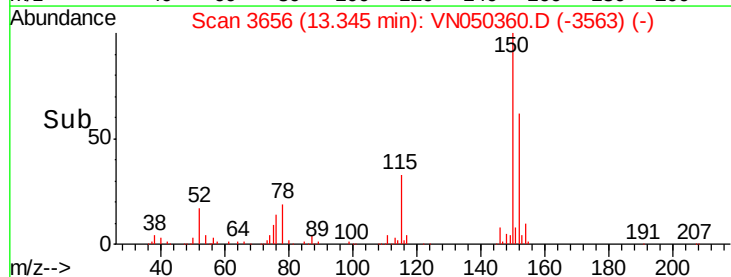
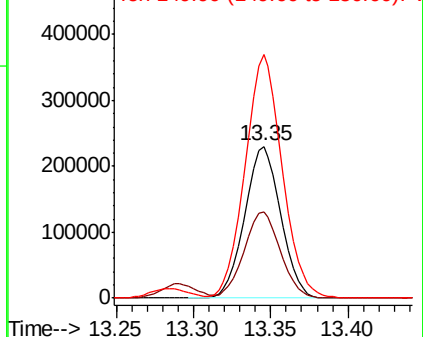


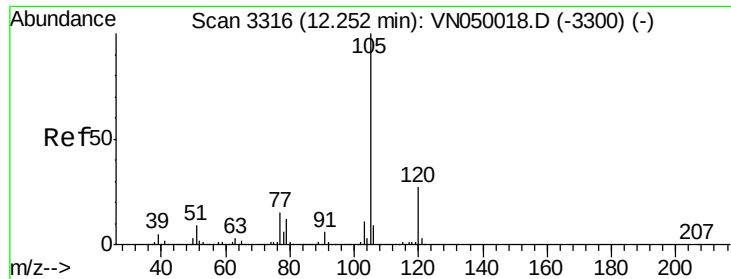
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	27.8	83.3
150	164.6	0.0	348.6



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: 18.20 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampled :

VN0804WBSD01

Tot Ion:105 Resp: 527144

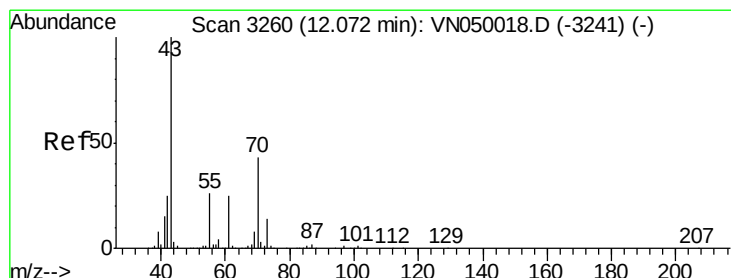
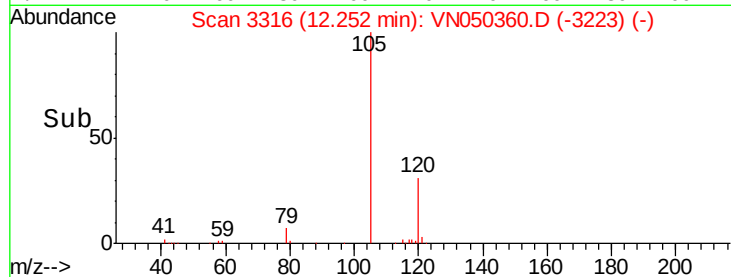
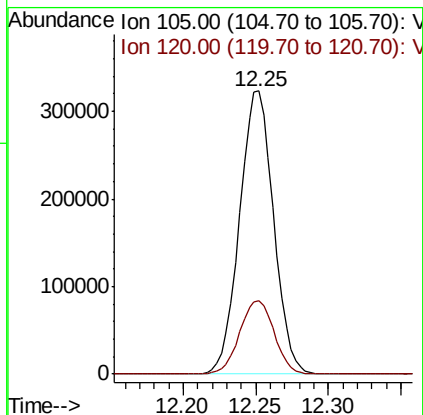
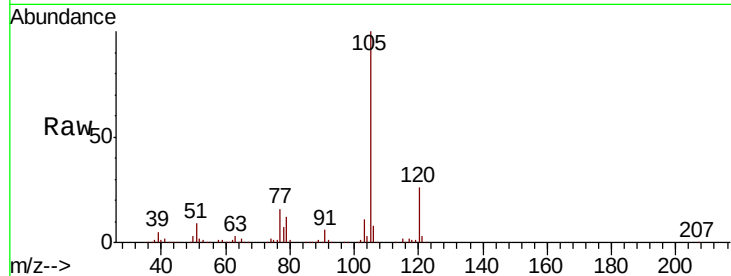
Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:39:57 AM



#74

N-ethyl acetate

Concen: 19.09 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Tgt Ion: 43 Resp: 168974

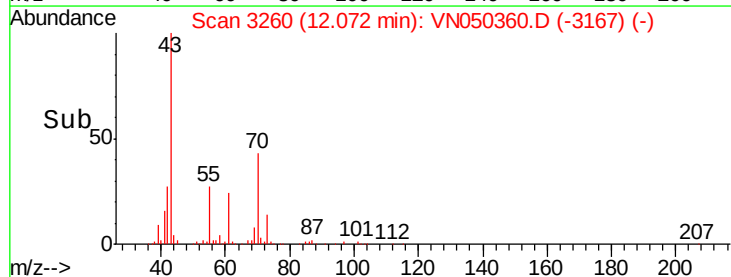
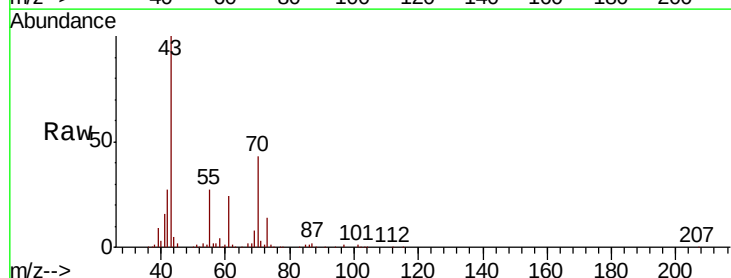
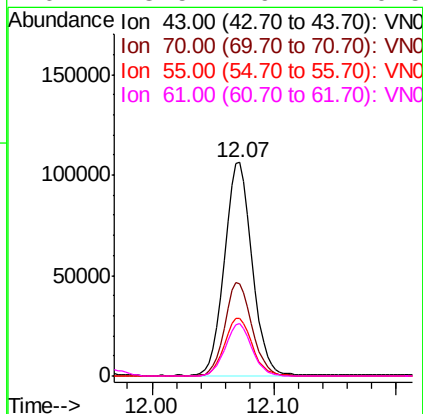
Ion Ratio Lower Upper

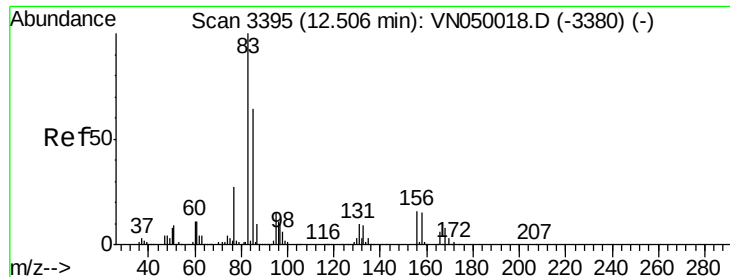
43 100

70 43.1 34.4 51.6

55 27.3 20.8 31.2

61 23.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.66 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampled :

VN0804WBSD01

Tot Ion: 83 Resp: 167838
Ion Ratio Lower Upper

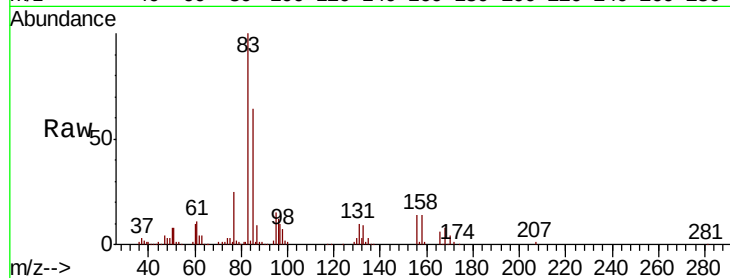
83 100

131 10.2 5.1 15.3

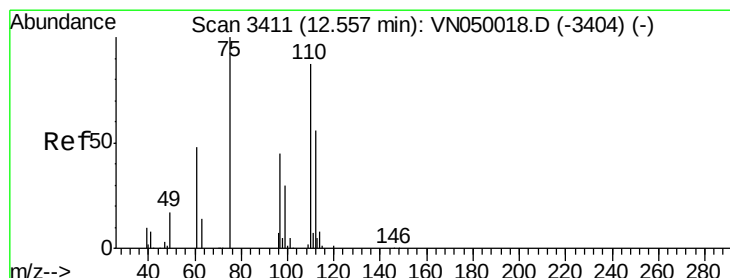
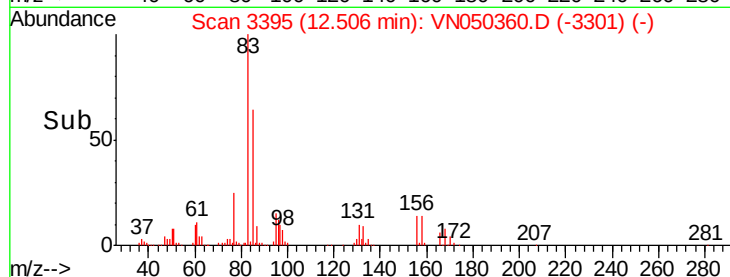
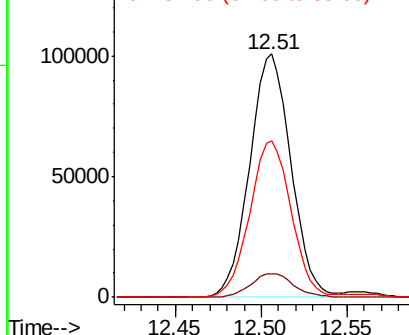
85 64.6 32.3 96.8

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:39:57 AM



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



#76

1,2,3-Trichloropropane

Concen: 20.48 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

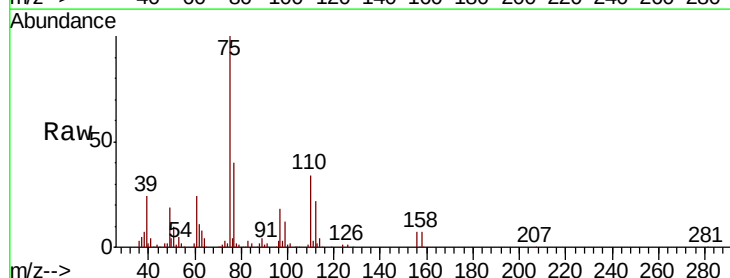
Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

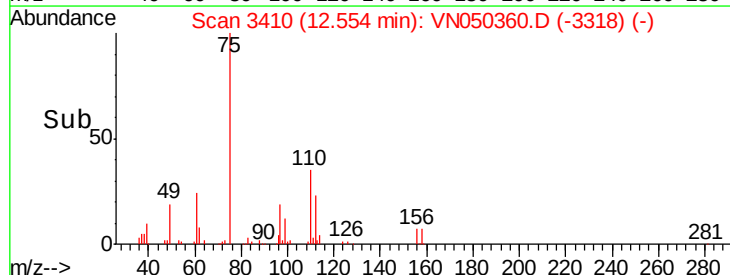
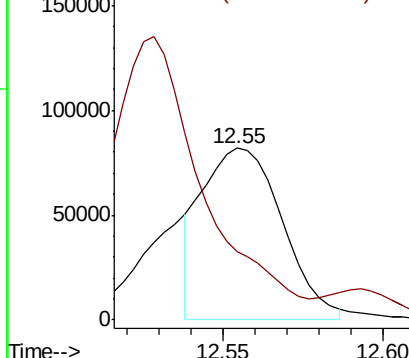
Tgt Ion: 75 Resp: 142147
Ion Ratio Lower Upper

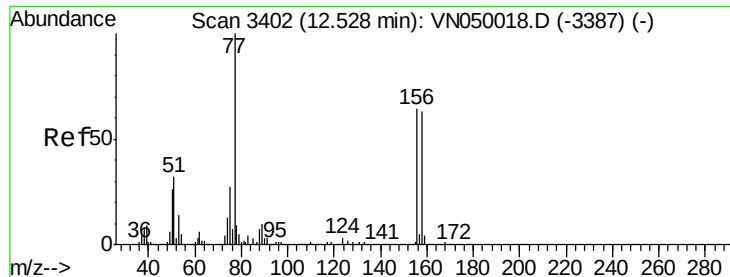
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 18.35 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampled :

VN0804WBSD01

Tot Ion:156 Resp: 147270

Ion Ratio Lower Upper

156 100

77 187.6 91.7 275.1

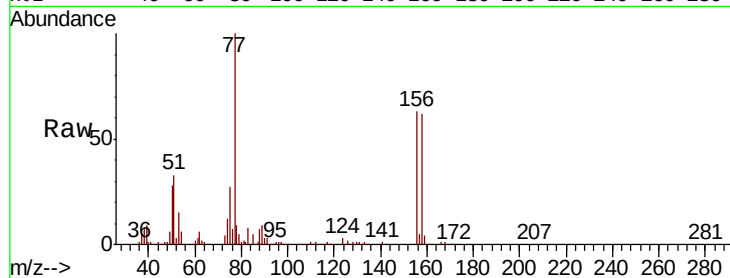
158 98.9 48.9 146.6

Manual Integrations

APPROVED

MMDadoda

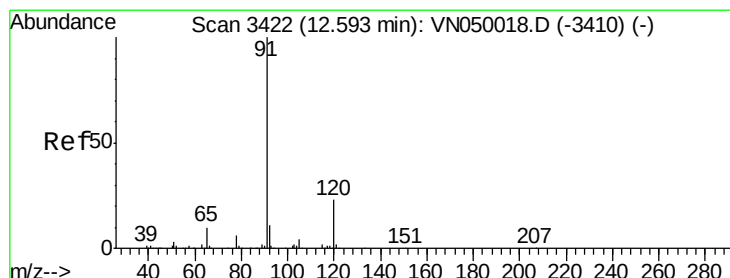
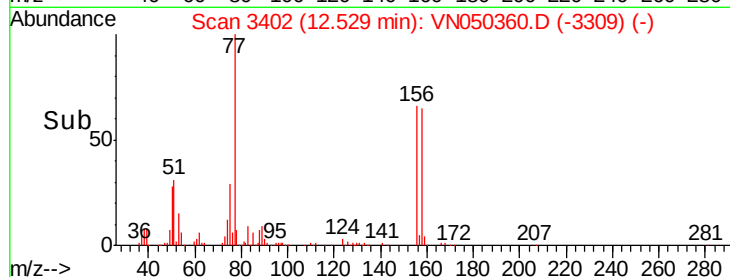
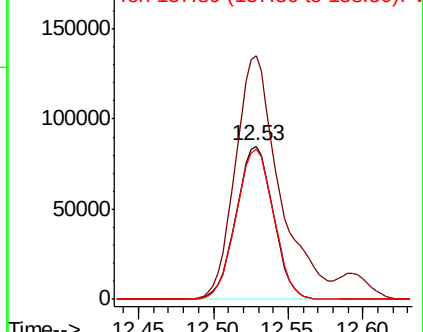
8/6/2018 11:39:57 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.35 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050360.D

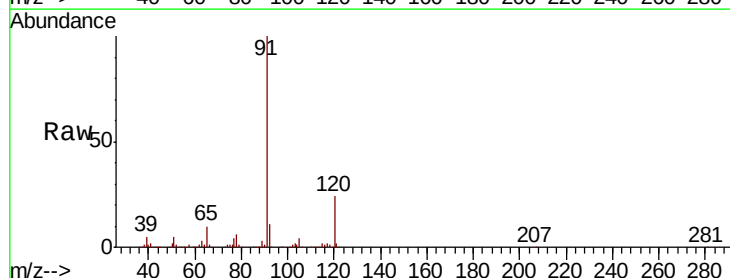
Acq: 4 Aug 2018 12:28

Tgt Ion: 91 Resp: 593902

Ion Ratio Lower Upper

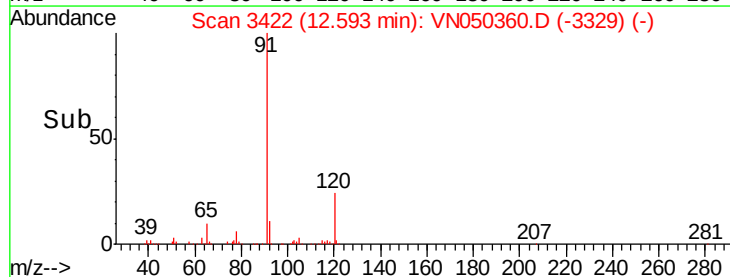
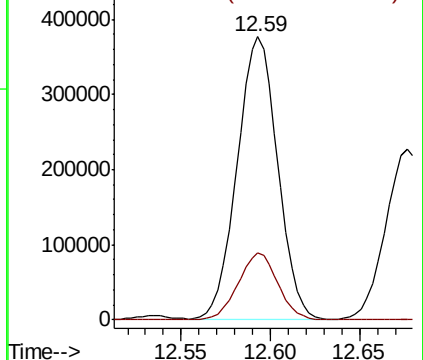
91 100

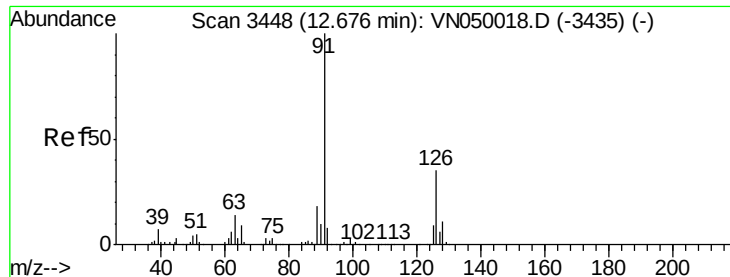
120 23.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.81 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

Tot Ion: 91 Resp: 377435

Ion Ratio Lower Upper

91 100

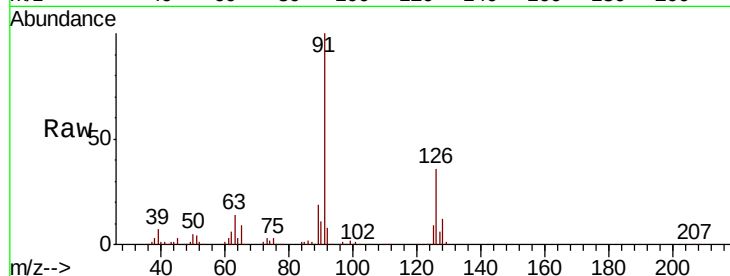
126 35.6 17.6 52.8

Manual Integrations

APPROVED

MMDadoda

8/6/2018 11:39:57 AM



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050018.D (-3435) (-)

250000

200000

150000

100000

50000

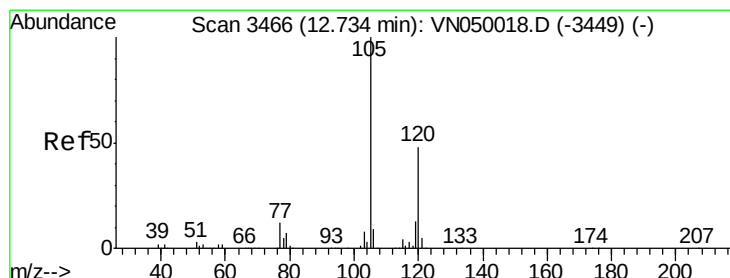
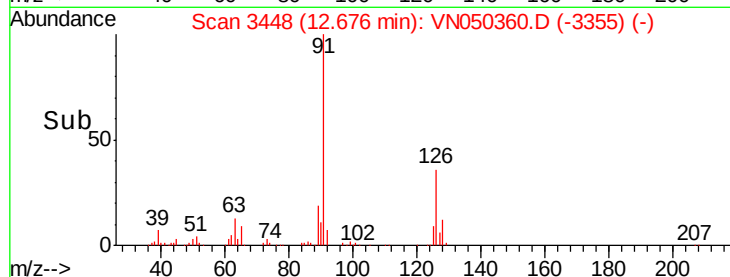
0

12.65

12.70

12.68

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.31 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050360.D

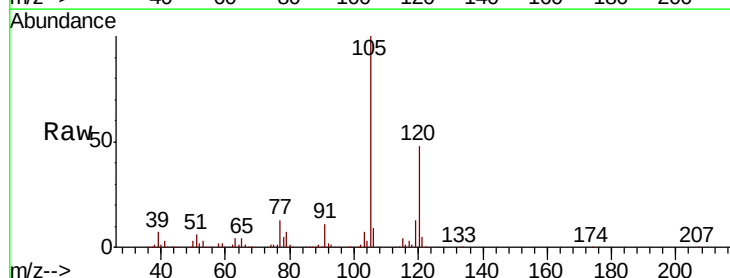
Acq: 4 Aug 2018 12:28

Tgt Ion:105 Resp: 440000

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)

300000

250000

200000

150000

100000

50000

0

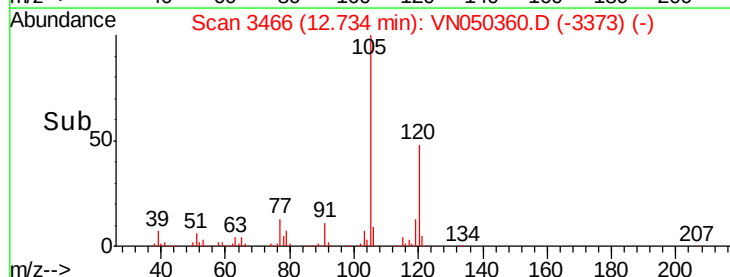
12.65

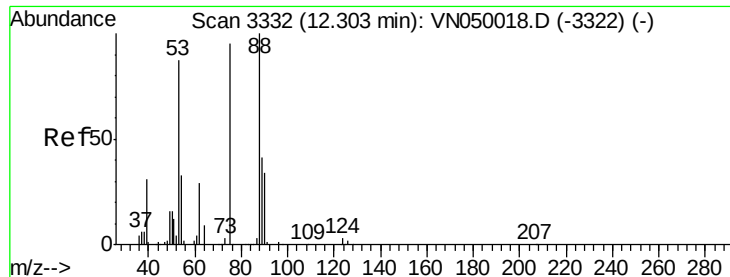
12.70

12.73

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.68 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

Tot Ion: 75 Resp: 40870

Ion Ratio Lower Upper

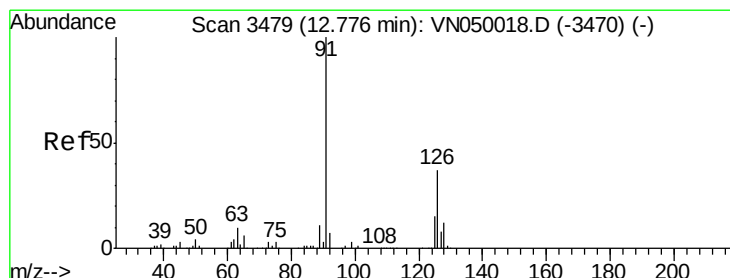
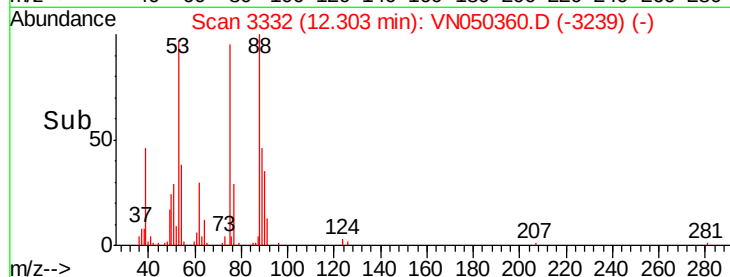
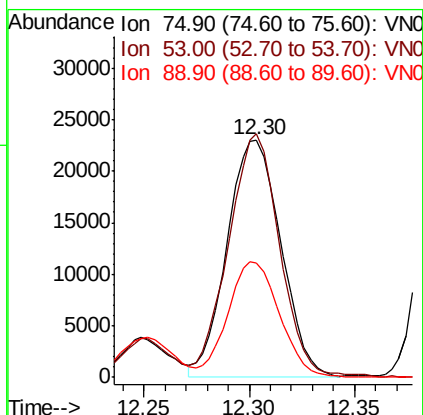
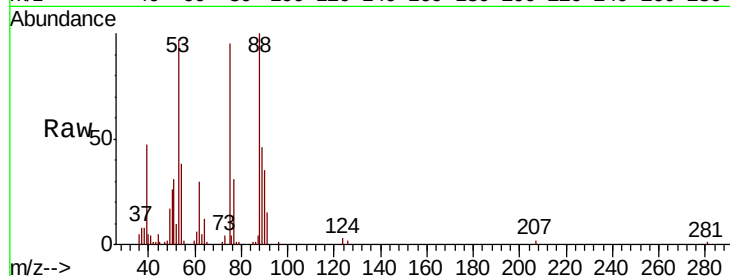
75 100

53 97.9 73.5 110.3

89 46.7 36.0 54.0

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:39:57 AM



#82

4-Chlorotoluene

Concen: 19.11 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050360.D

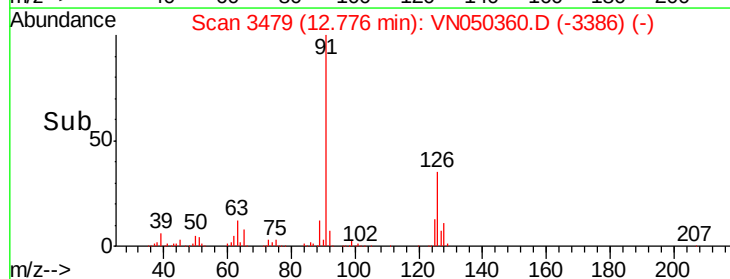
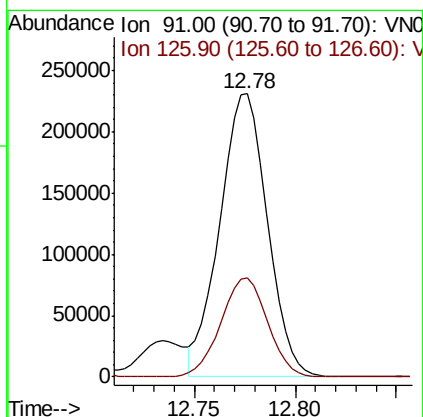
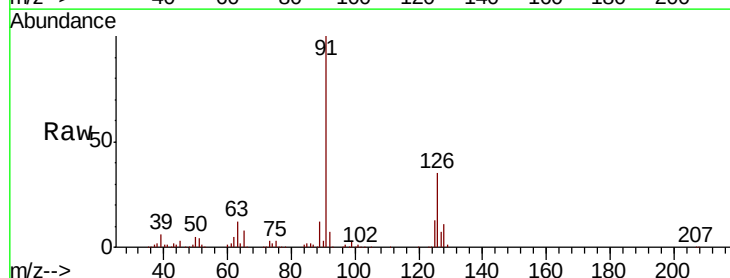
Acq: 4 Aug 2018 12:28

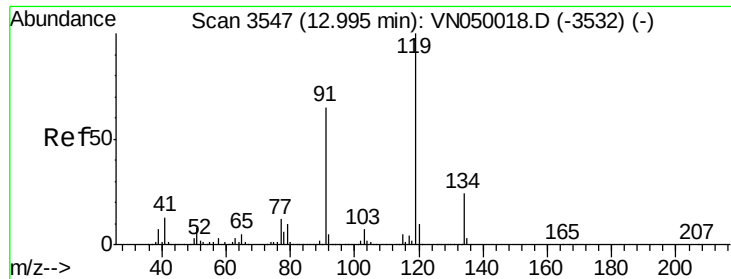
Tgt Ion: 91 Resp: 379739

Ion Ratio Lower Upper

91 100

126 34.6 17.0 51.0





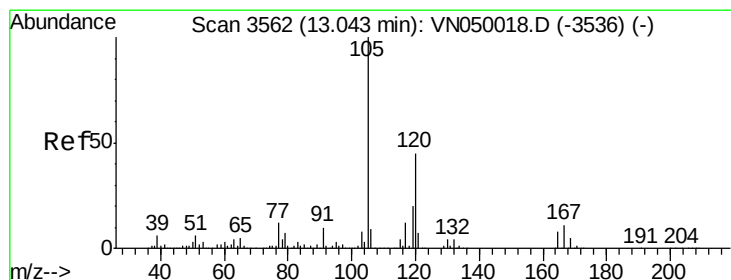
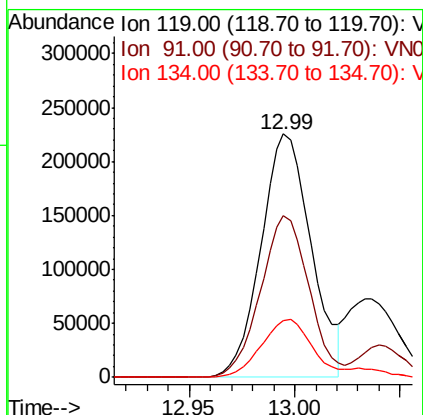
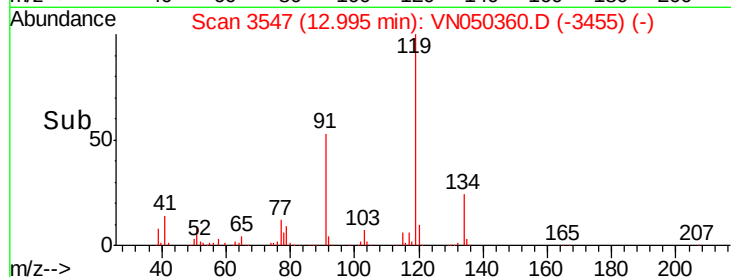
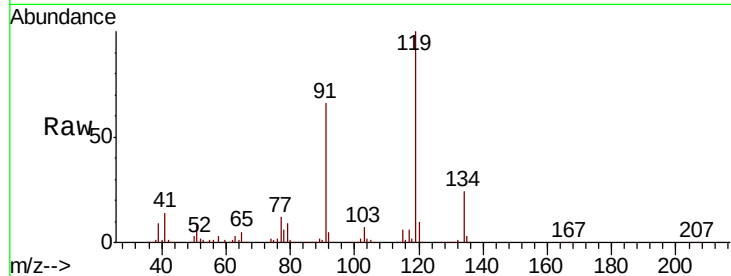
#83
 tert-Butylbenzene
 Concen: 18.81 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.1	96.3
134	24.1	13.2	39.5

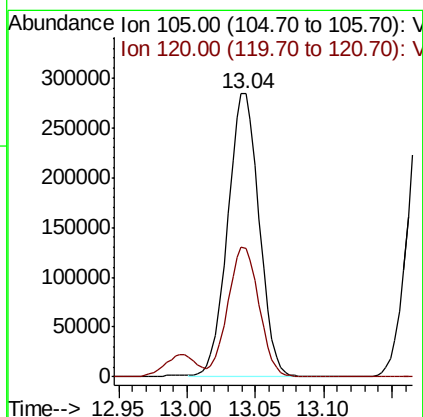
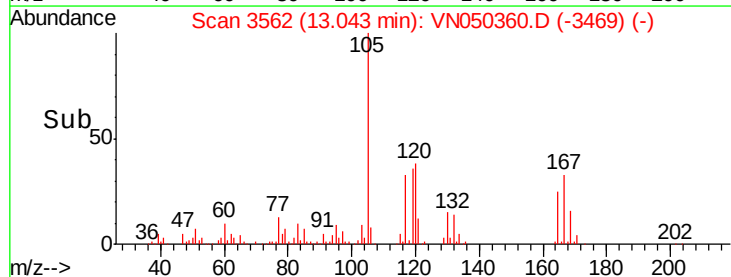
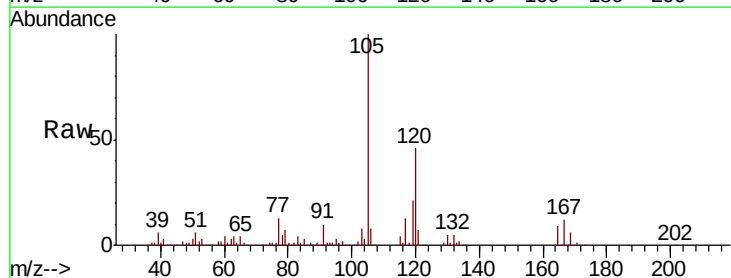
Manual Integrations
 APPROVED

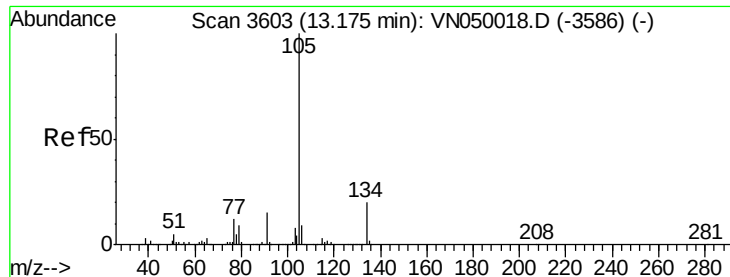
MMDadoda
 8/6/2018 11:39:57 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.81 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.7





#85

sec-Butylbenzene

Concen: 18.66 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampled :

VN0804WBSD01

Tot Ion:105 Resp: 495702

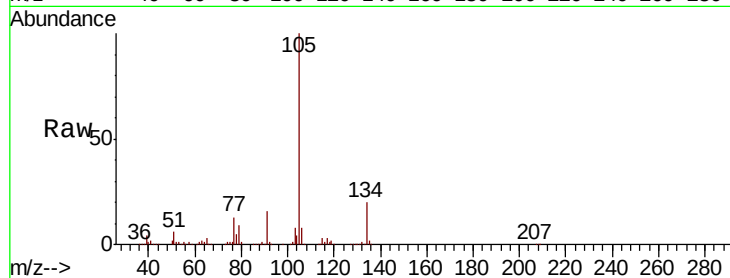
Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1

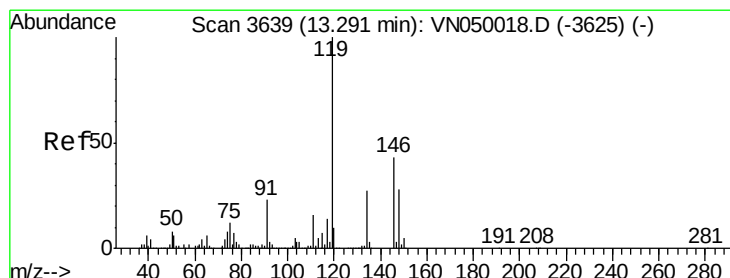
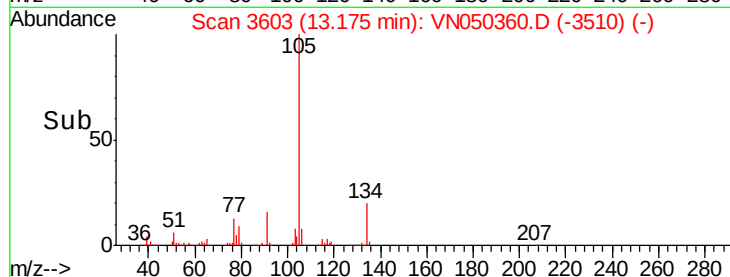
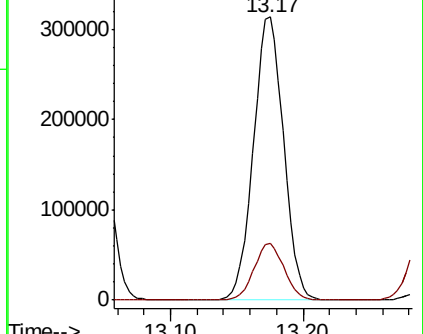
Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:39:57 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.10 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

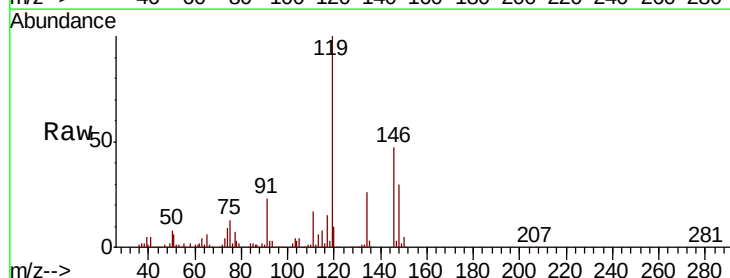
Tgt Ion:119 Resp: 427455

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

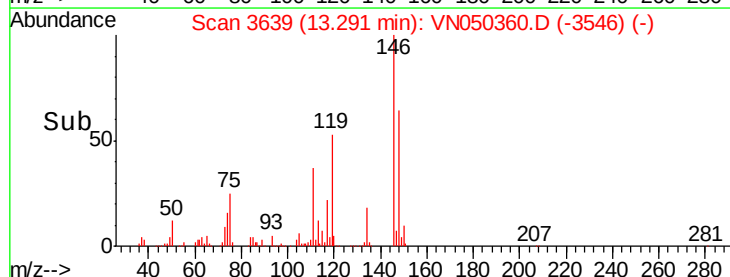
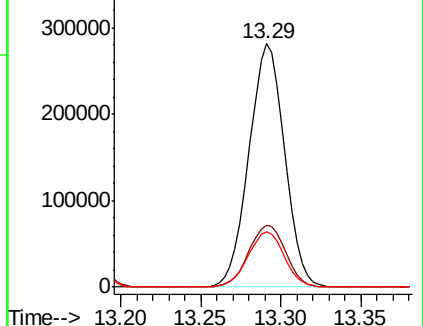
91 23.0 11.4 34.2

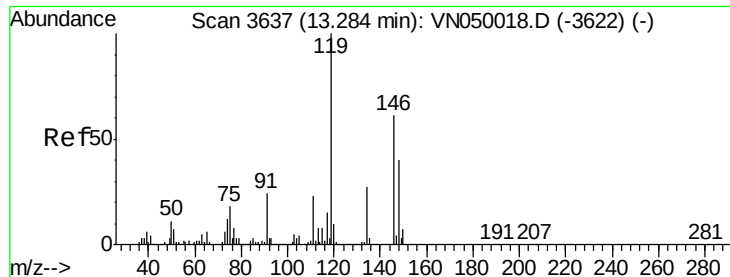


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





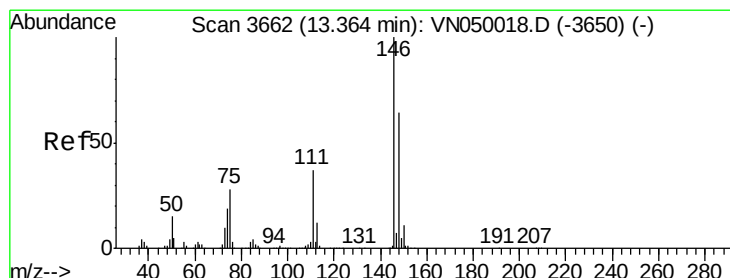
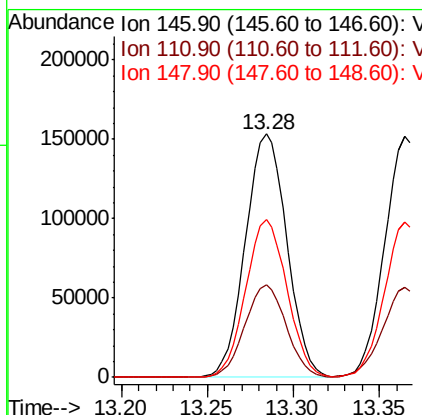
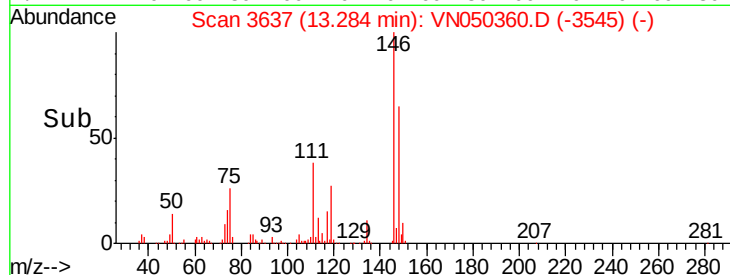
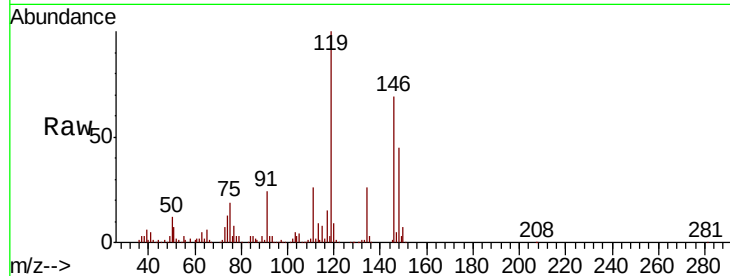
#87
 1,3-Dichlorobenzene
 Concen: 18.88 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	256955		
111	37.8	18.8	56.4	
148	64.5	31.9	95.9	

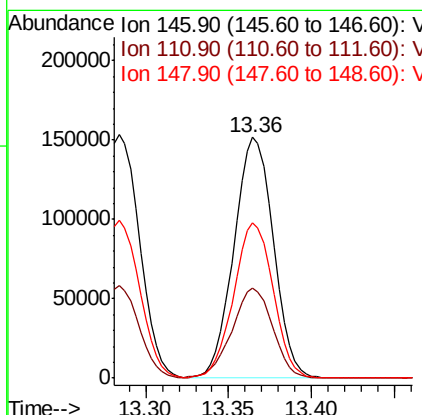
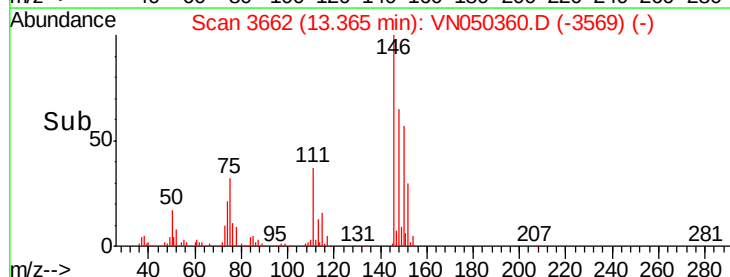
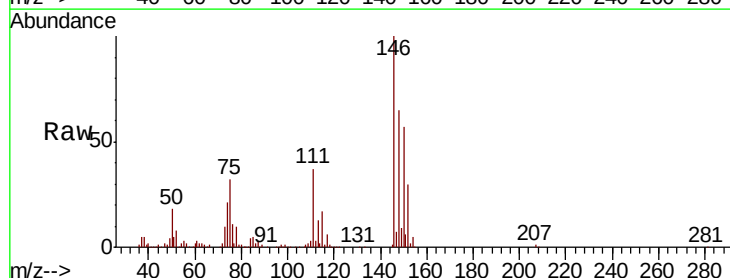
Manual Integrations
 APPROVED

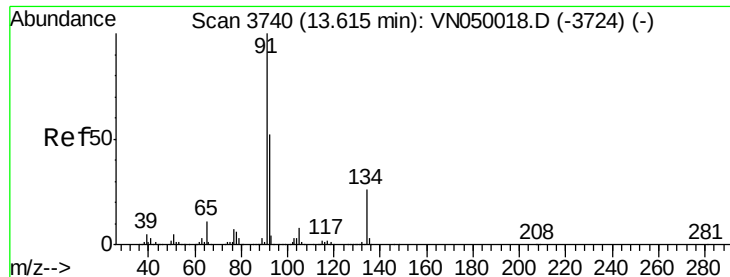
MMDadoda
 8/6/2018 11:39:57 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.00 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	252048		
111	38.6	18.3	54.9	
148	64.5	31.9	95.9	





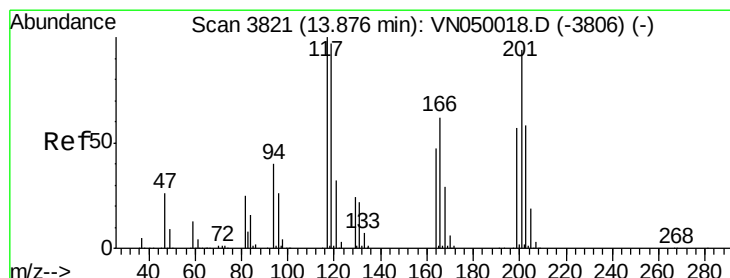
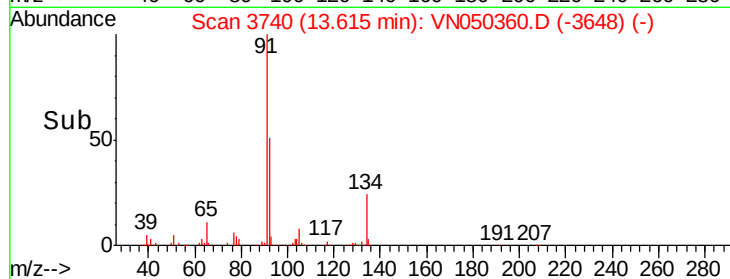
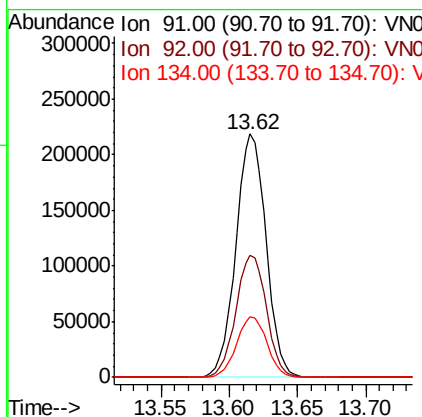
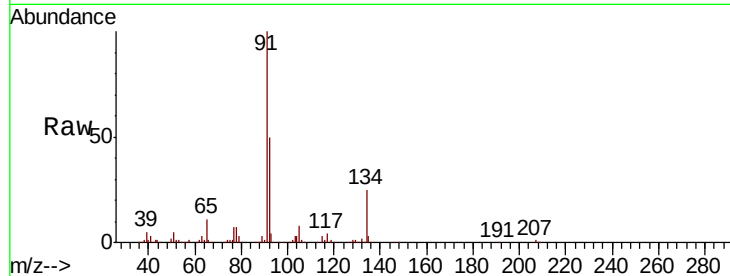
#89
n-Butylbenzene
Concen: 18.25 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.8	77.4
134	25.1	12.8	38.4

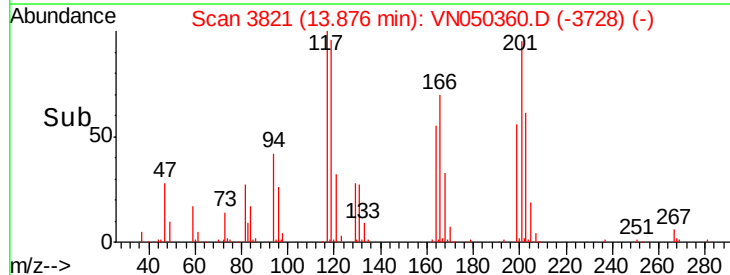
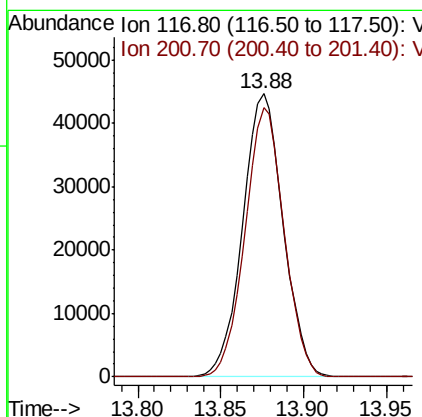
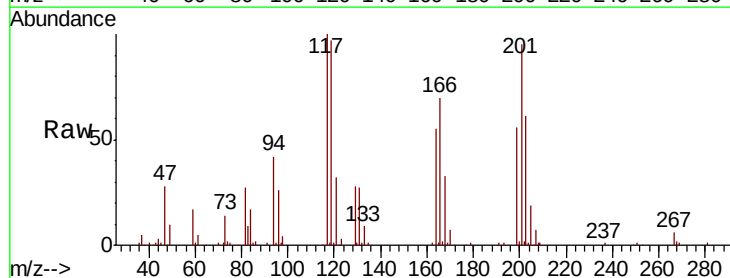
Manual Integrations
APPROVED

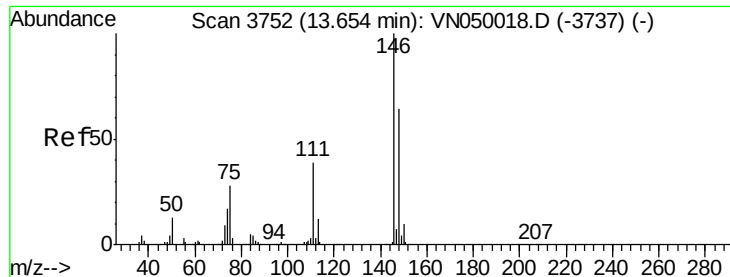
MMDadoda
8/6/2018 11:39:57 AM



#90
Hexachloroethane
Concen: 15.20 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.8	45.6	136.8





#91

1,2-Dichlorobenzene

Concen: 19.22 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

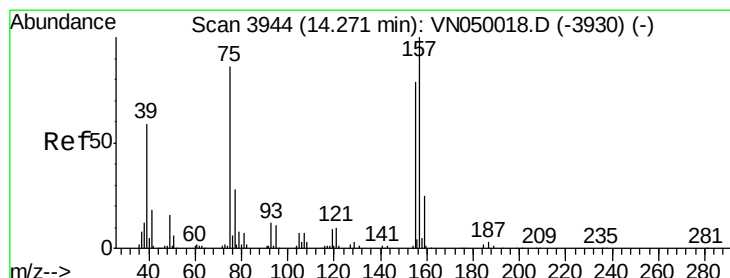
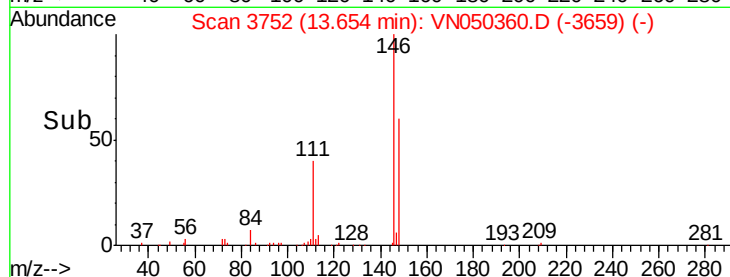
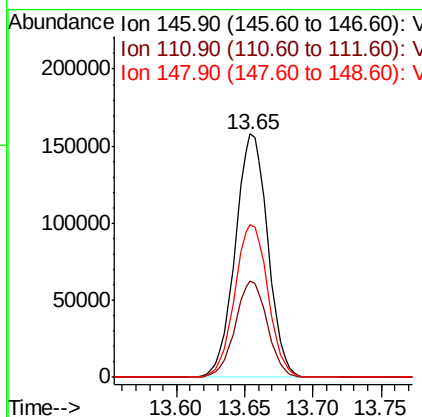
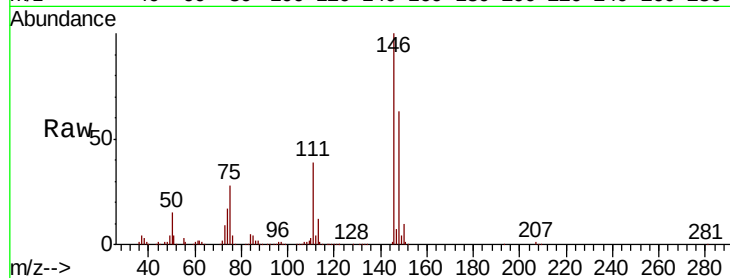
ClientSampled :

VN0804WBSD01

Tot Ion:	146	Resp:	261443
Ion Ratio		Lower	Upper
146	100		
111	38.9	19.6	58.7
148	64.1	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:39:57 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.65 ug/l

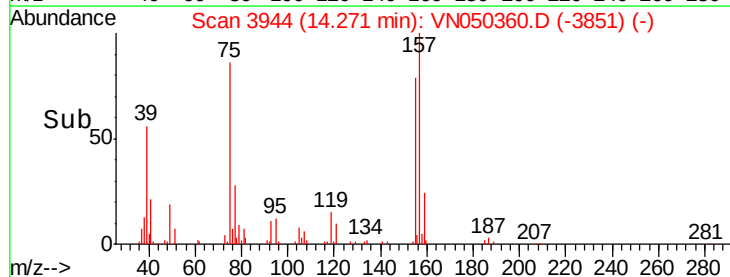
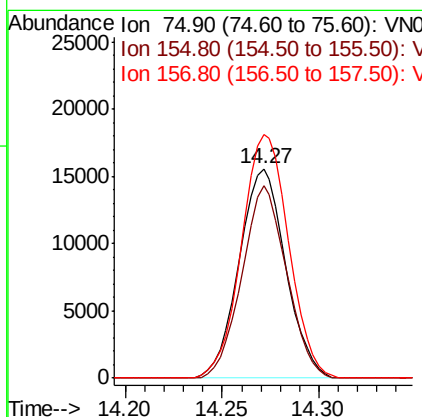
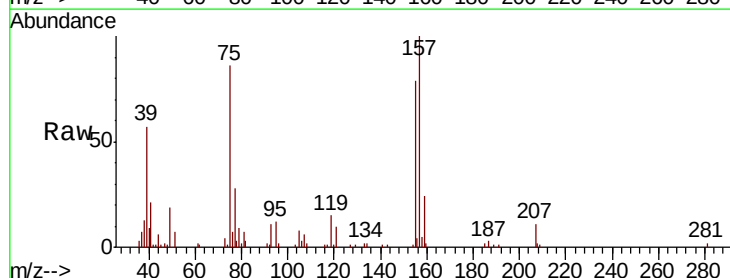
RT: 14.27 min Scan# 3944

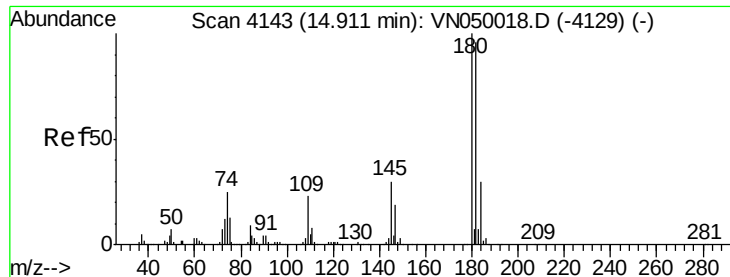
Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Tgt Ion:	75	Resp:	25988
Ion Ratio		Lower	Upper
75	100		
155	87.9	44.8	134.4
157	118.0	57.2	171.6





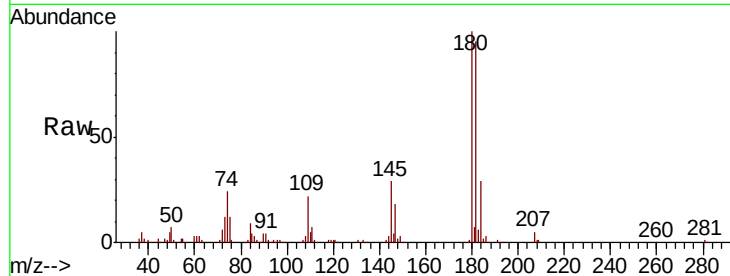
#93
 1,2,4-Trichlorobenzene
 Concen: 19.50 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126179		
182	94.5	46.7	140.1	
145	28.4	13.8	41.4	

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:39:57 AM

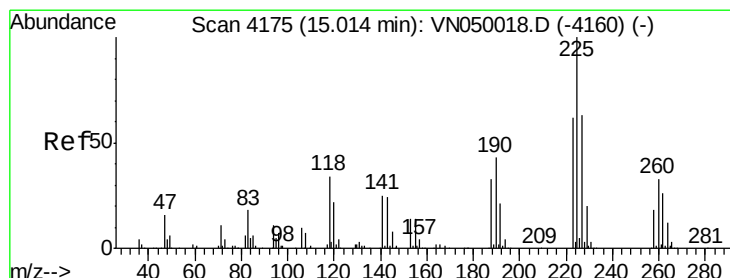
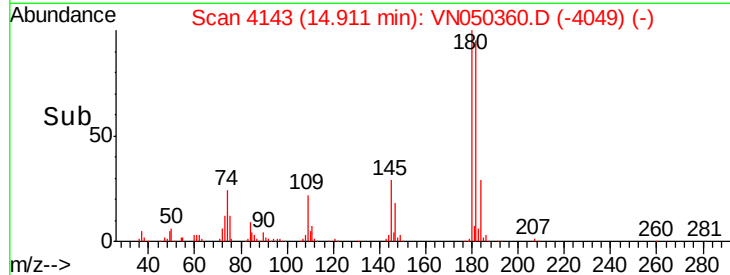
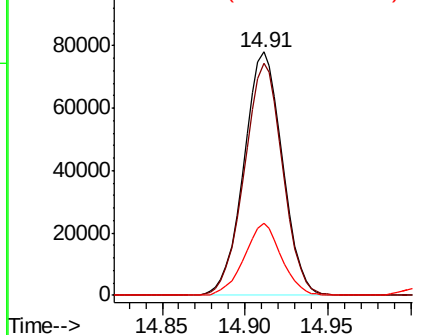


Abundance

Ion 179.80 (179.50 to 180.50): V

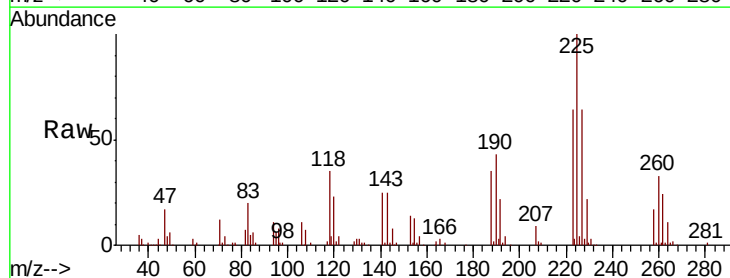
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.21 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75829		
223	62.1	31.4	94.2	
227	63.6	32.1	96.5	

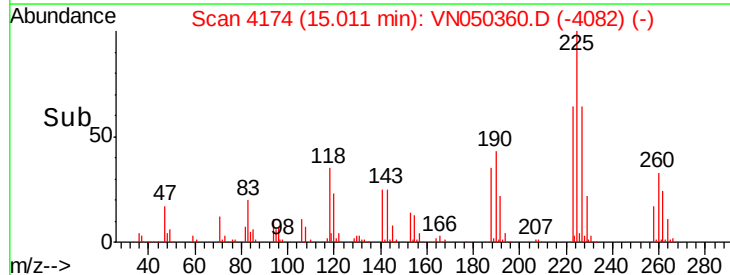
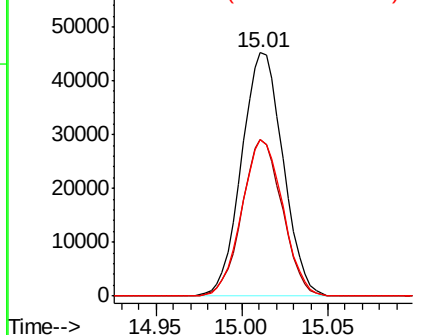


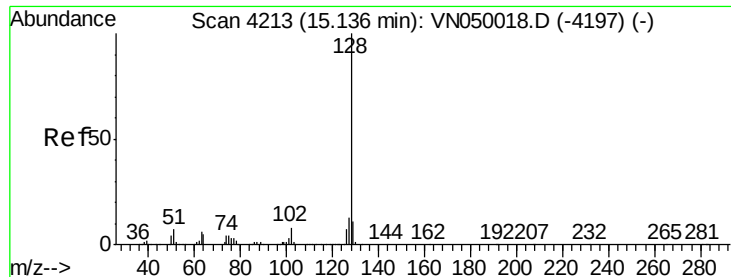
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





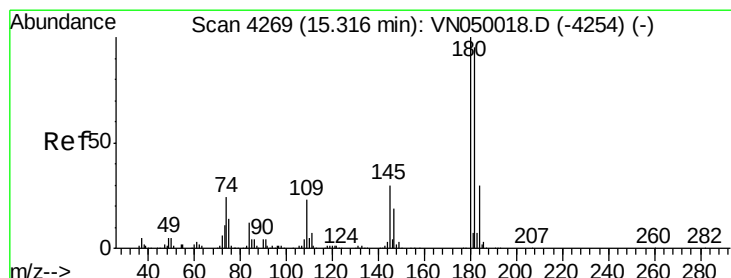
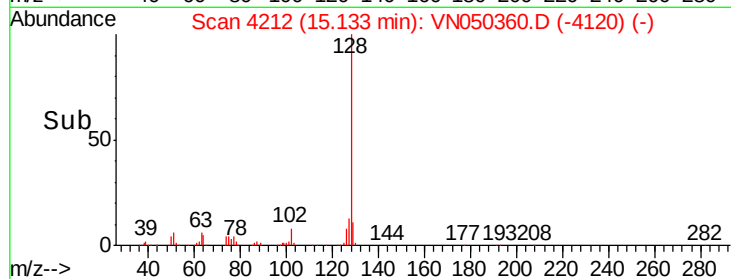
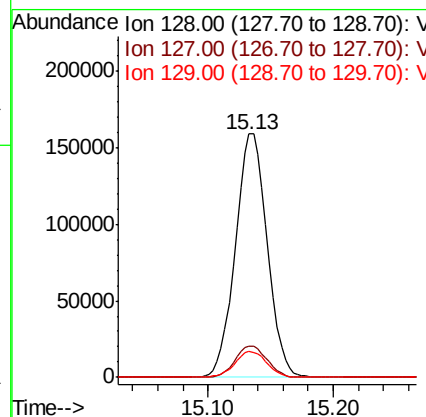
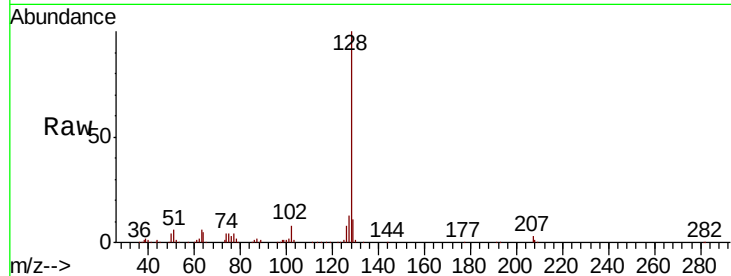
#95
Naphthalene
Concen: 19.38 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	279894		
127	13.0		10.4	15.6
129	10.7		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:39:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.53 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	127323		
182	95.8		48.1	144.4
145	29.4		15.3	45.9

