

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050742.D
 Acq On : 18 Aug 2018 1:16
 Operator : MD\SY
 Sample : VN0817WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS03

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 10:53:27 AM

Quant Time: Aug 18 04:48:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	447139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	726704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	640868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	286342	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	376465	66.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	133.58%	
35) Dibromofluoromethane	7.59	113	338370	58.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.64%	
50) Toluene-d8	10.09	98	1095575	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.40	95	338749	46.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	73904	14.66	ug/l	100
3) Chloromethane	2.06	50	135704	21.81	ug/l	99
4) Vinyl Chloride	2.18	62	119187	17.80	ug/l	99
5) Bromomethane	2.56	94	79820	20.96	ug/l	99
6) Chloroethane	2.70	64	82769	21.33	ug/l	100
7) Trichlorofluoromethane	3.01	101	141104	16.06	ug/l	99
8) Diethyl Ether	3.41	74	71724	24.54	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	86464	16.27	ug/l	98
10) Methyl Iodide	3.95	142	69659	22.83	ug/l	99
11) Tert butyl alcohol	4.80	59	44569	144.82	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	87416	18.02	ug/l	96
13) Acrolein	3.61	56	11476	91.51	ug/l	96
14) Allyl chloride	4.32	41	153540	20.35	ug/l	99
15) Acrylonitrile	5.00	53	219280	129.73	ug/l	99
16) Acetone	3.82	43	195208	138.06	ug/l	98
17) Carbon Disulfide	4.05	76	258753	16.95	ug/l	99
18) Methyl Acetate	4.33	43	120246	29.98	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	314571	25.48	ug/l	99
20) Methylene Chloride	4.55	84	139494	25.41	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	105961	20.15	ug/l	98
22) Diisopropyl ether	5.96	45	389540	25.18	ug/l	96
23) Vinyl Acetate	5.90	43	1266938	125.17	ug/l	100
24) 1,1-Dichloroethane	5.85	63	220541	22.03	ug/l	99
25) 2-Butanone	6.84	43	308605	133.54	ug/l	98
26) 2,2-Dichloropropane	6.83	77	108060	16.12	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	129808	22.16	ug/l	100
28) Bromochloromethane	7.20	49	109419	24.01	ug/l	100
29) Tetrahydrofuran	7.22	42	162044	134.30	ug/l	99
30) Chloroform	7.37	83	229707	22.64	ug/l	98
31) Cyclohexane	7.66	56	130052	14.98	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	161645	18.93	ug/l	99
36) 1,1-Dichloropropene	7.80	75	130051	16.08	ug/l	100
37) Ethyl Acetate	6.93	43	115519	25.26	ug/l	99
38) Carbon Tetrachloride	7.78	117	134739	16.06	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050742.D
 Acq On : 18 Aug 2018 1:16
 Operator : MD\SY
 Sample : VN0817WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS03

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 10:53:27 AM

Quant Time: Aug 18 04:48:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	112192	13.40	ug/l	97
40) Benzene	8.04	78	493823	20.07	ug/l	100
41) Methacrylonitrile	7.19	41	67030	27.11	ug/l	93
42) 1,2-Dichloroethane	8.13	62	169001	22.41	ug/l	100
43) Isopropyl Acetate	8.17	43	195274	23.43	ug/l	99
44) Trichloroethene	8.84	130	116823	17.72	ug/l	99
45) 1,2-Dichloropropane	9.12	63	138389	21.12	ug/l	97
46) Dibromomethane	9.21	93	85609	22.13	ug/l	98
47) Bromodichloromethane	9.40	83	175908	21.27	ug/l	99
48) Methyl methacrylate	9.20	41	91889	21.91	ug/l	99
49) 1,4-Dioxane	9.20	88	26017	470.98	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	705187	125.12	ug/l	99
52) Toluene	10.16	92	281385	19.15	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	154321	20.04	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	186006	21.05	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	123636	22.52	ug/l	97
56) Ethyl methacrylate	10.43	69	142252	21.44	ug/l	99
57) 1,3-Dichloropropane	10.71	76	200647	22.30	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	347635	109.74	ug/l	100
59) 2-Hexanone	10.75	43	438459	120.54	ug/l	99
60) Dibromochloromethane	10.90	129	133350	22.01	ug/l	99
61) 1,2-Dibromoethane	11.01	107	115634	22.12	ug/l	98
64) Tetrachloroethene	10.63	164	102711	17.26	ug/l	99
65) Chlorobenzene	11.44	112	302592	18.97	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	122693	20.52	ug/l	99
67) Ethyl Benzene	11.51	91	445277	17.29	ug/l	100
68) m/p-Xylenes	11.62	106	354848	36.03	ug/l	99
69) o-Xylene	11.95	106	171727	18.28	ug/l	97
70) Styrene	11.97	104	288949	17.91	ug/l	99
71) Bromoform	12.13	173	88300	22.27	ug/l #	100
73) Isopropylbenzene	12.25	105	415948	18.59	ug/l	100
74) N-amyl acetate	12.07	43	137037	23.54	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	152297	28.31	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	121132m	25.68	ug/l	
77) Bromobenzene	12.53	156	128852	21.21	ug/l	97
78) n-propylbenzene	12.59	91	454521	18.22	ug/l	98
79) 2-Chlorotoluene	12.68	91	308096	19.81	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	346899	19.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27830	21.61	ug/l	99
82) 4-Chlorotoluene	12.78	91	301862	19.64	ug/l	100
83) tert-Butylbenzene	12.99	119	276703	17.80	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	352457	19.60	ug/l	100
85) sec-Butylbenzene	13.17	105	363073	17.87	ug/l	99
86) p-Isopropyltoluene	13.29	119	306568	17.81	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	198563	19.20	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	187791	18.30	ug/l	98
89) n-Butylbenzene	13.62	91	216059	15.54	ug/l	97
90) Hexachloroethane	13.88	117	59279	17.12	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	202226	20.05	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20419	25.58	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
Data File : VN050742.D
Acq On : 18 Aug 2018 1:16
Operator : MD\SY
Sample : VN0817WBS03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS03

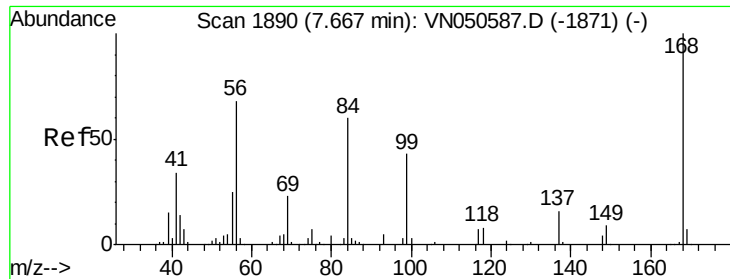
Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:27 AM

Quant Time: Aug 18 04:48:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	70902	15.64	ug/l	100
94) Hexachlorobutadiene	15.01	225	50817	16.43	ug/l	98
95) Naphthalene	15.13	128	153331	16.71	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	76817	17.21	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS03

Tot Ion:168 Resp: 447139

Ion Ratio Lower Upper

168 100

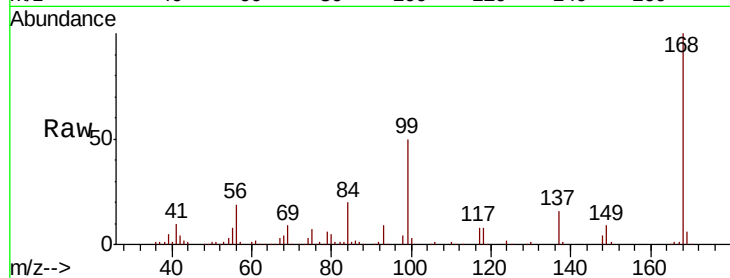
99 50.0 40.8 61.2

Manual Integrations

APPROVED

MMDadoda

8/20/2018 10:53:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

150000

100000

50000

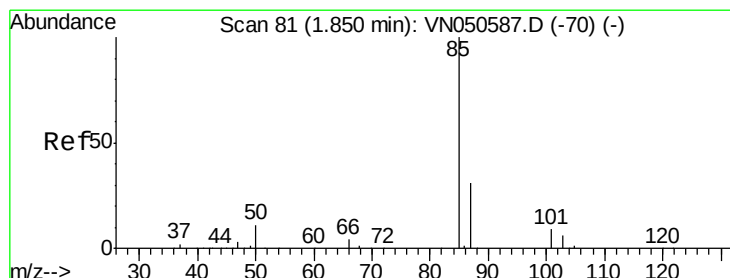
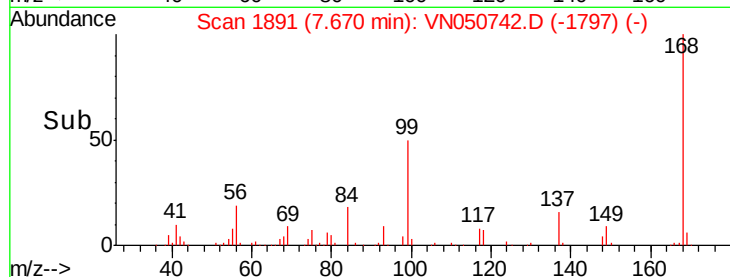
0

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 14.66 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050742.D

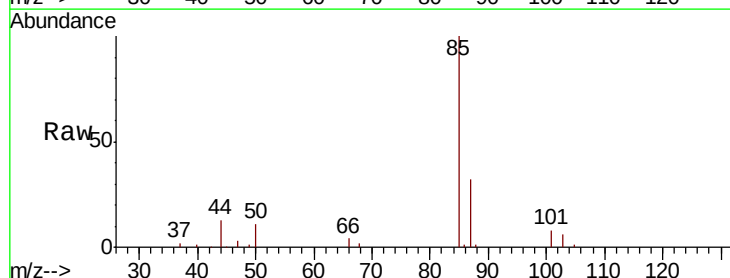
Acq: 18 Aug 2018 1:16

Tgt Ion: 85 Resp: 73904

Ion Ratio Lower Upper

85 100

87 31.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

30000

20000

10000

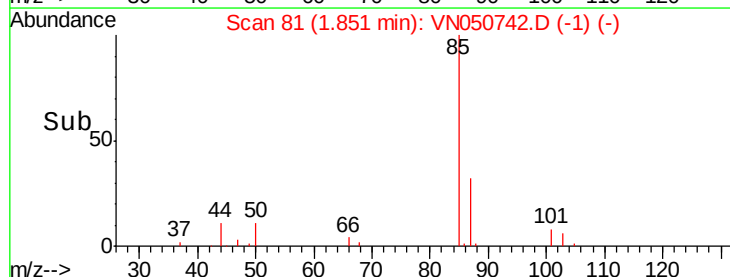
0

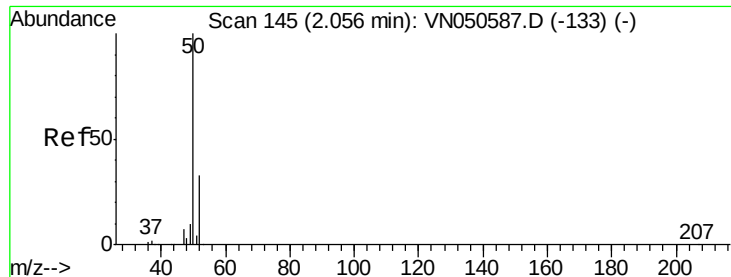
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 21.81 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS03

Tot Ion: 50 Resp: 135704

Ion Ratio Lower Upper

50 100

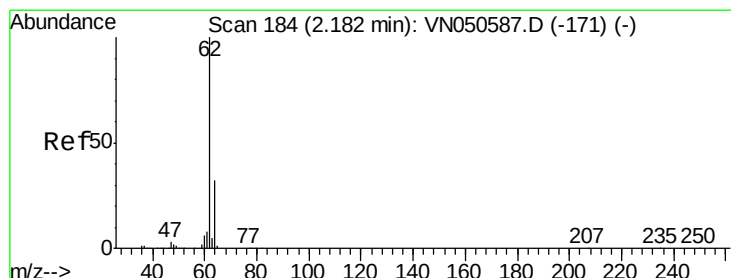
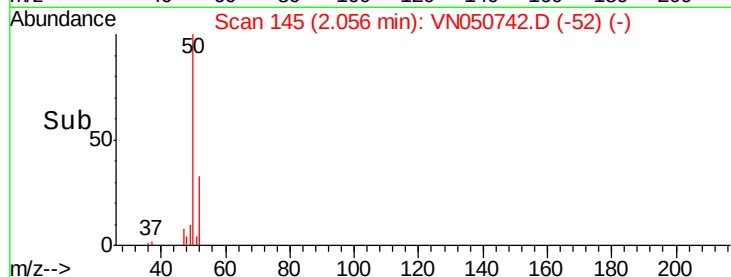
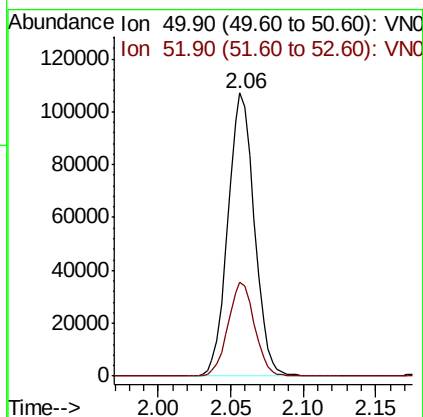
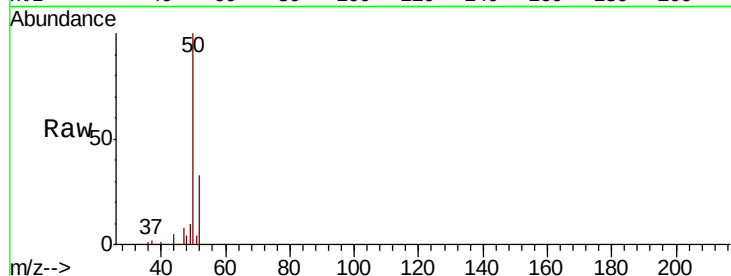
52 33.2 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

8/20/2018 10:53:27 AM



#4

Vinyl Chloride

Concen: 17.80 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050742.D

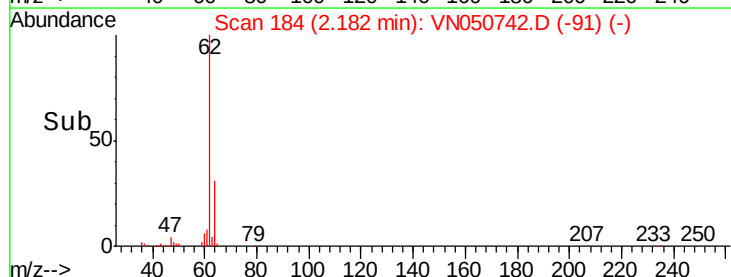
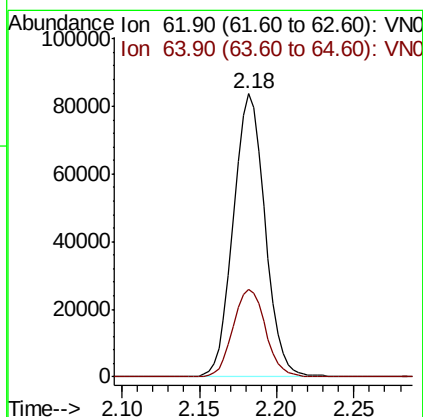
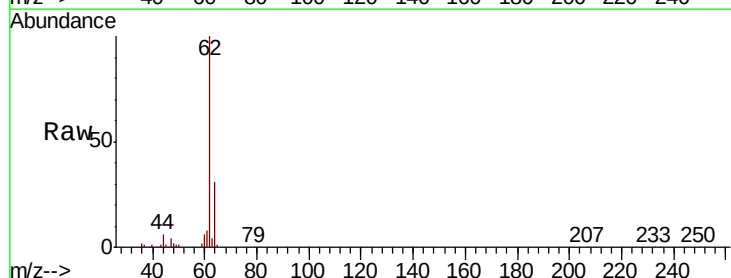
Acq: 18 Aug 2018 1:16

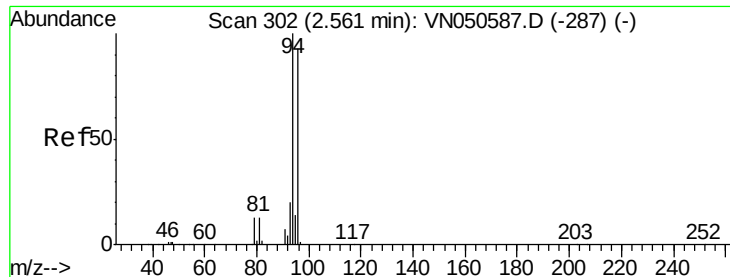
Tgt Ion: 62 Resp: 119187

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 20.96 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS03

Tot Ion: 94 Resp: 79820

Ion Ratio Lower Upper

94 100

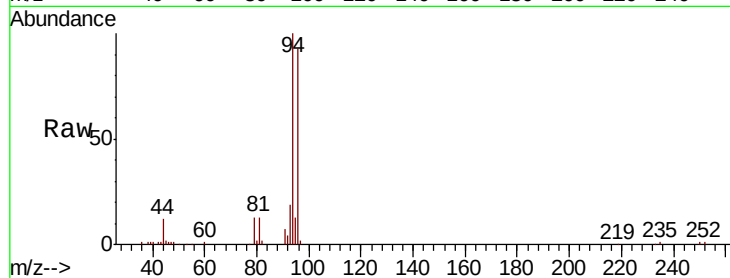
96 93.0 74.0 111.0

Manual Integrations

APPROVED

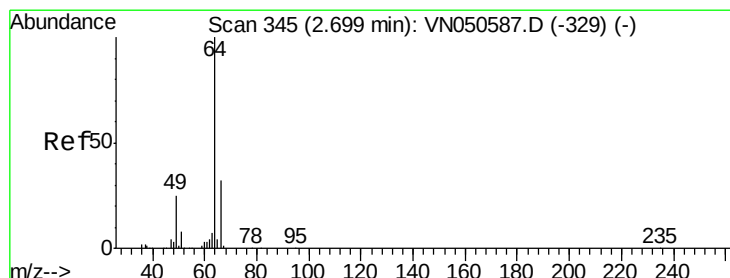
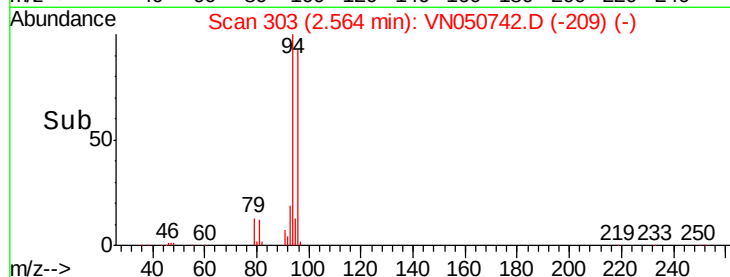
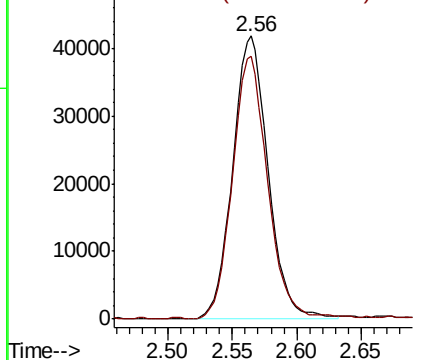
MMDadoda

8/20/2018 10:53:27 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.33 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050742.D

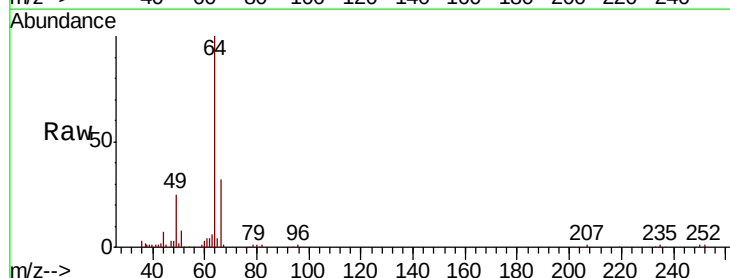
Acq: 18 Aug 2018 1:16

Tgt Ion: 64 Resp: 82769

Ion Ratio Lower Upper

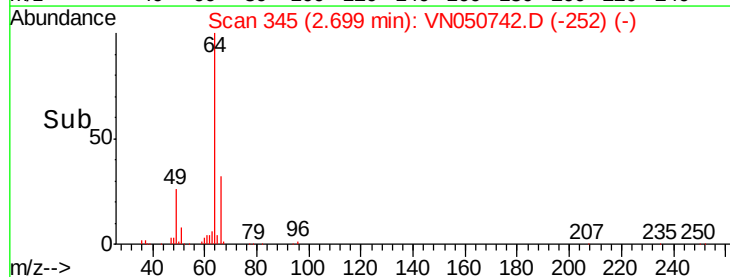
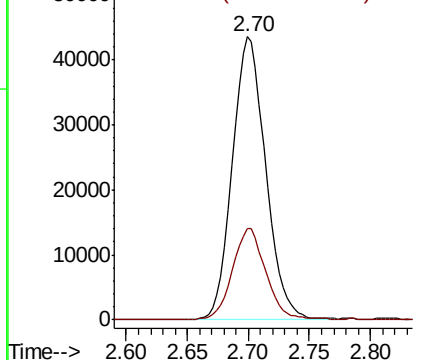
64 100

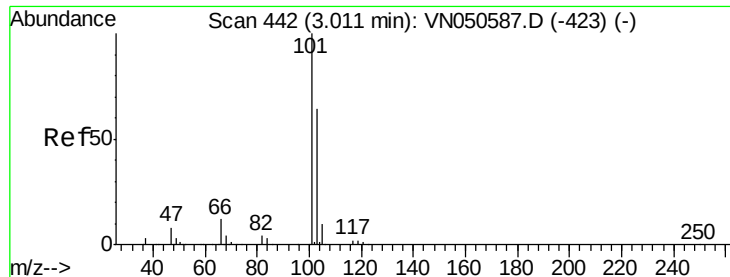
66 32.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

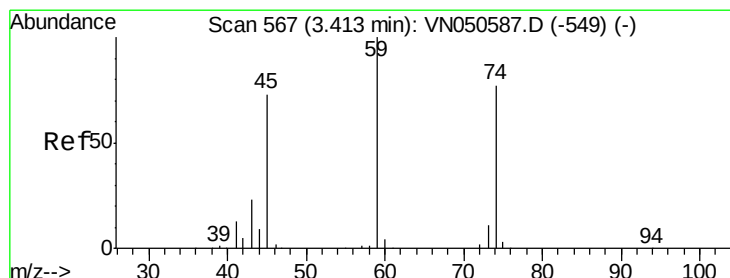
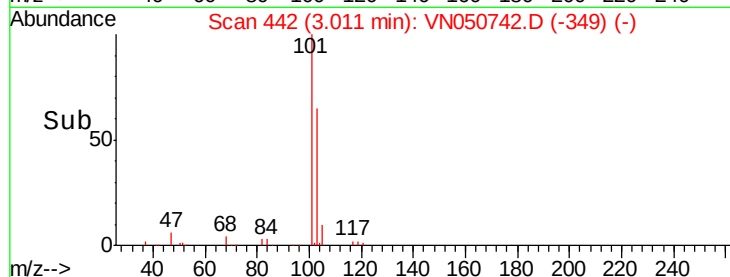
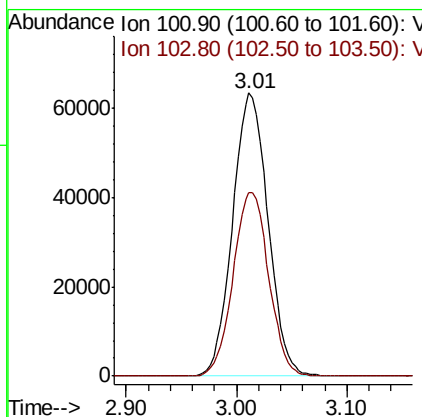
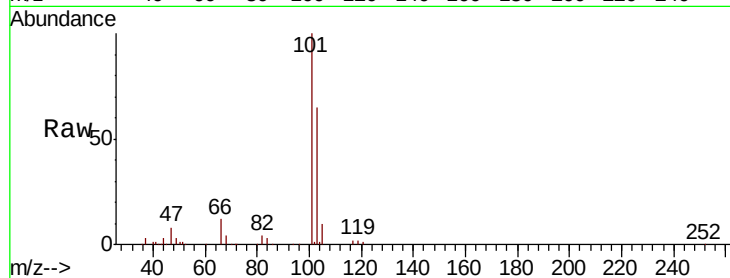
Trichlorofluoromethane
 Concen: 16.06 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.4	77.0

Manual Integrations
 APPROVED

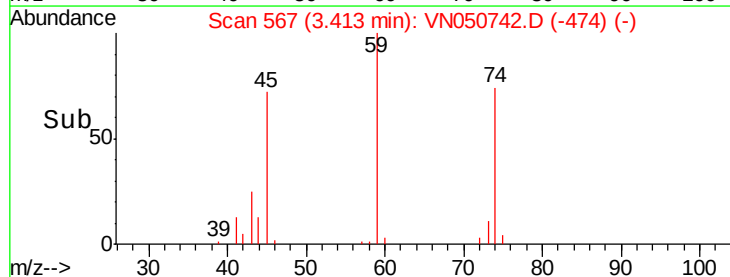
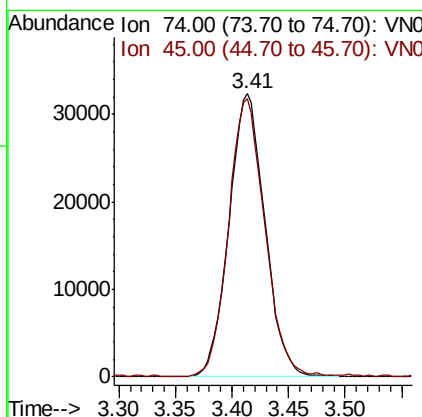
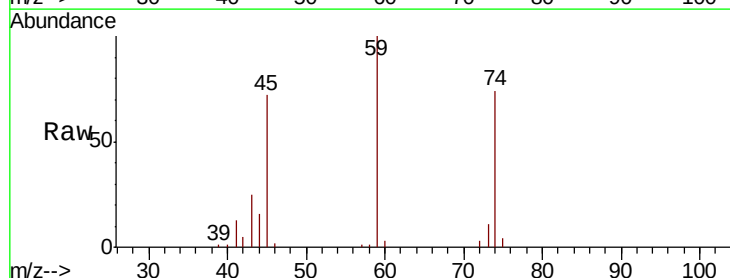
MMDadoda
 8/20/2018 10:53:27 AM

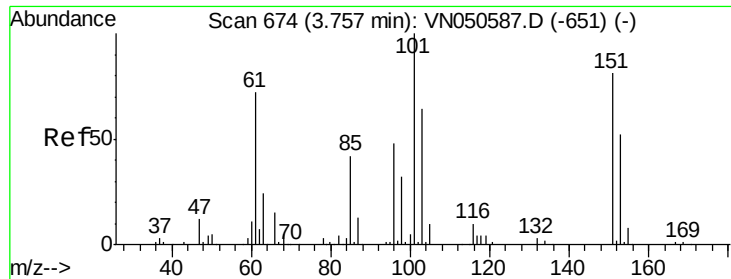


#8

Diethyl Ether
 Concen: 24.54 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.27 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

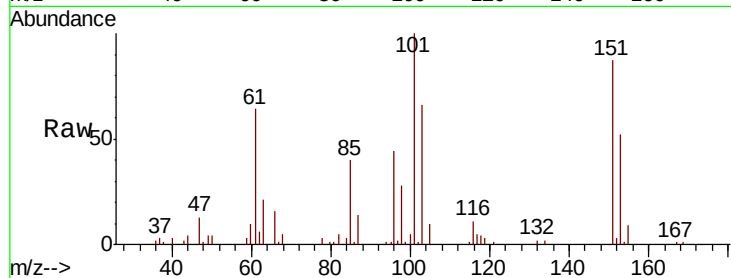
ClientSampleId :

VN0817WBS03

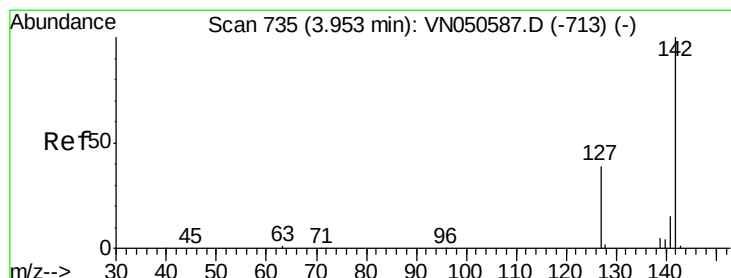
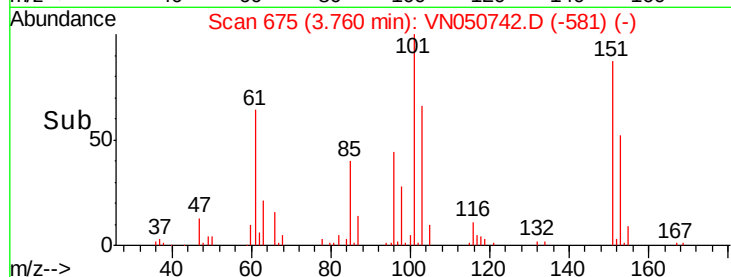
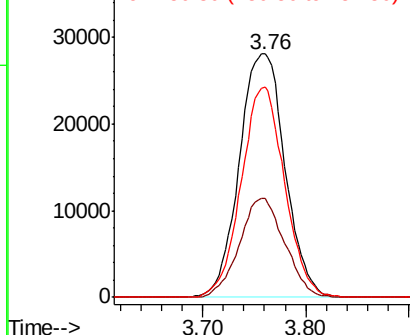
Tot Ion:	101	Resp:	86464
Ion Ratio	Lower	Upper	
101	100		
85	40.1	33.4	50.0
151	81.9	66.6	100.0

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:27 AM



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



#10

Methyl Iodide

Concen: 22.83 ug/l

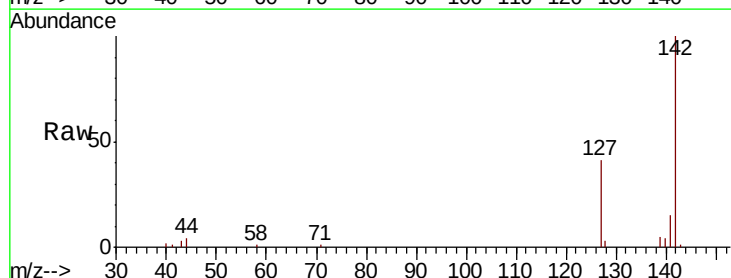
RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

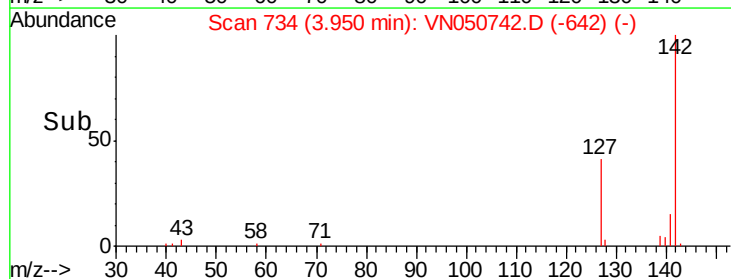
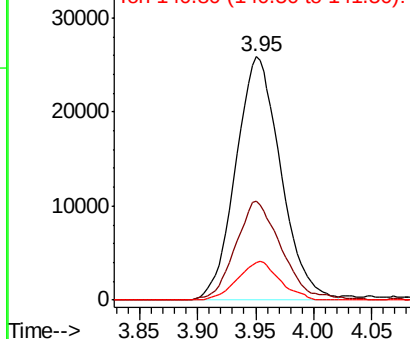
Lab File: VN050742.D

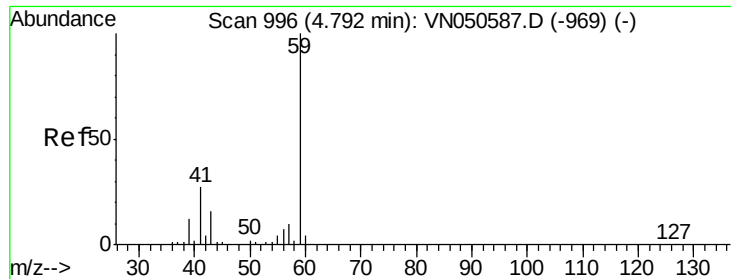
Acq: 18 Aug 2018 1:16

Tgt Ion:	142	Resp:	69659
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.6	49.0
141	15.0	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





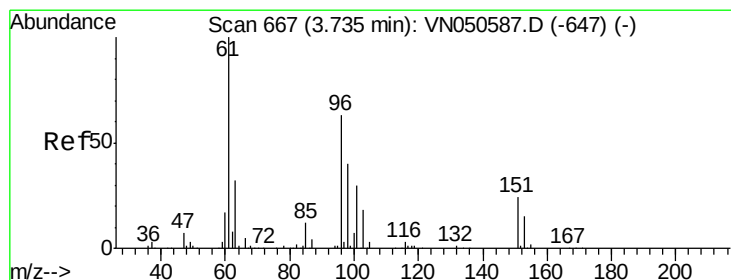
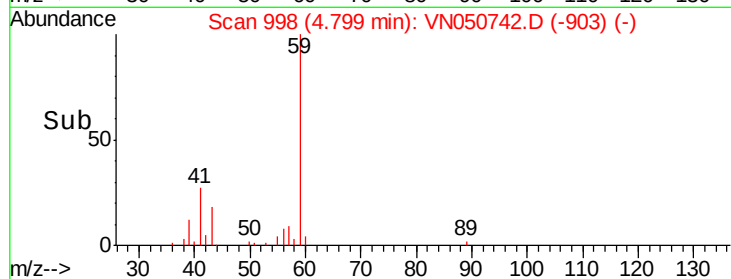
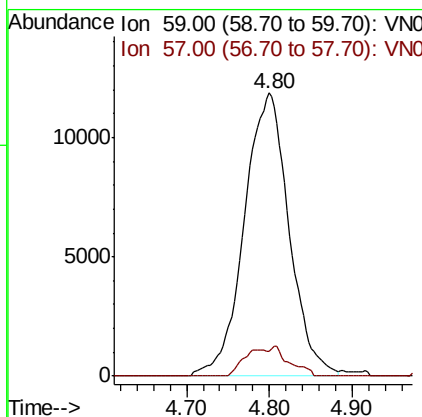
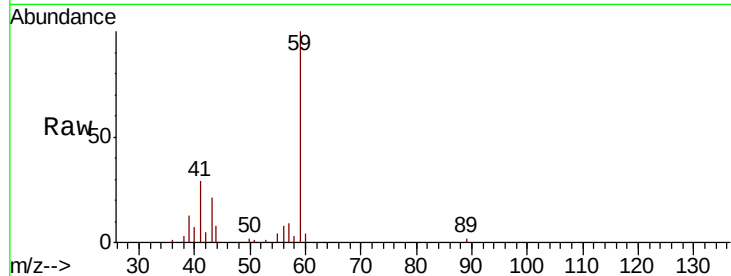
#11
Tert butyl alcohol
Concen: 144.82 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.01 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampled :
VN0817WBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

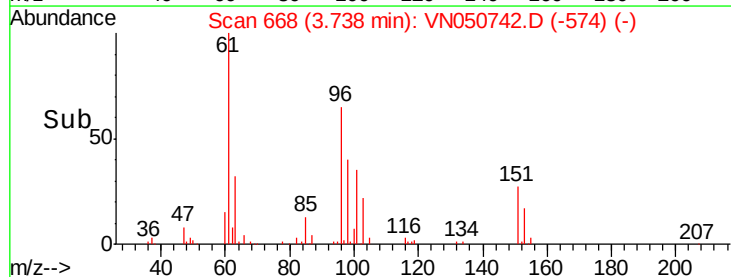
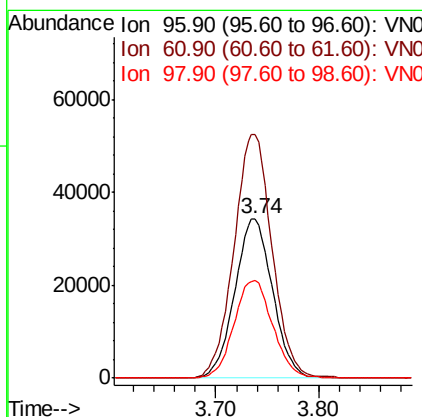
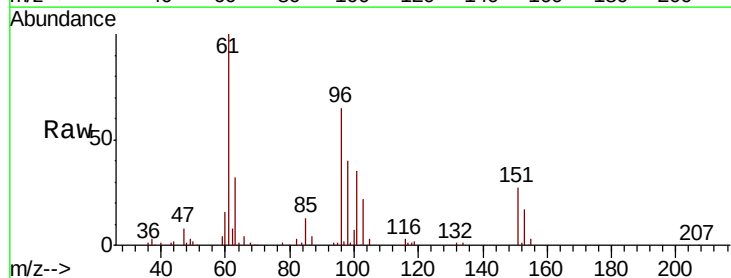
Manual Integrations
APPROVED

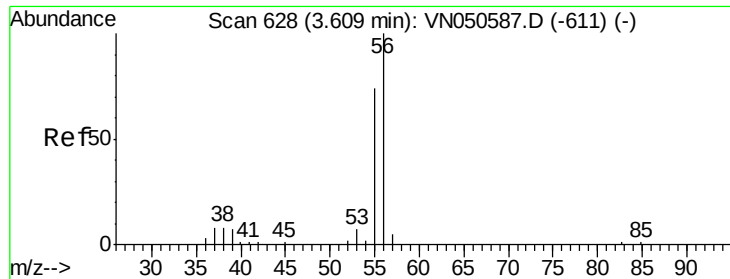
MMDadoda
8/20/2018 10:53:27 AM



#12
1,1-Dichloroethene
Concen: 18.02 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.9	126.9	190.3
98	61.5	51.1	76.7





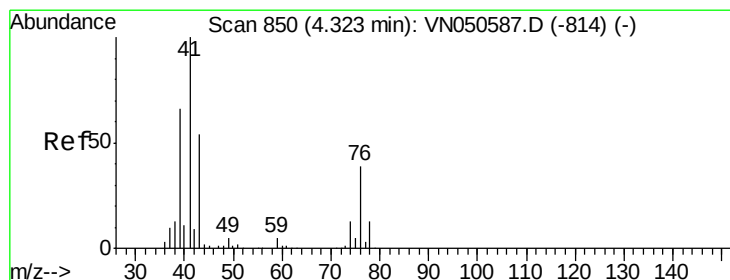
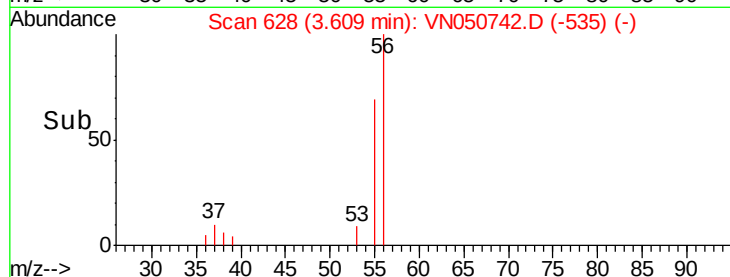
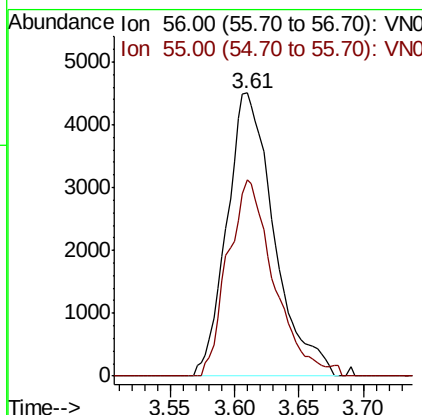
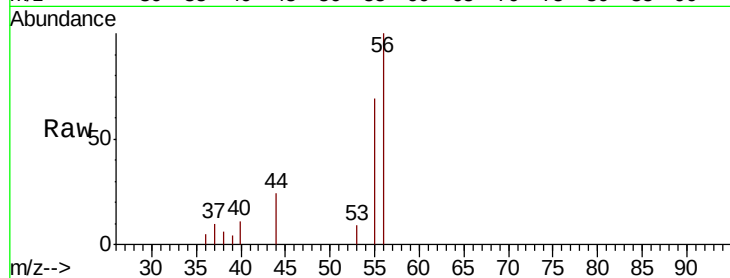
#13
 Acrolein
 Concen: 91.51 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0817WBS03

Tot Ion	56	55	Ratio	Lower	Upper
11476	100	67.2		56.3	84.5

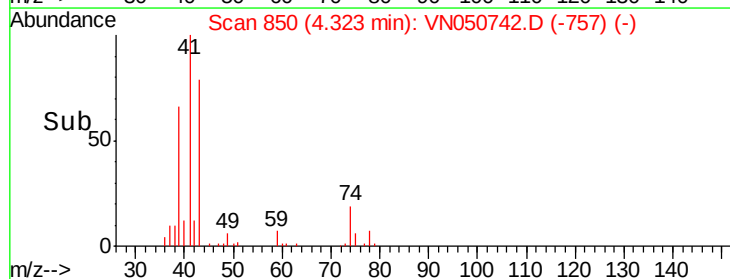
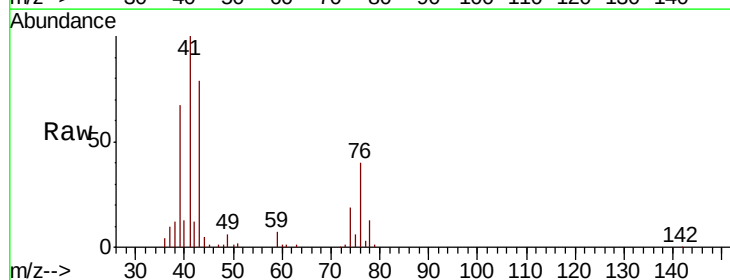
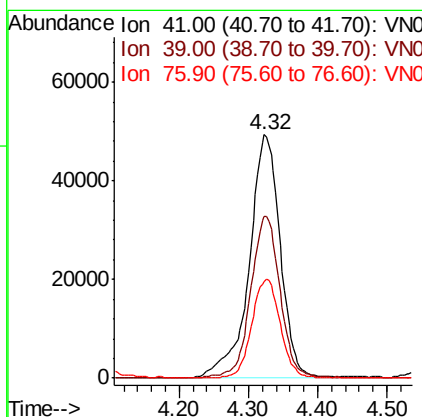
Manual Integrations
 APPROVED

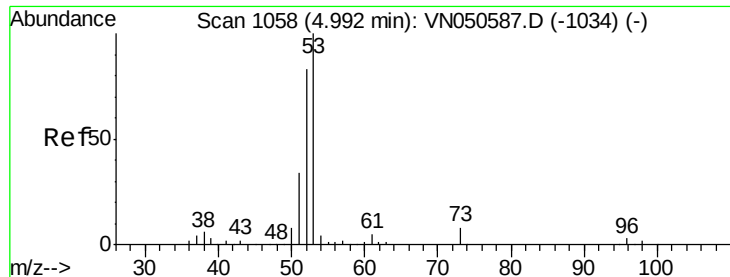
MMDadoda
 8/20/2018 10:53:27 AM



#14
 Allyl chloride
 Concen: 20.35 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Tgt Ion	41	39	76	Ratio	Lower	Upper
153540	100	62.8	37.1		51.4	77.0





#15

Acrylonitrile

Concen: 129.73 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

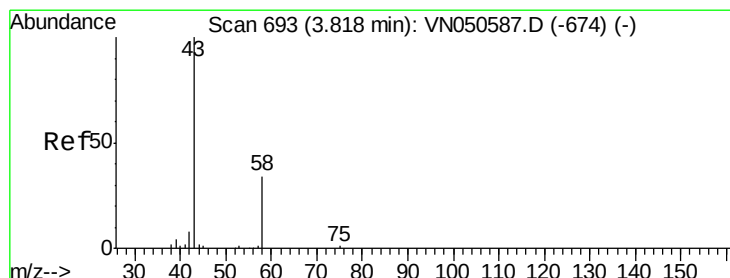
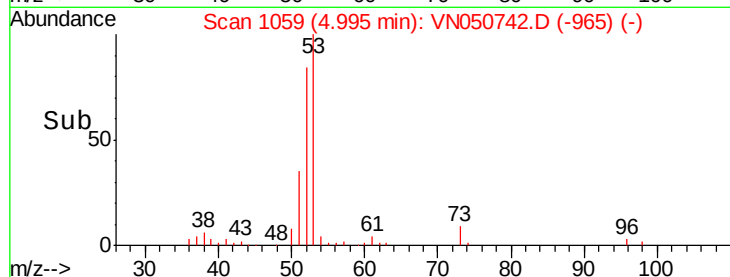
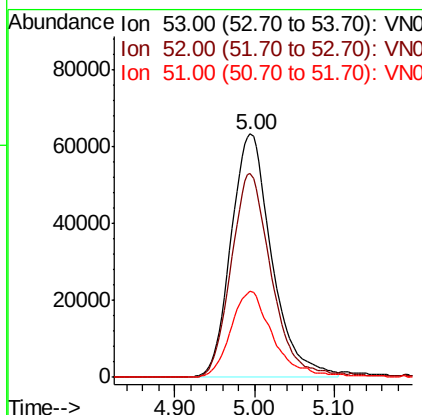
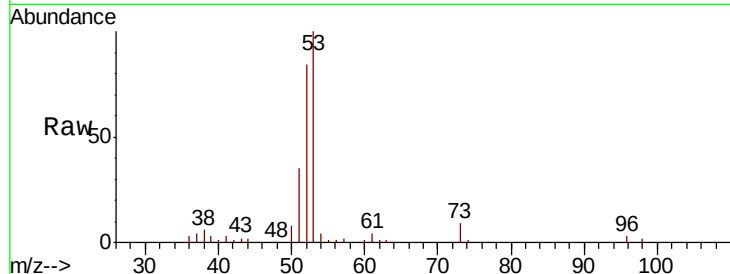
ClientSampleId :

VN0817WBS03

Tot Ion:	53	Resp:	219280
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.2	99.2
51	36.2	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:27 AM



#16

Acetone

Concen: 138.06 ug/l

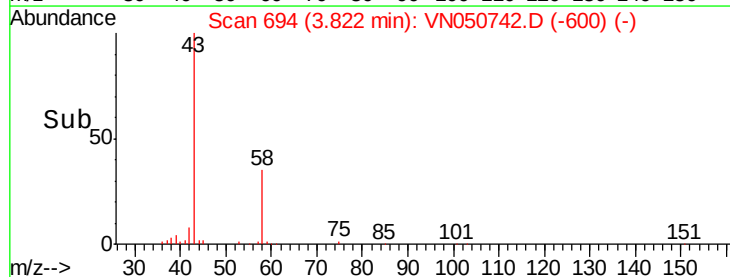
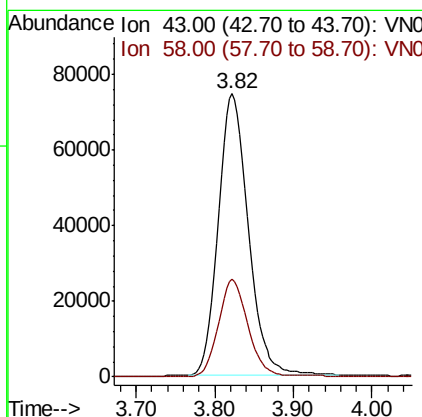
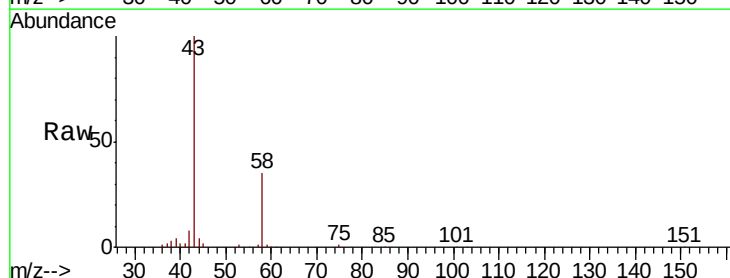
RT: 3.82 min Scan# 694

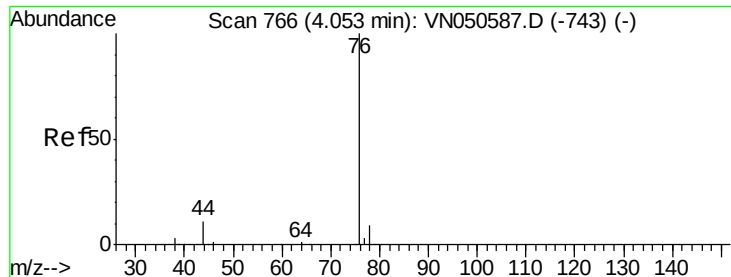
Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Tgt Ion:	43	Resp:	195208
Ion Ratio	Lower	Upper	
43	100		
58	34.8	27.1	40.7





#17

Carbon Disulfide

Concen: 16.95 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS03

Tot Ion: 76 Resp: 258753

Ion Ratio Lower Upper

76 100

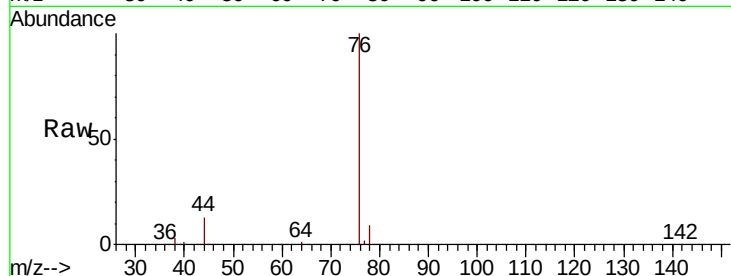
78 9.4 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

8/20/2018 10:53:27 AM



Abundance Ion 75.90 (75.60 to 76.60): VN050587.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050587.D (-743) (-)

4.05

100000

80000

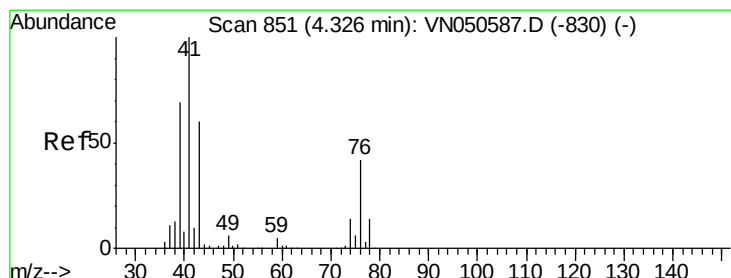
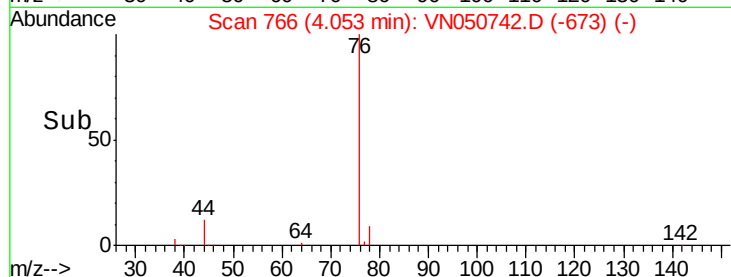
60000

40000

20000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 29.98 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050742.D

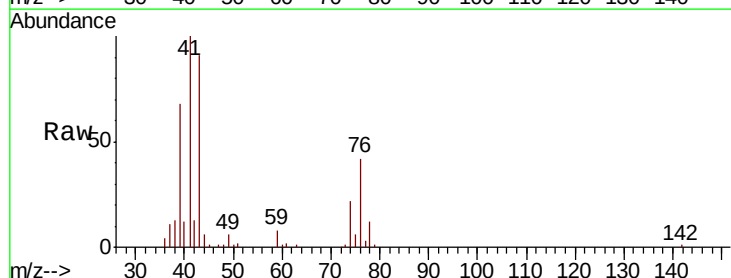
Acq: 18 Aug 2018 1:16

Tgt Ion: 43 Resp: 120246

Ion Ratio Lower Upper

43 100

74 24.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN050587.D (-830) (-)

4.33

50000

40000

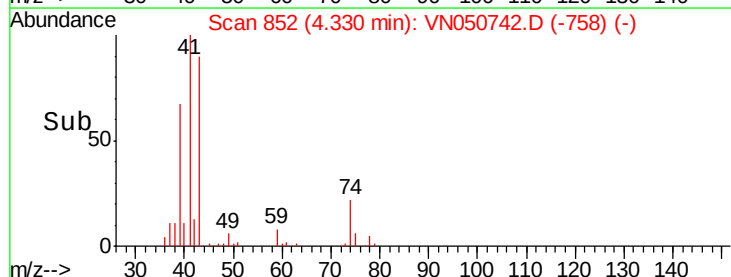
30000

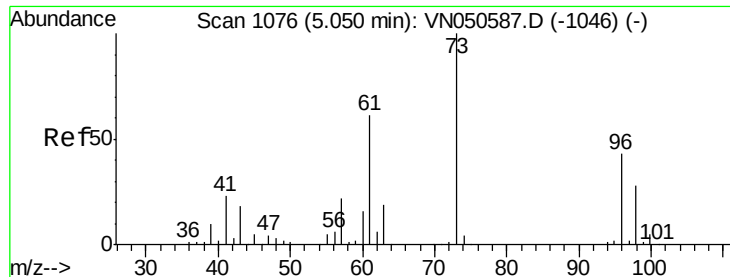
20000

10000

0

Time--> 4.20 4.30 4.40





#19

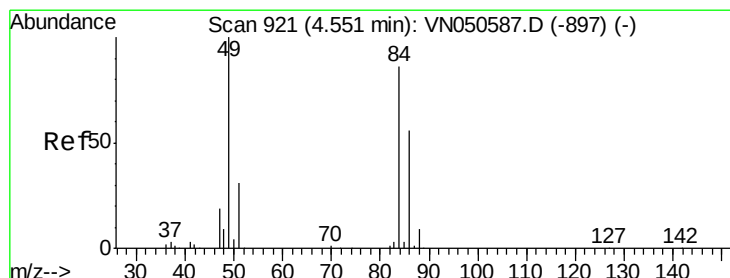
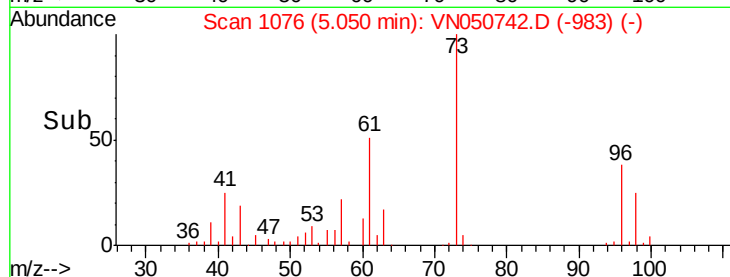
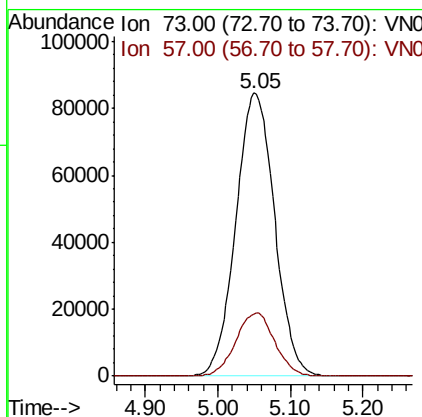
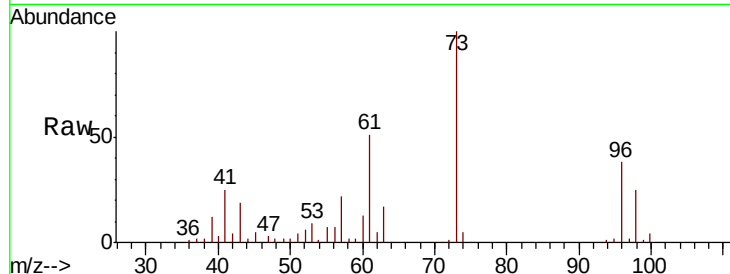
Methvl tert-butvl Ether
 Concen: 25.48 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS03

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.9	26.9

Manual Integrations
 APPROVED

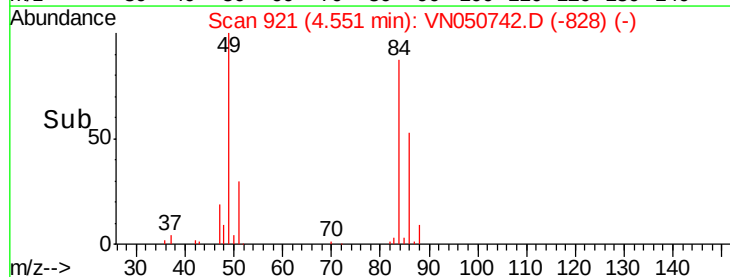
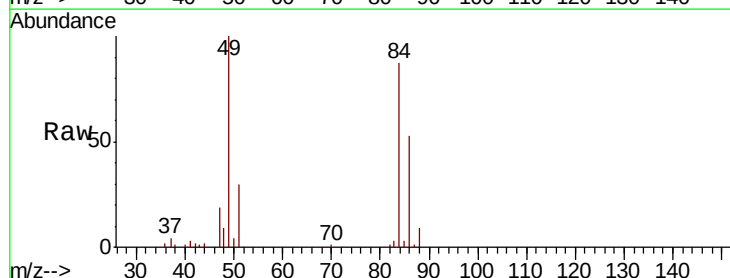
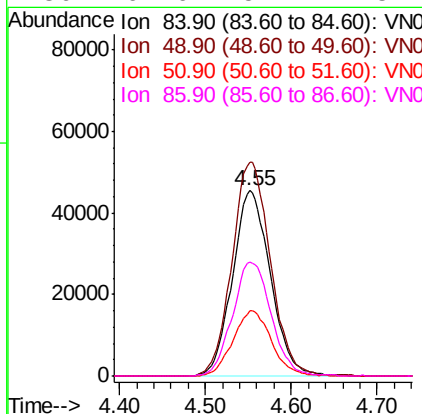
MMDadoda
 8/20/2018 10:53:27 AM

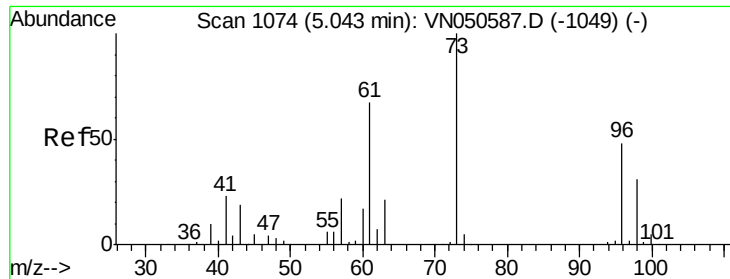


#20

Methylene Chloride
 Concen: 25.41 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.1	92.6	138.8
51	34.9	28.6	43.0
86	61.6	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 20.15 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

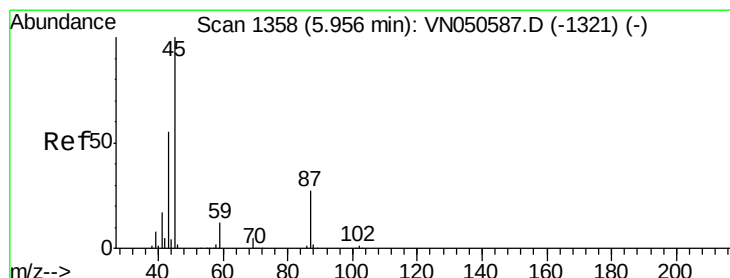
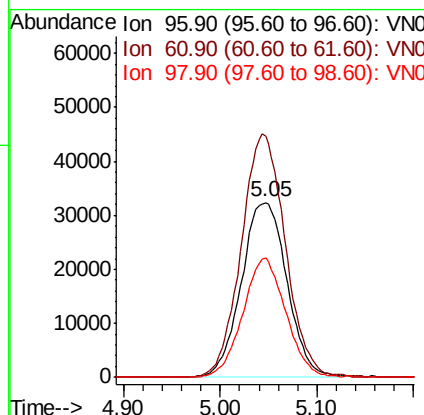
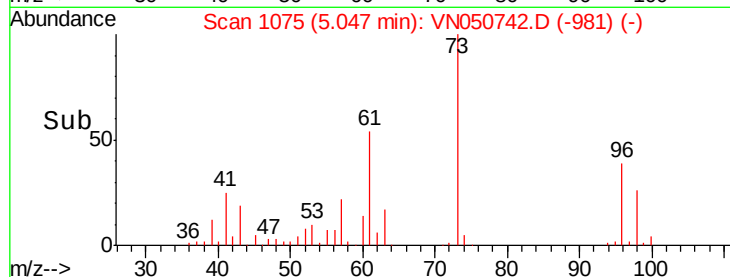
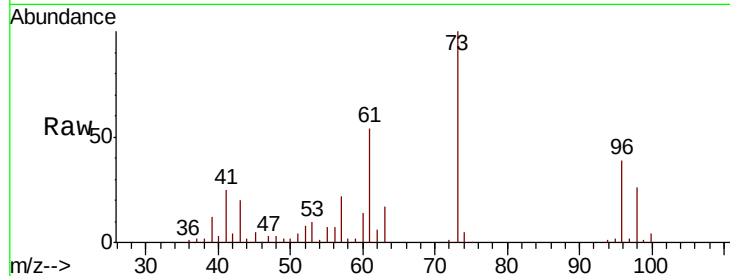
ClientSampleId :

VN0817WBS03

Tot Ion:	96	Resp:	105961
Ion	Ratio	Lower	Upper
96	100		
61	137.7	111.2	166.8
98	68.0	51.6	77.4

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:27 AM



#22

Diisopropyl ether

Concen: 25.18 ug/l

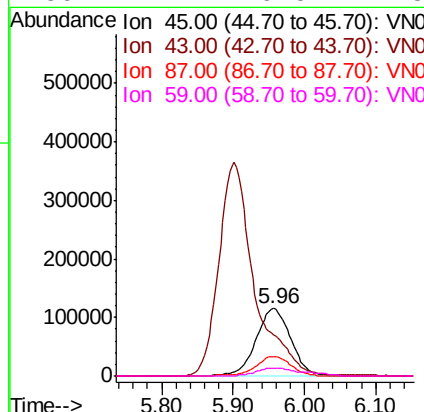
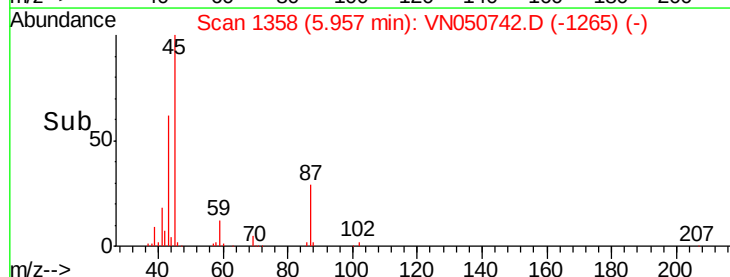
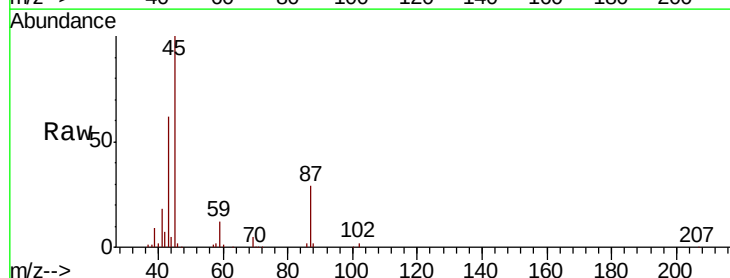
RT: 5.96 min Scan# 1358

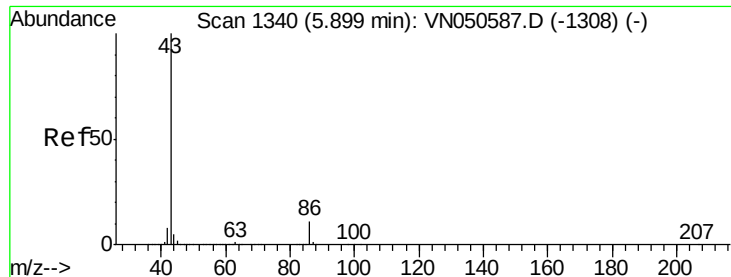
Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Tgt Ion:	45	Resp:	389540
Ion	Ratio	Lower	Upper
45	100		
43	60.0	44.5	66.7
87	29.3	22.2	33.2
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 125.17 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS03

Tot Ion: 43 Resp: 1266938

Ion Ratio Lower Upper

43 100

86 10.6

8.4

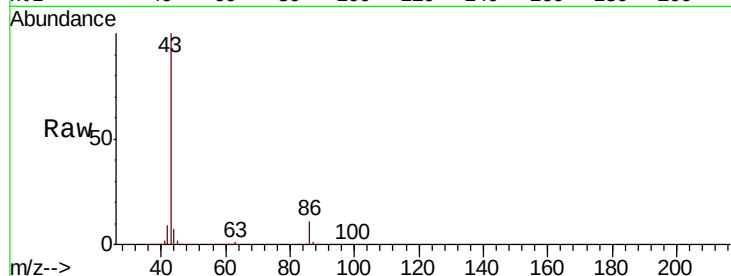
12.6

Manual Integrations

APPROVED

MMDadoda

8/20/2018 10:53:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

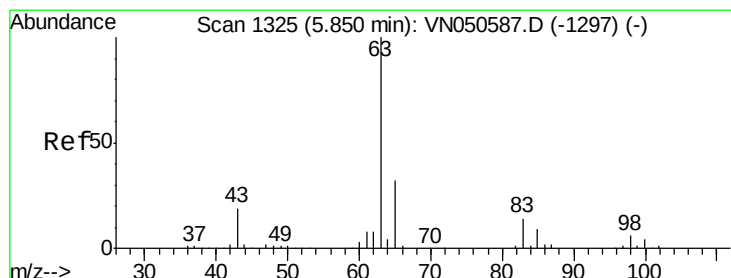
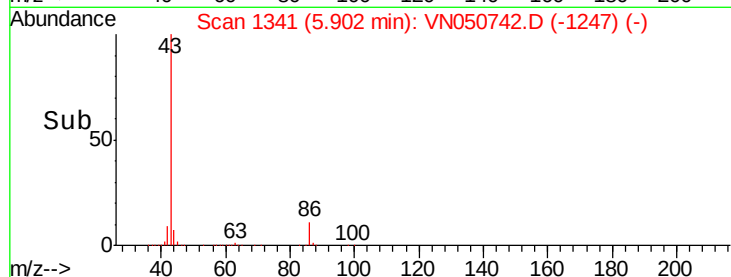
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.03 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Tgt Ion: 63 Resp: 220541

Ion Ratio Lower Upper

63 100

98 6.5

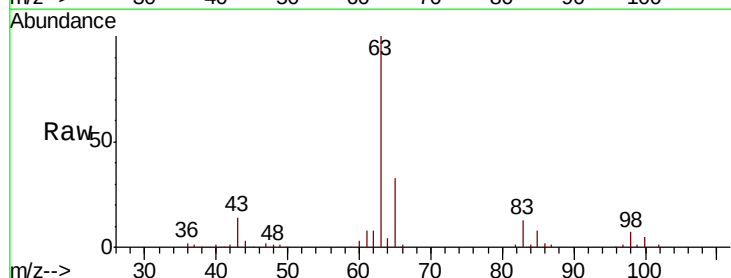
3.2

9.6

100 4.5

2.1

6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

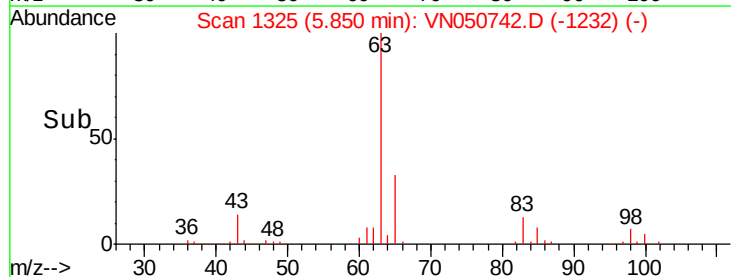
60000

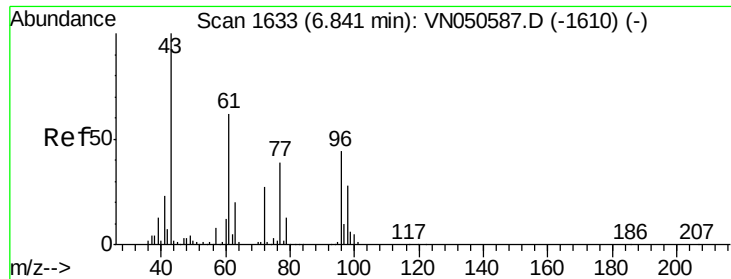
40000

20000

0

Time-->





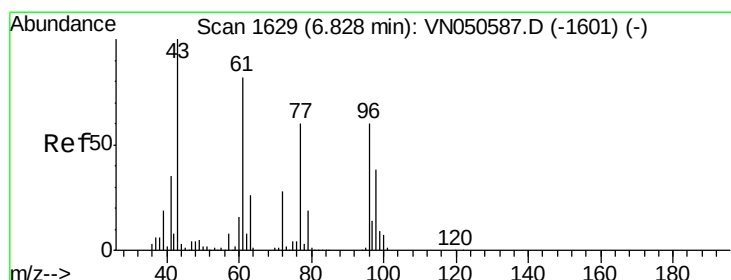
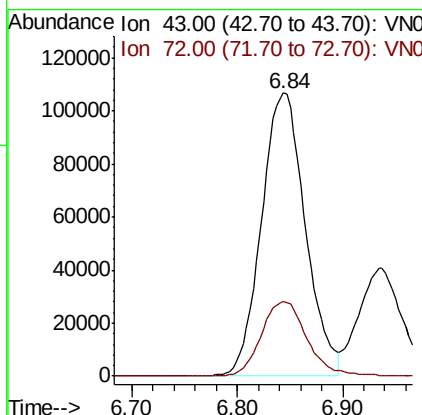
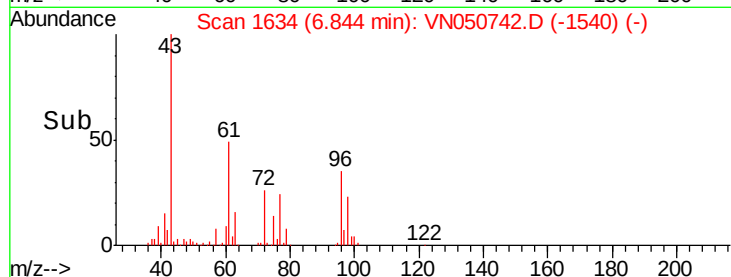
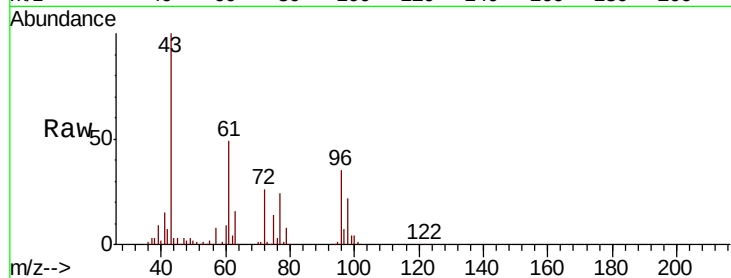
#25
2-Butanone
Concen: 133.54 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS03

Tot Ion: 43 Resp: 308605
Ion Ratio Lower Upper
43 100
72 26.2 21.8 32.6

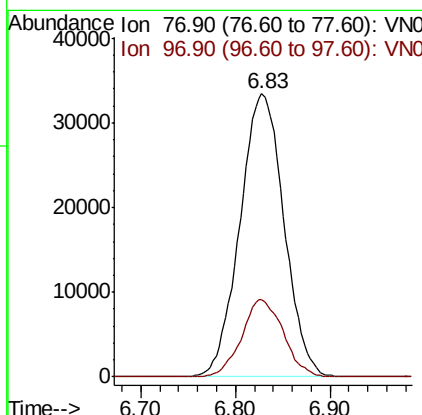
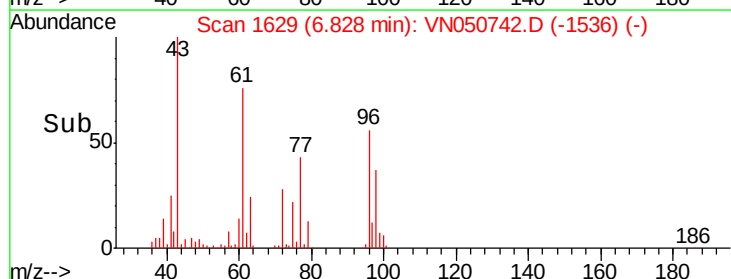
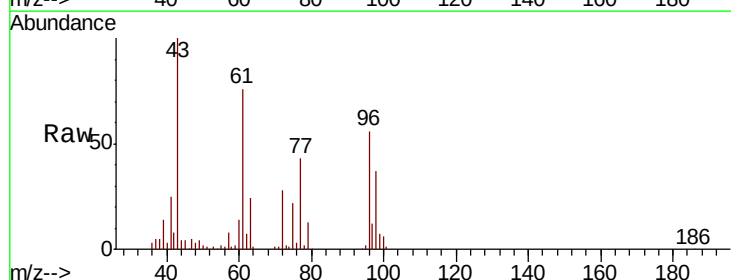
Manual Integrations
APPROVED

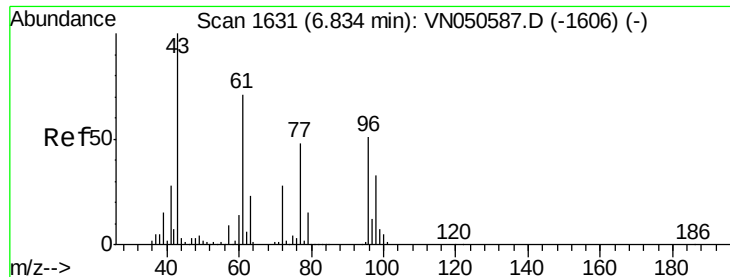
MMDadoda
8/20/2018 10:53:27 AM



#26
2,2-Dichloropropane
Concen: 16.12 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Tgt Ion: 77 Resp: 108060
Ion Ratio Lower Upper
77 100
97 25.8 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 22.16 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

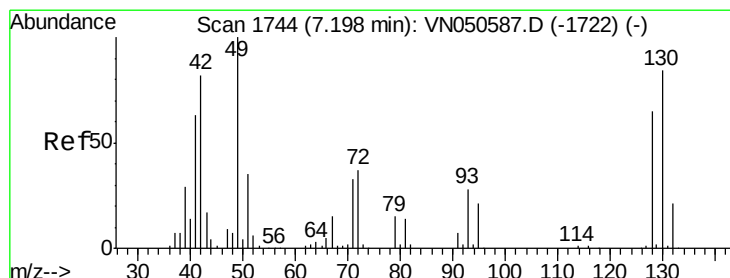
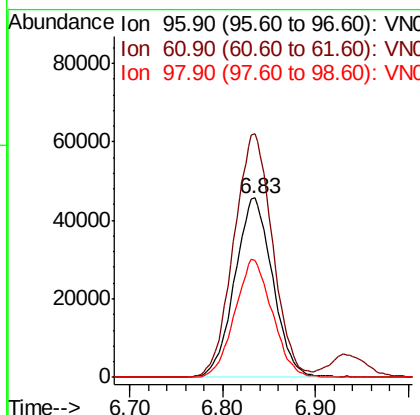
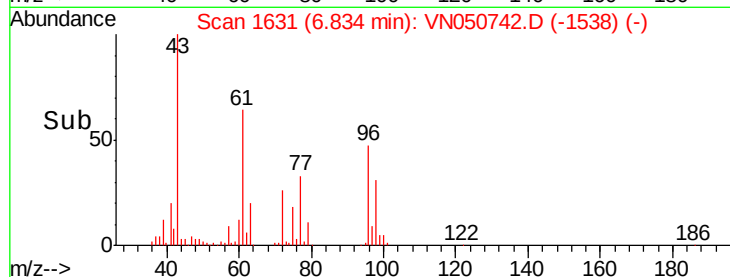
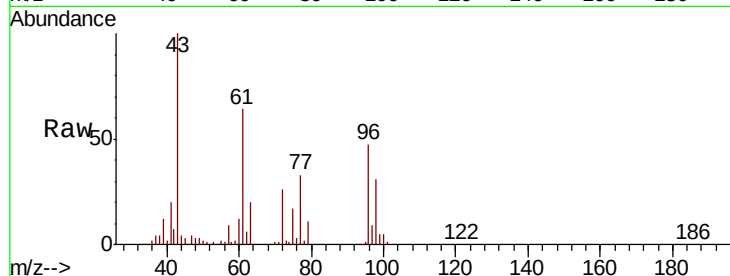
ClientSampleId :

VN0817WBS03

Tot Ion:	96	Resp:	129808
Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	278.2
98	64.8	0.0	128.8

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:27 AM



#28

Bromochloromethane

Concen: 24.01 ug/l

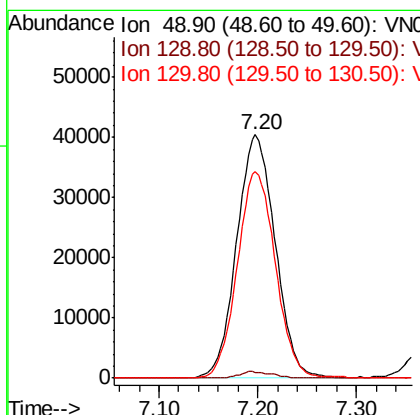
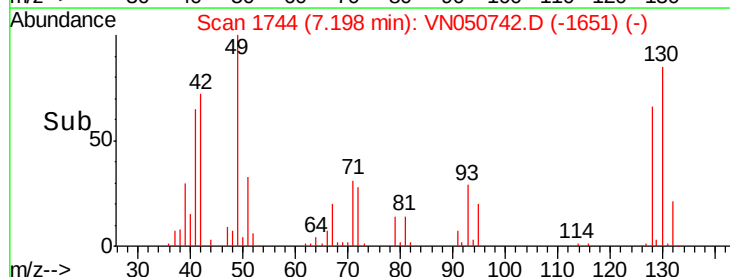
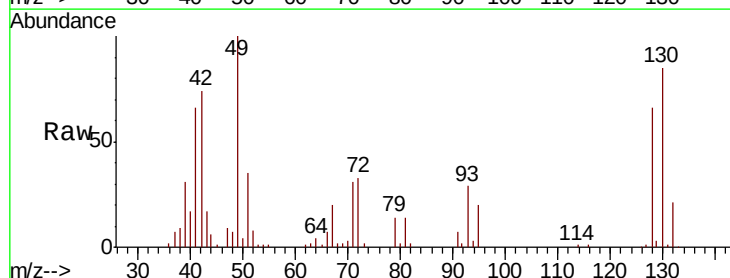
RT: 7.20 min Scan# 1744

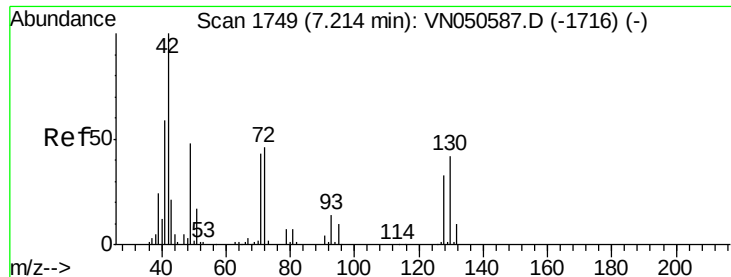
Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Tgt Ion:	49	Resp:	109419
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	83.7	66.8	100.2





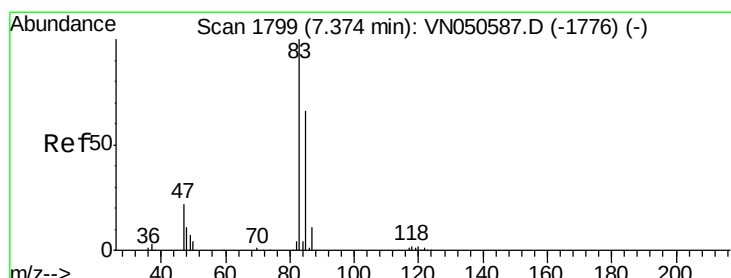
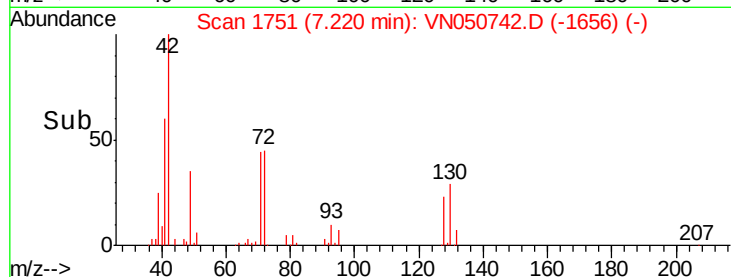
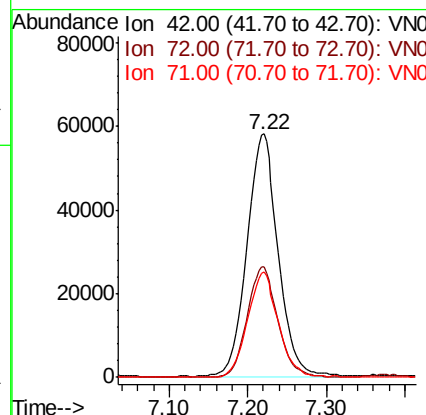
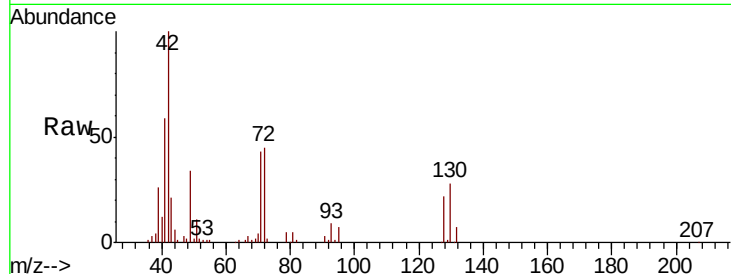
#29
Tetrahydrofuran
Concen: 134.30 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.8	53.6
71	42.6	33.4	50.0

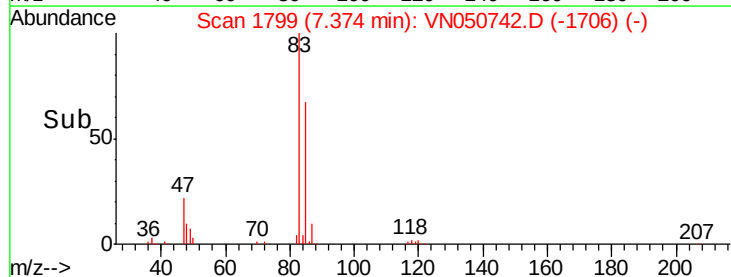
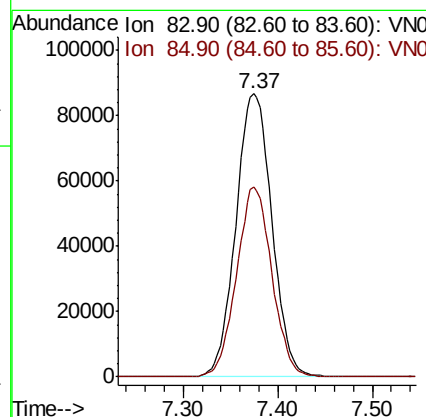
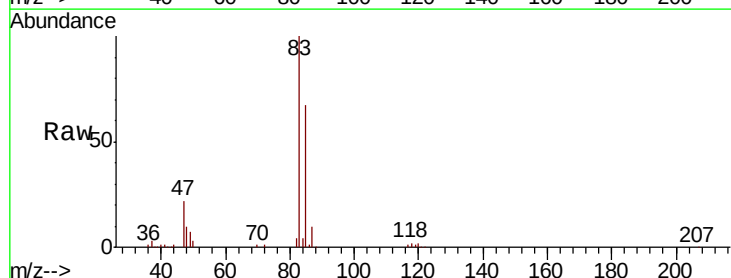
Manual Integrations
APPROVED

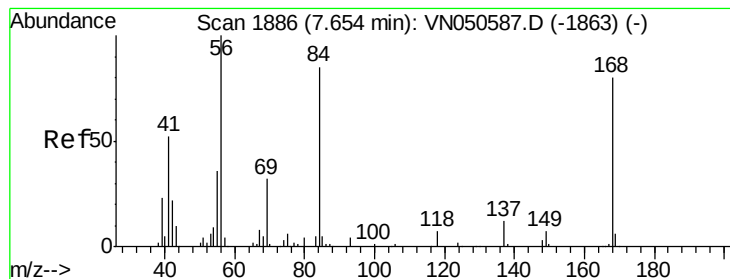
MMDadoda
8/20/2018 10:53:27 AM



#30
Chloroform
Concen: 22.64 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	52.5	78.7





#31

Cyclohexane

Concen: 14.98 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampled :

VN0817WBS03

Tot Ion: 56 Resp: 130052

Ion Ratio Lower Upper

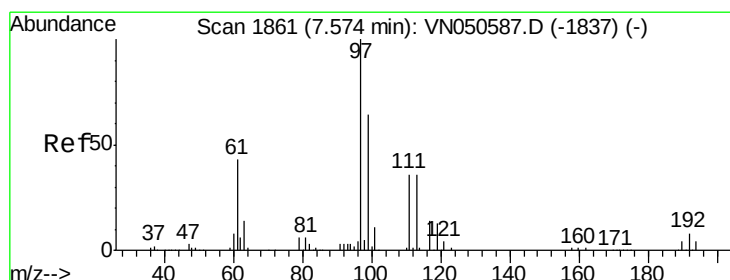
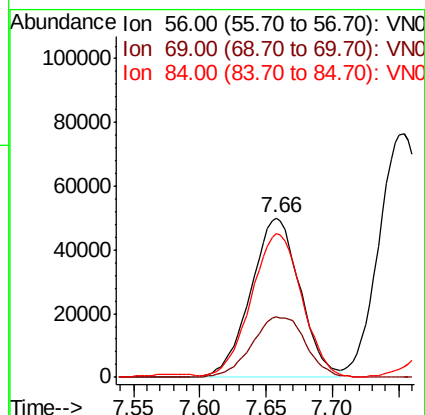
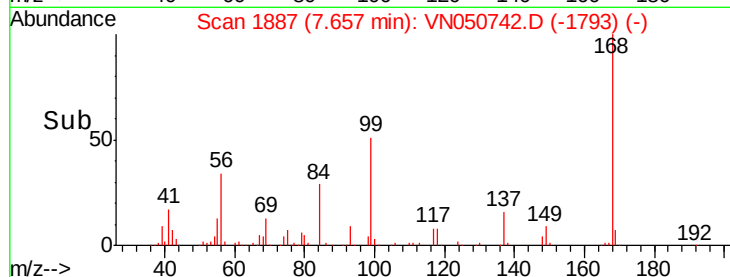
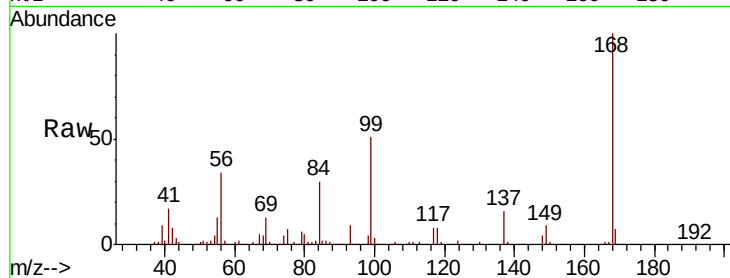
56 100

69 37.9 25.8 38.6

84 88.5 67.8 101.6

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:27 AM



#32

1,1,1-Trichloroethane

Concen: 18.93 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

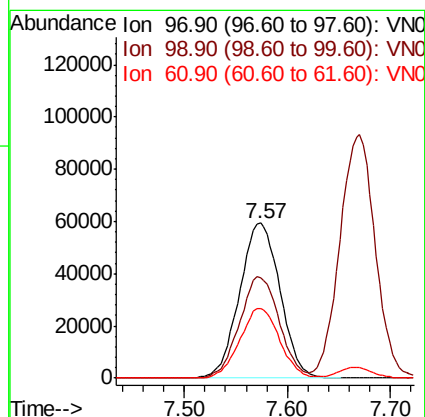
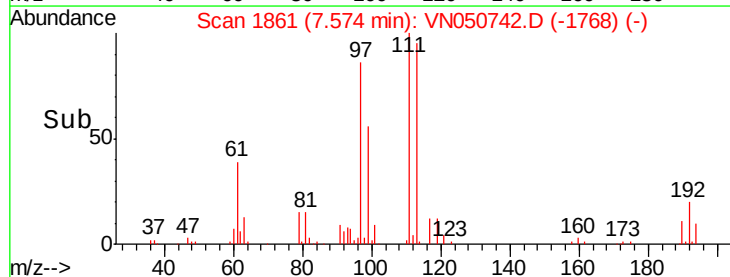
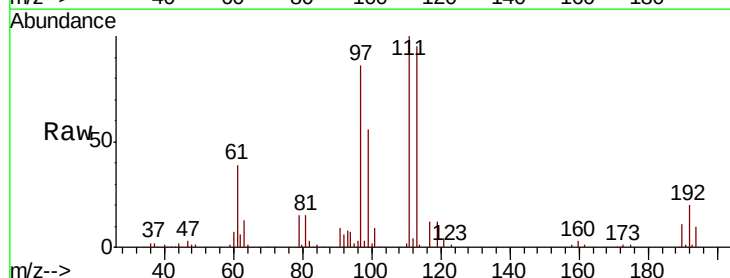
Tgt Ion: 97 Resp: 161645

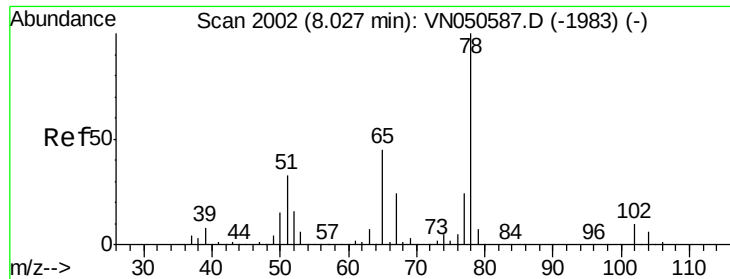
Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

61 44.4 34.8 52.2





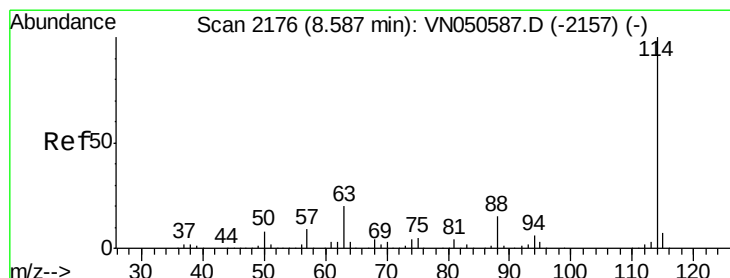
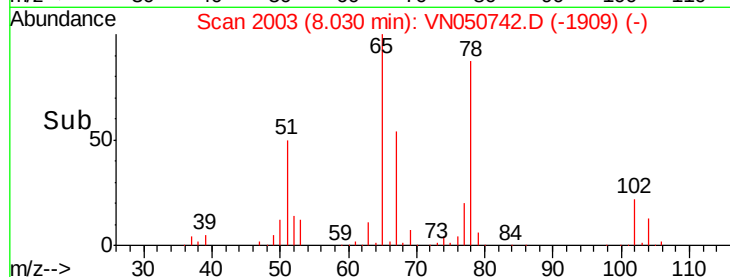
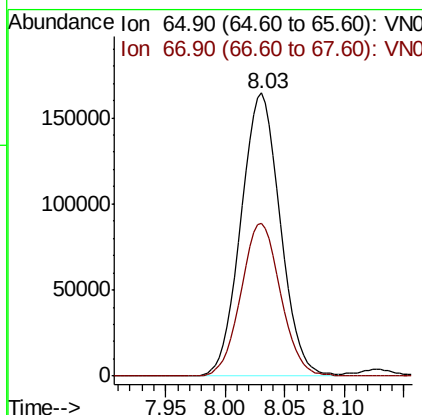
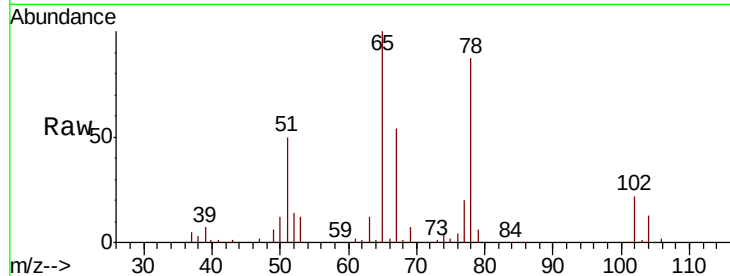
#33
 1,2-Dichloroethane-d4
 Concen: 66.79 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	109.8	

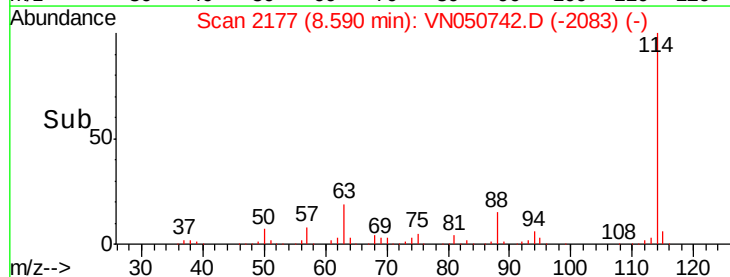
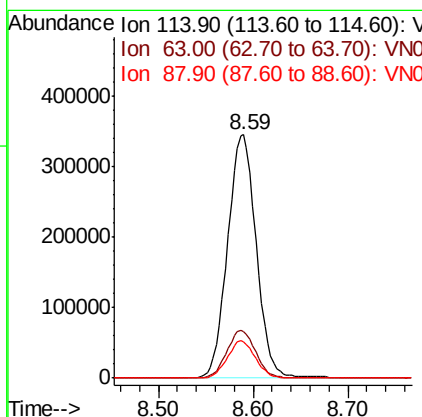
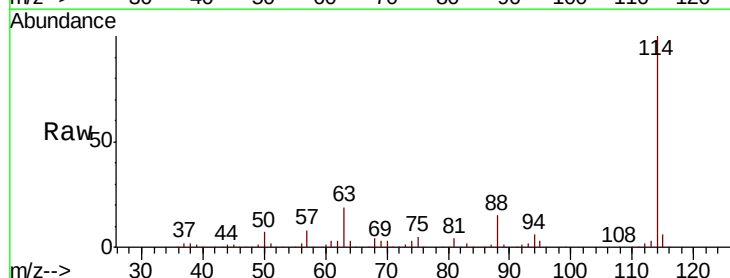
Manual Integrations
 APPROVED

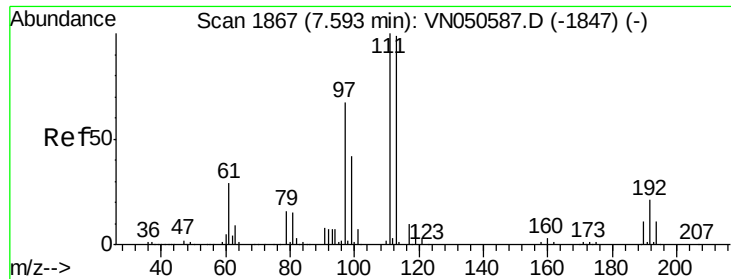
MMDadoda
 8/20/2018 10:53:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	40.0	
88	15.1	0.0	30.8	





#35

Dibromofluoromethane

Concen: 58.32 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

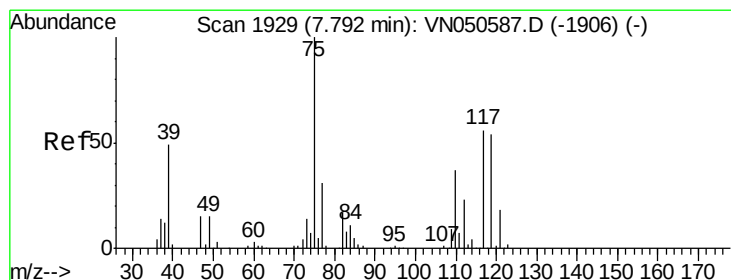
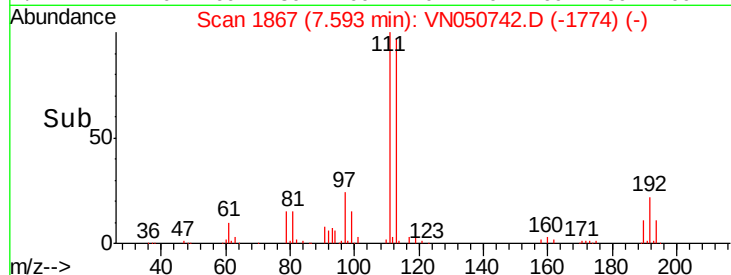
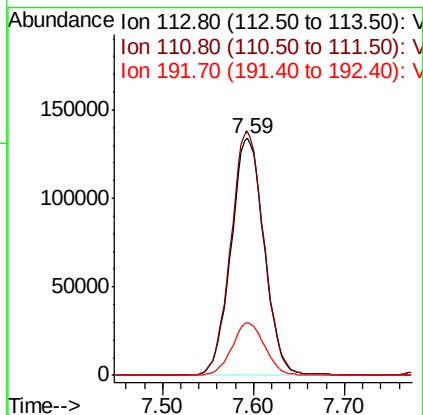
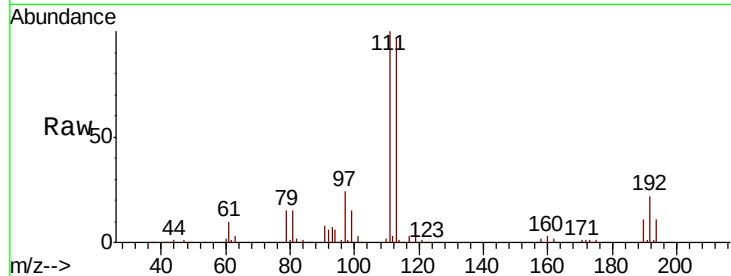
ClientSampleId :

VN0817WBS03

Tot Ion:	113	Resp:	338370
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.0	121.6
192	22.0	17.6	26.4

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:27 AM



#36

1,1-Dichloropropene

Concen: 16.08 ug/l

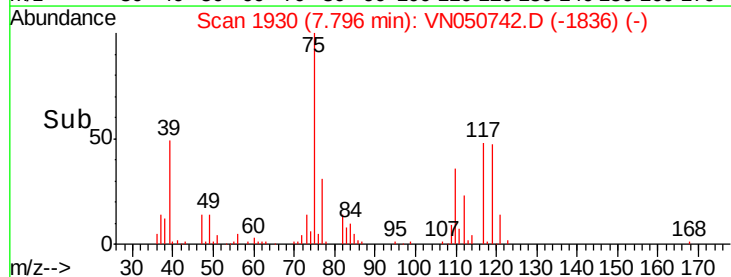
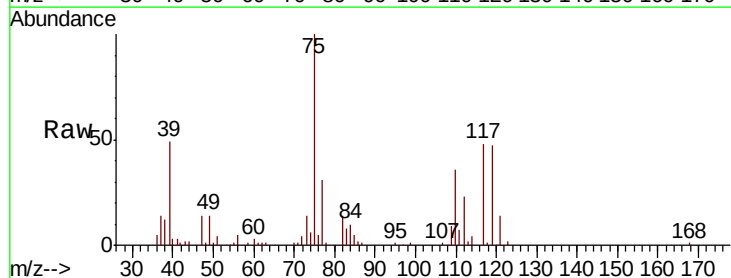
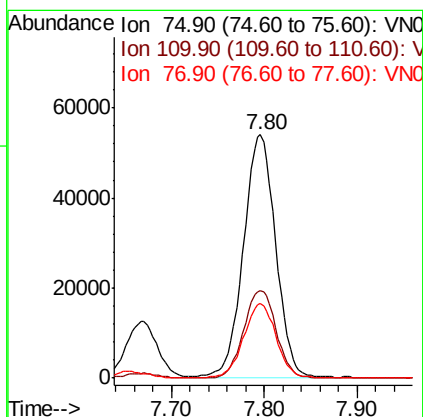
RT: 7.80 min Scan# 1930

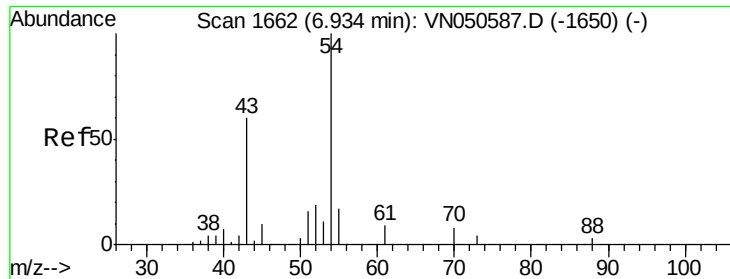
Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Tgt Ion:	75	Resp:	130051
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.3	54.9
77	31.0	25.0	37.4





#37

Ethyl Acetate

Concen: 25.26 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

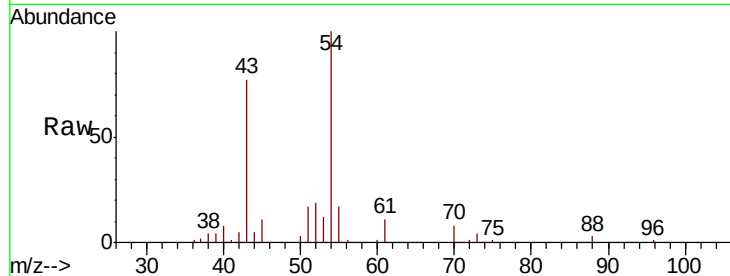
ClientSampleId :

VN0817WBS03

Tot Ion:	43	Resp:	115519
Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.0	18.0
70	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:27 AM

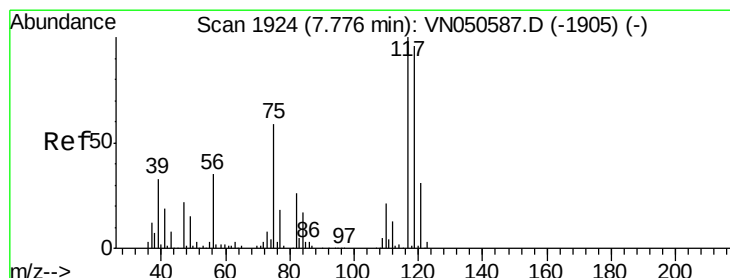
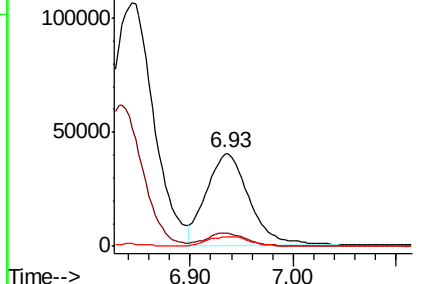
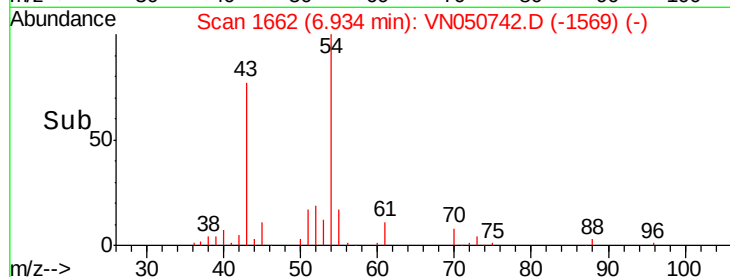


Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-1650) (-)

Ion 60.90 (60.60 to 61.60): VN050587.D (-1650) (-)

Ion 70.00 (69.70 to 70.70): VN050587.D (-1650) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 16.06 ug/l

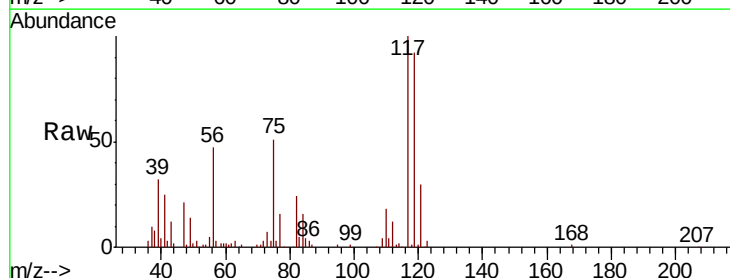
RT: 7.78 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Tgt Ion:	117	Resp:	134739
Ion	Ratio	Lower	Upper
117	100		
119	91.5	76.6	115.0
121	29.8	25.0	37.6

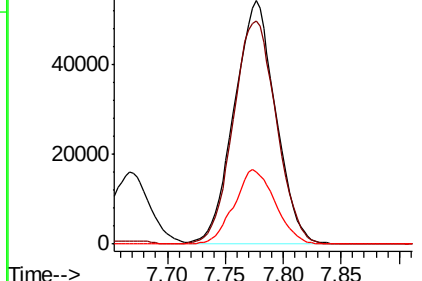
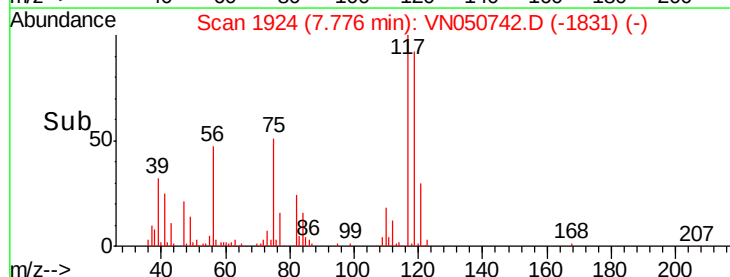


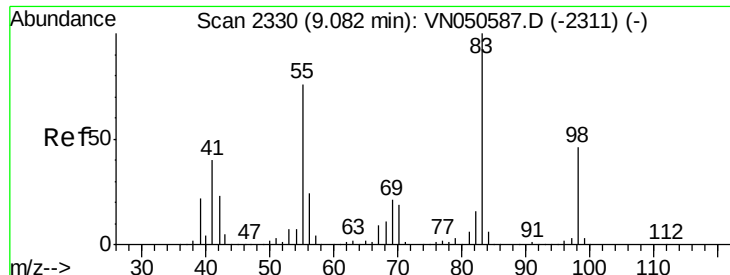
Abundance Ion 116.80 (116.50 to 117.50): VN050587.D (-1905) (-)

Ion 118.80 (118.50 to 119.50): VN050587.D (-1905) (-)

Ion 120.80 (120.50 to 121.50): VN050587.D (-1905) (-)

Time-->





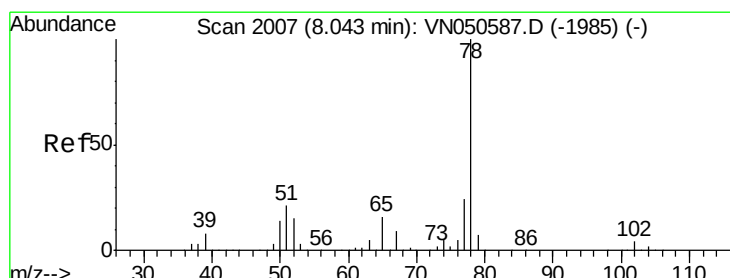
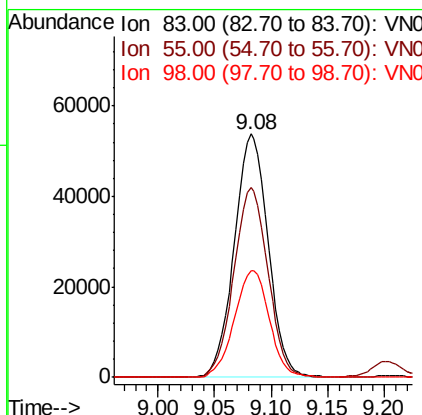
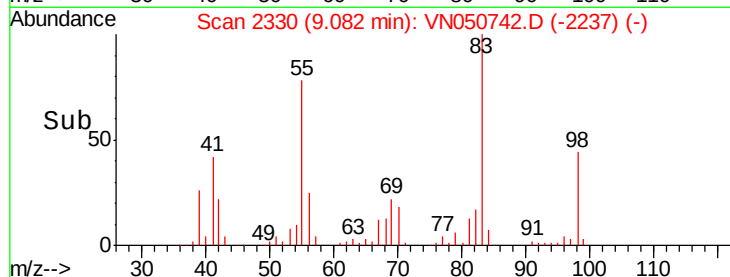
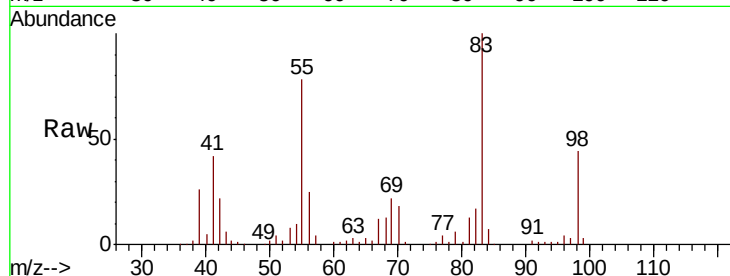
#39
Methylvlcyclohexane
Concen: 13.40 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	60.6	91.0
98	43.6	37.0	55.4

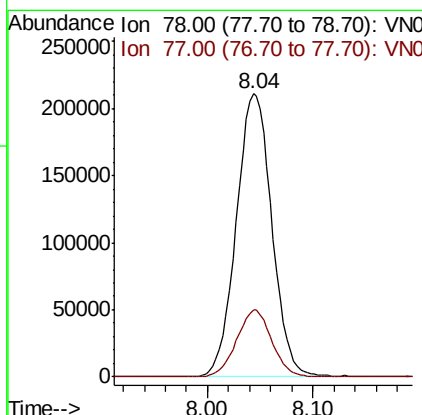
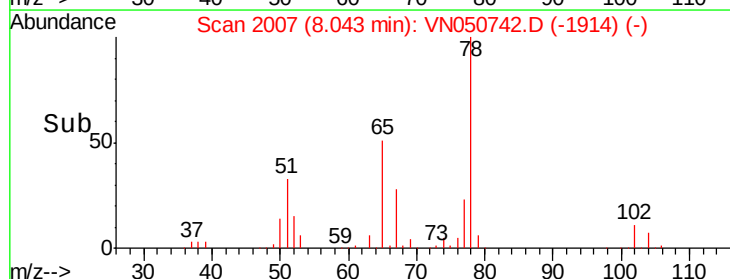
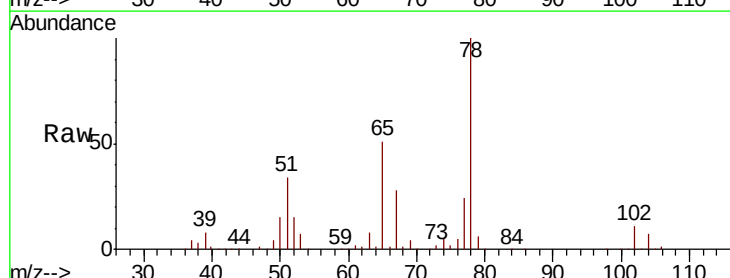
Manual Integrations
APPROVED

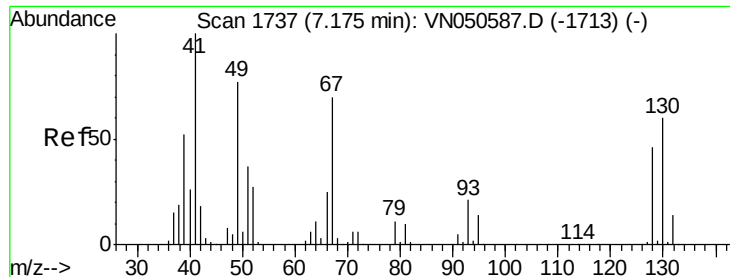
MMDadoda
8/20/2018 10:53:27 AM



#40
Benzene
Concen: 20.07 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





#41

Methacrylonitrile

Concen: 27.11 ug/l

RT: 7.19 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS03

Tot Ion: 41 Resp: 67030

Ion Ratio Lower Upper

41 100

39 52.6 44.6 66.8

67 74.6 66.7 100.1

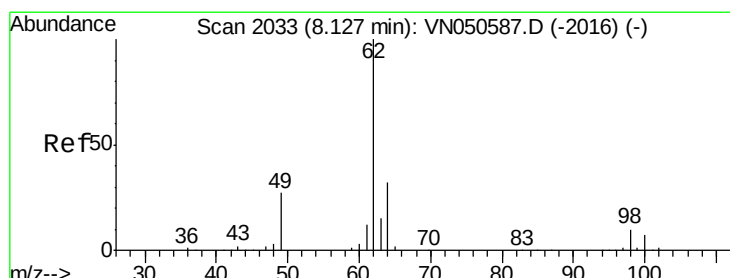
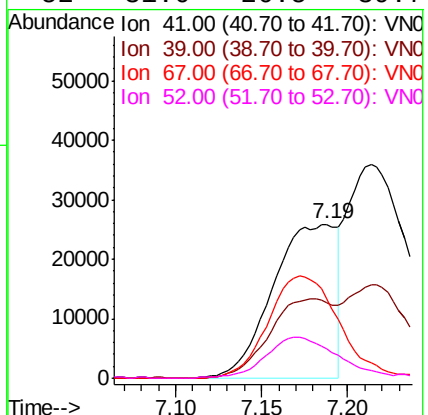
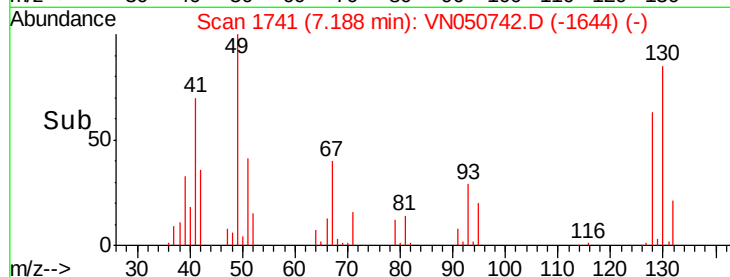
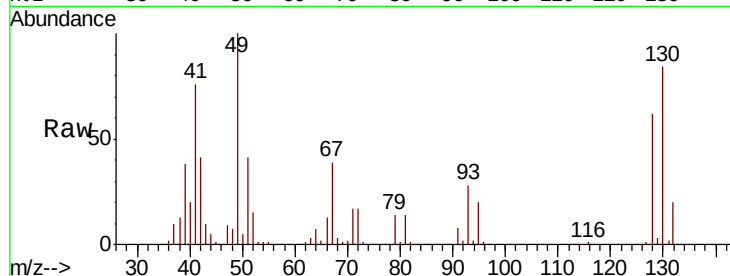
52 31.0 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

8/20/2018 10:53:27 AM



#42

1,2-Dichloroethane

Concen: 22.41 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN050742.D

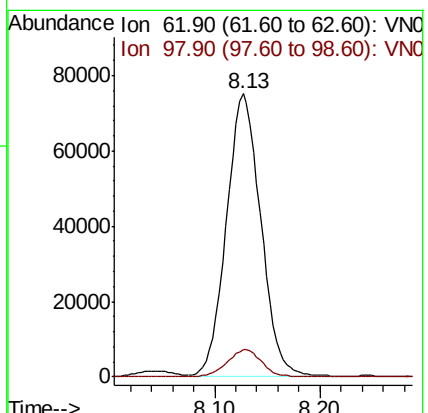
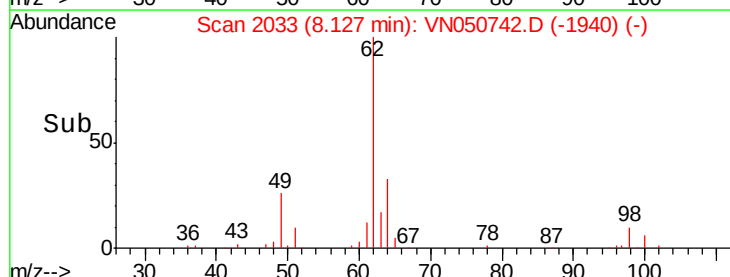
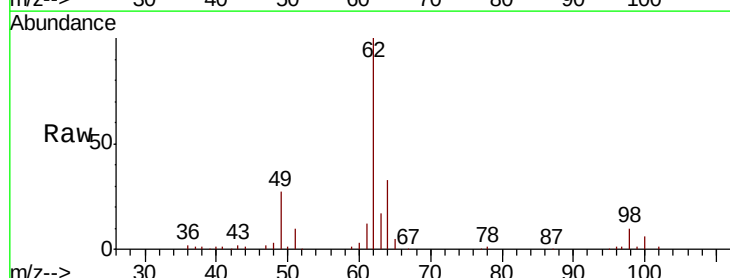
Acq: 18 Aug 2018 1:16

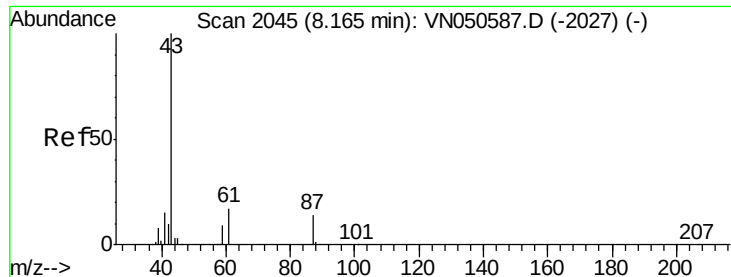
Tgt Ion: 62 Resp: 169001

Ion Ratio Lower Upper

62 100

98 9.8 0.0 19.4





#43

Isopropyl Acetate

Concen: 23.43 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

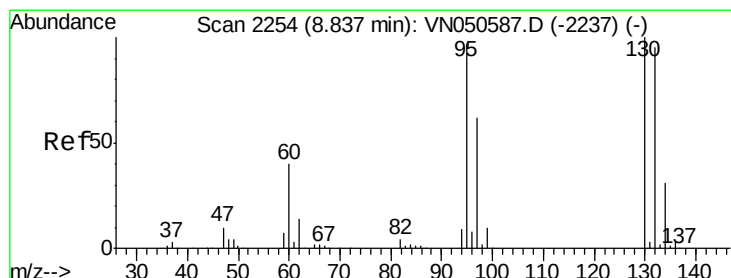
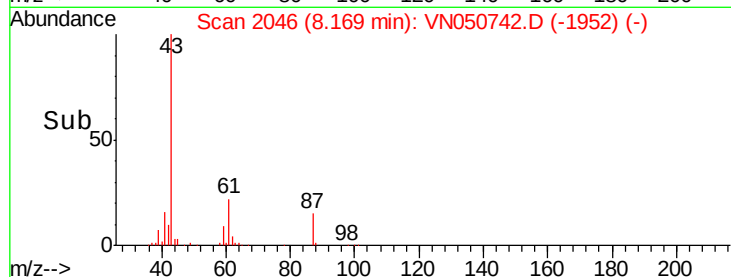
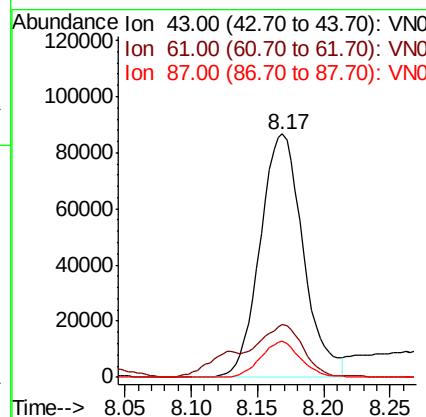
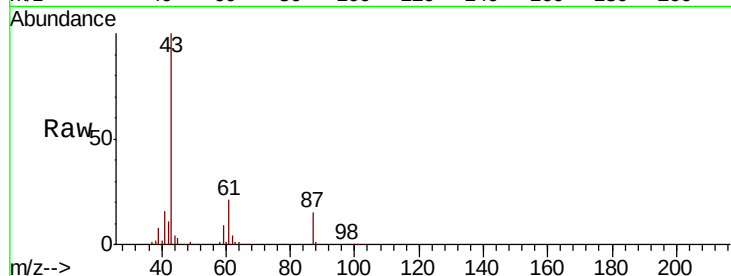
ClientSampleId :

VN0817WBS03

Tot Ion:	43	Resp:	195274
Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.2	24.2
87	13.8	10.9	16.3

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:27 AM



#44

Trichloroethene

Concen: 17.72 ug/l

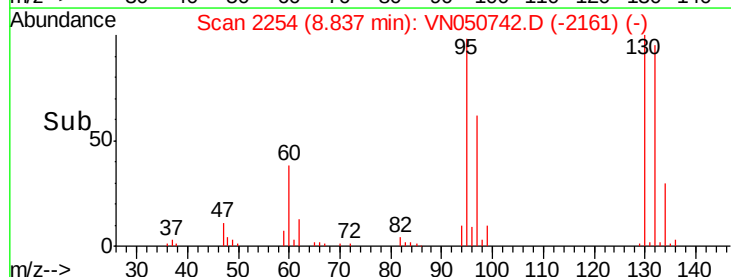
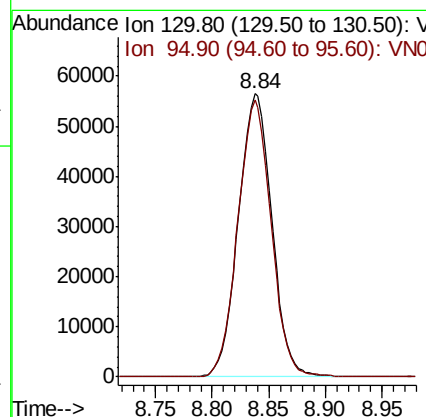
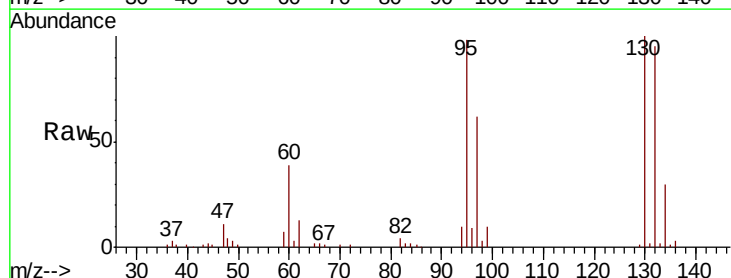
RT: 8.84 min Scan# 2254

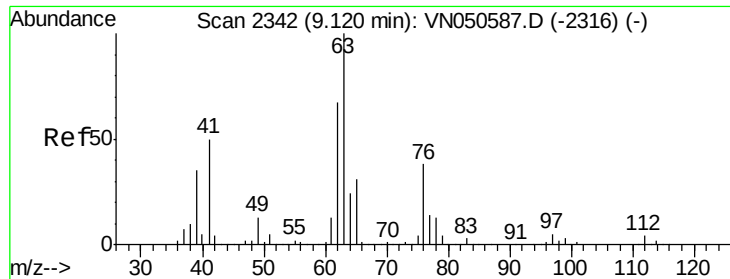
Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Tgt Ion:	130	Resp:	116823
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	193.8





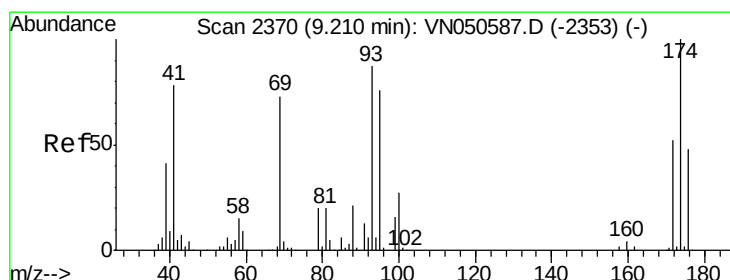
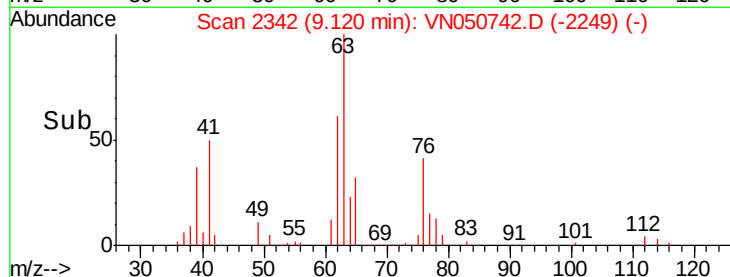
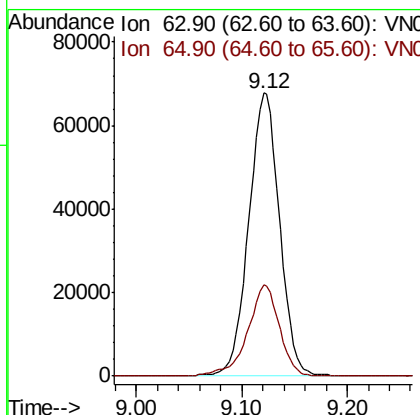
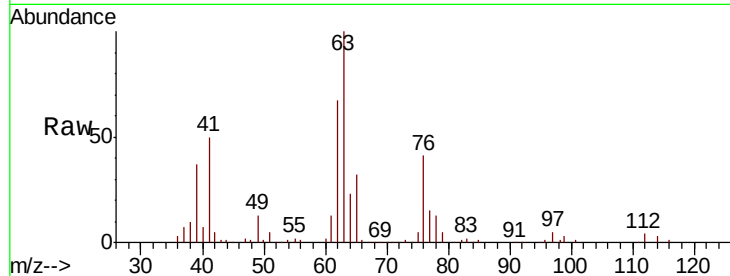
#45
 1,2-Dichloropropane
 Concen: 21.12 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0817WBS03

Tot Ion: 63 Resp: 138389
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.5 36.7

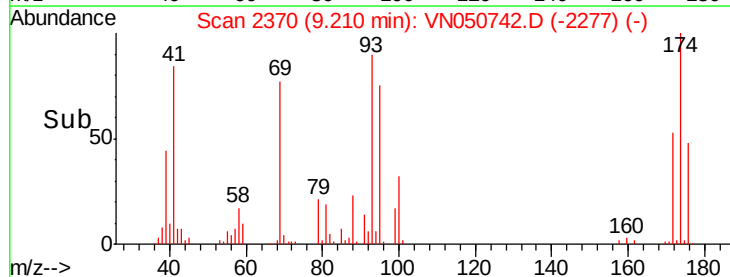
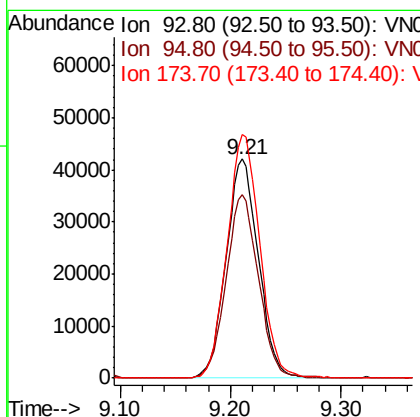
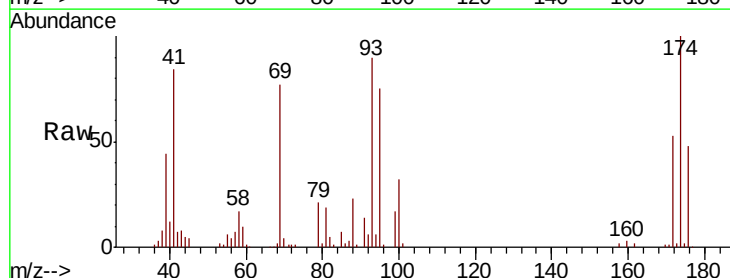
Manual Integrations
 APPROVED

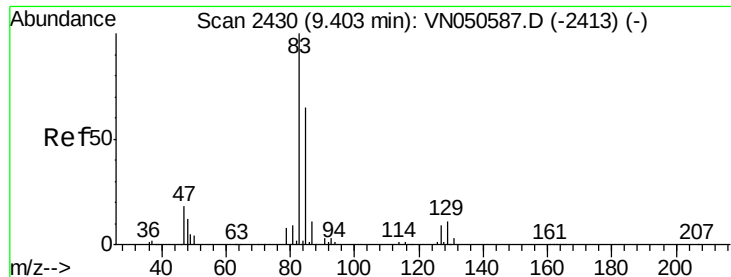
MMDadoda
 8/20/2018 10:53:27 AM



#46
 Dibromomethane
 Concen: 22.13 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Tgt Ion: 93 Resp: 85609
 Ion Ratio Lower Upper
 93 100
 95 83.2 69.1 103.7
 174 112.4 91.0 136.6





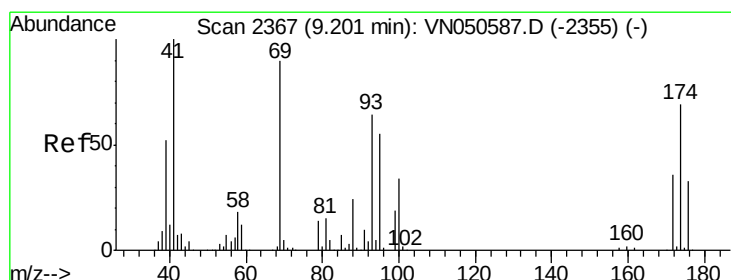
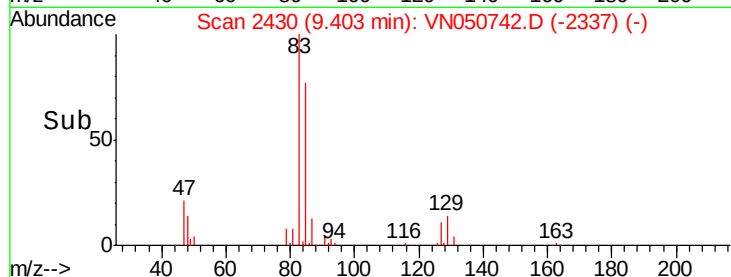
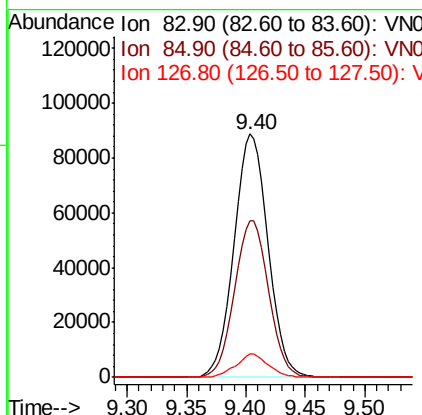
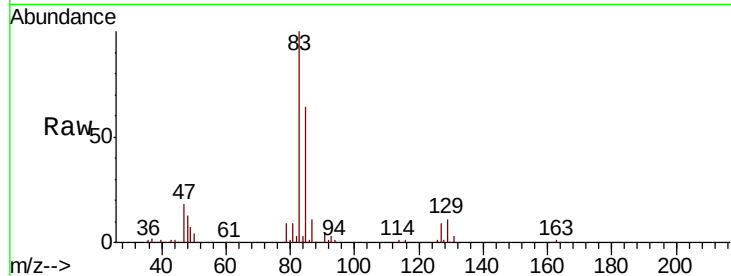
#47
Bromodichloromethane
Concen: 21.27 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS03

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.2	51.8	77.6	
127	9.5	7.2	10.8	

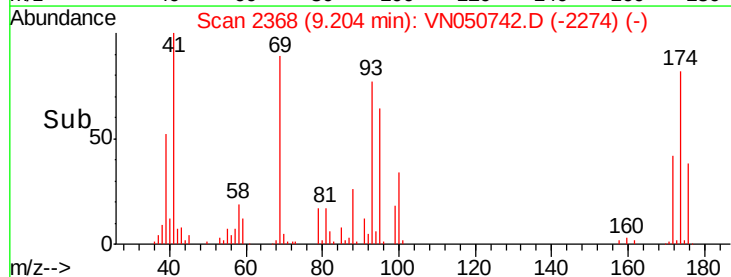
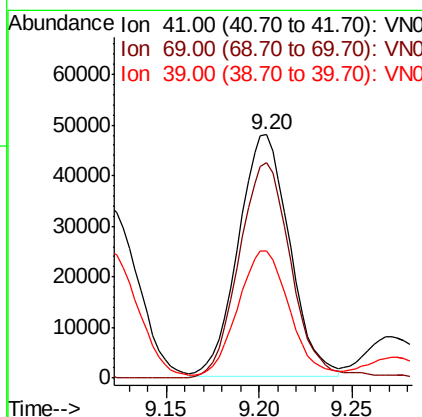
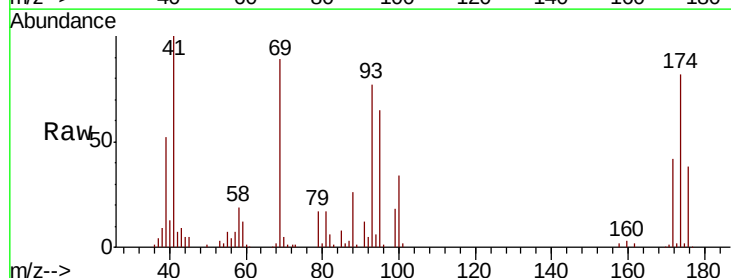
Manual Integrations
APPROVED

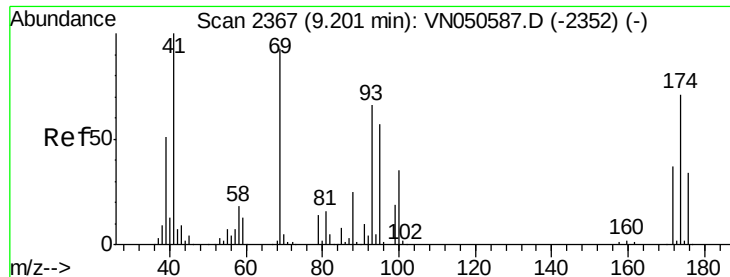
MMDadoda
8/20/2018 10:53:27 AM



#48
Methyl methacrylate
Concen: 21.91 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	90.4	73.4	110.0	
39	52.7	43.0	64.6	





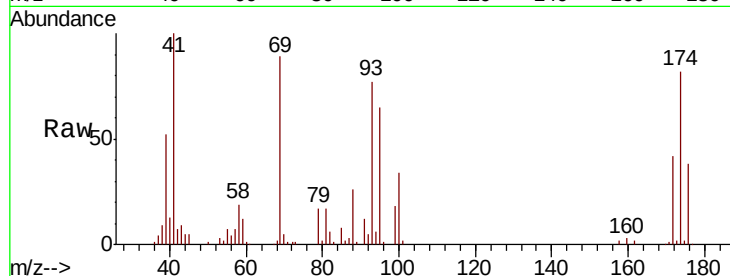
#49
1,4-Dioxane
Concen: 470.98 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampled :
VN0817WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	25.9	38.9
58	71.8	56.5	84.7

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:27 AM

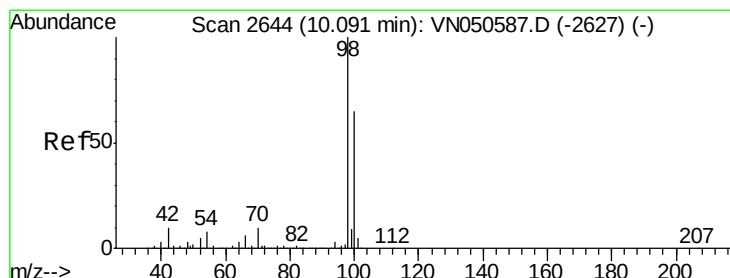
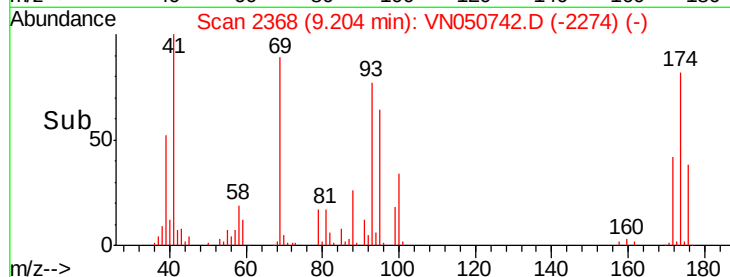
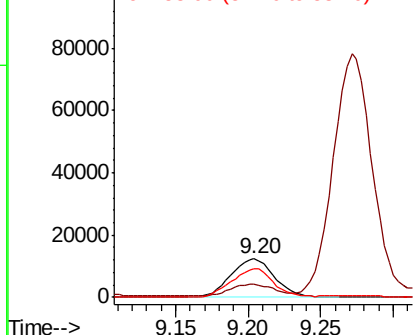


Abundance

Ion 88.00 (87.70 to 88.70): VN050742.D (-2367) (-)

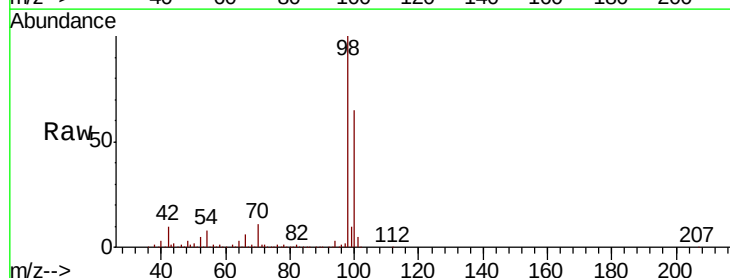
Ion 43.00 (42.70 to 43.70): VN050742.D (-2367) (-)

Ion 58.00 (57.70 to 58.70): VN050742.D (-2367) (-)



#50
Toluene-d8
Concen: 50.17 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

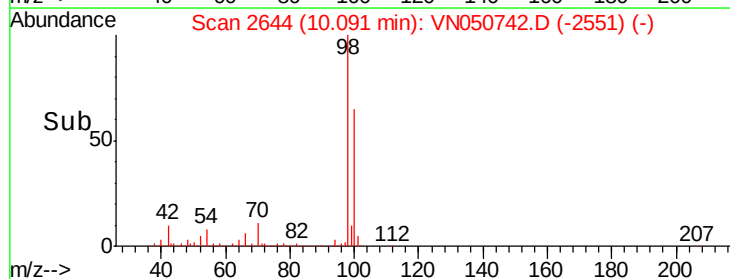
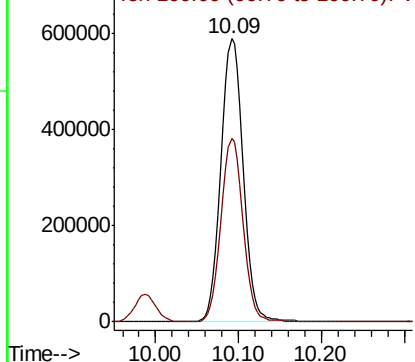
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.8	77.8

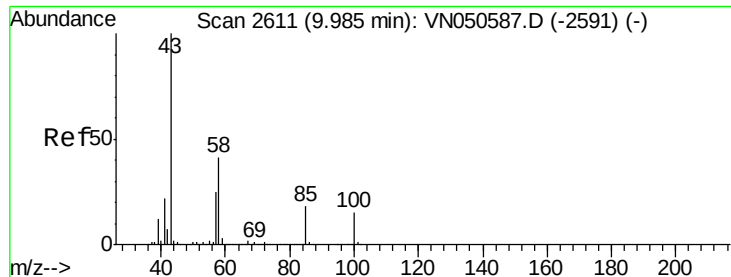


Abundance

Ion 98.00 (97.70 to 98.70): VN050742.D (-2643) (-)

Ion 100.00 (99.70 to 100.70): VN050742.D (-2643) (-)





#51

4-Methyl-2-Pentanone

Concen: 125.12 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS03

Tot Ion: 43 Resp: 705187

Ion Ratio Lower Upper

43 100

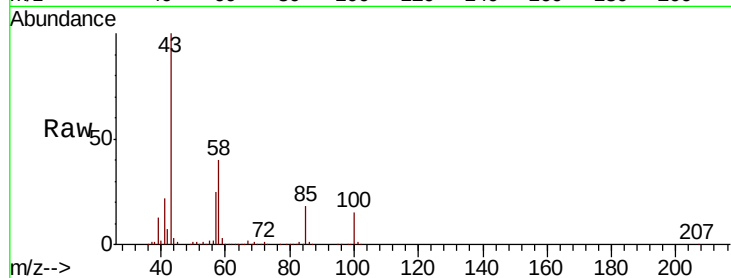
58 40.3 32.5 48.7

Manual Integrations

APPROVED

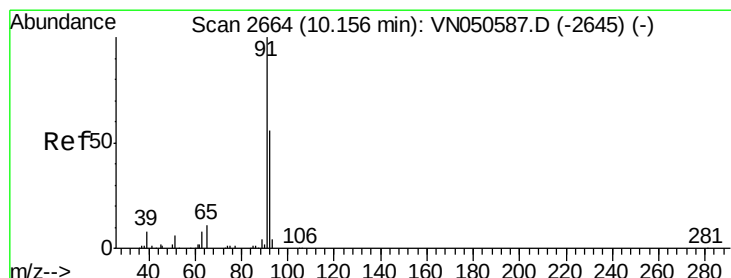
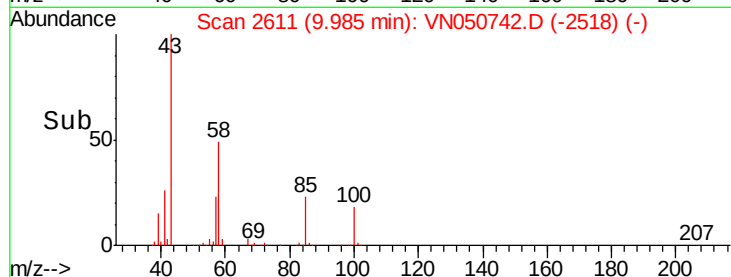
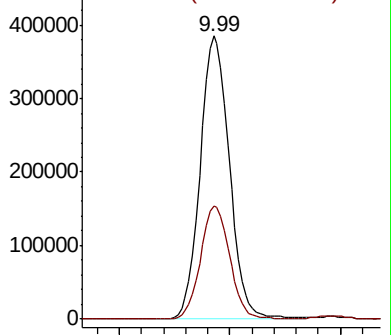
MMDadoda

8/20/2018 10:53:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.15 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050742.D

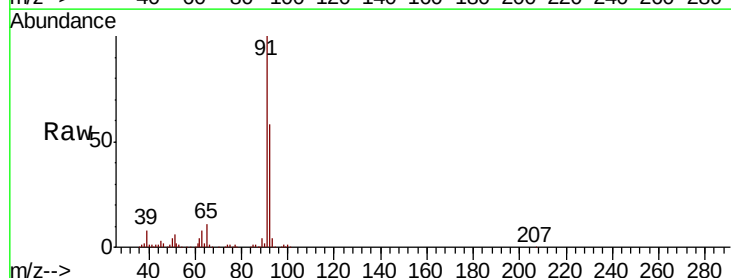
Acq: 18 Aug 2018 1:16

Tgt Ion: 92 Resp: 281385

Ion Ratio Lower Upper

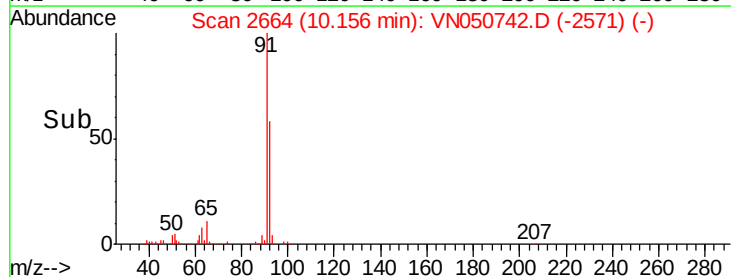
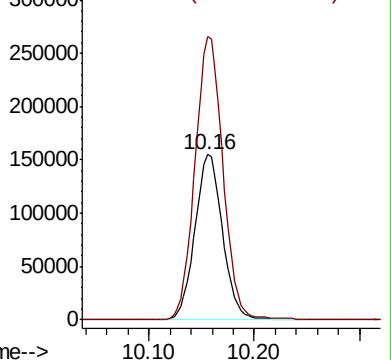
92 100

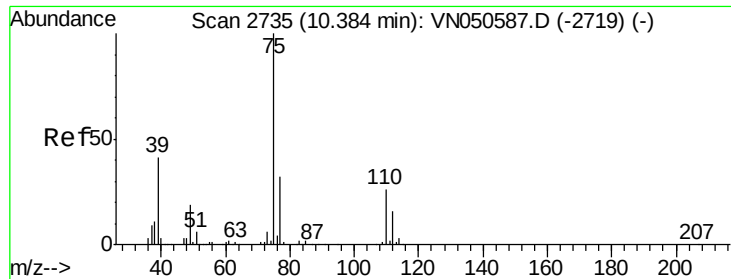
91 173.5 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





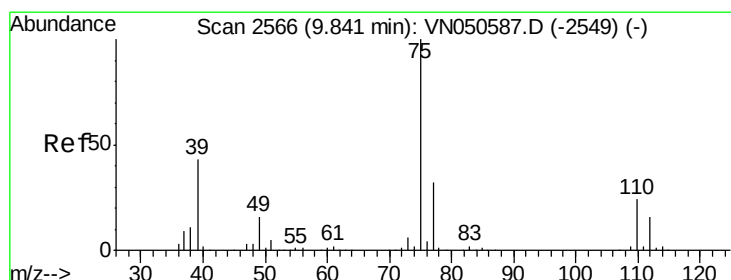
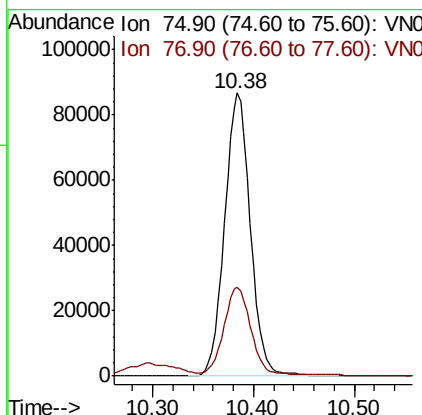
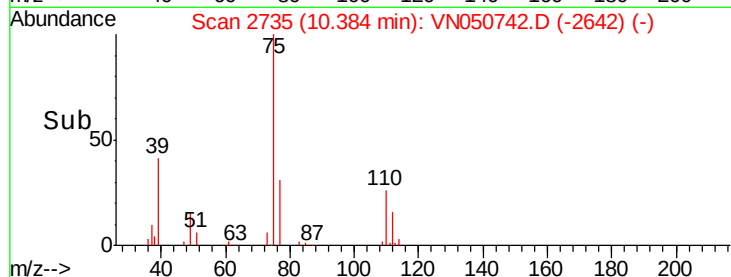
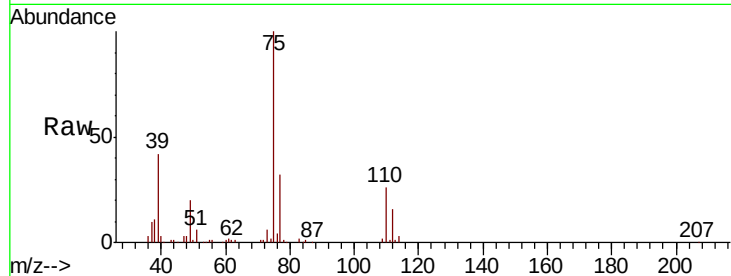
#53
t-1,3-Dichloropropene
Concen: 20.04 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampled :
VN0817WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6

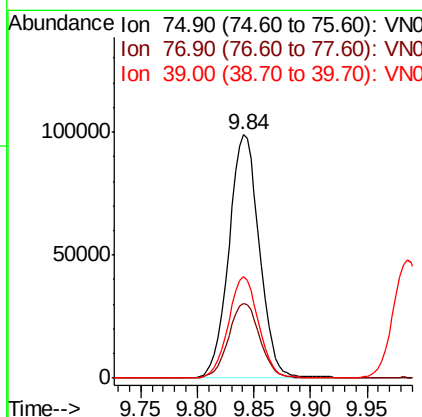
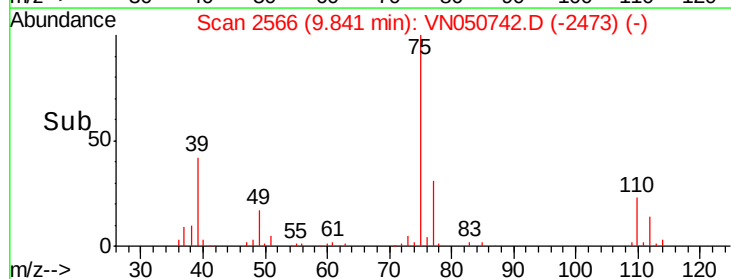
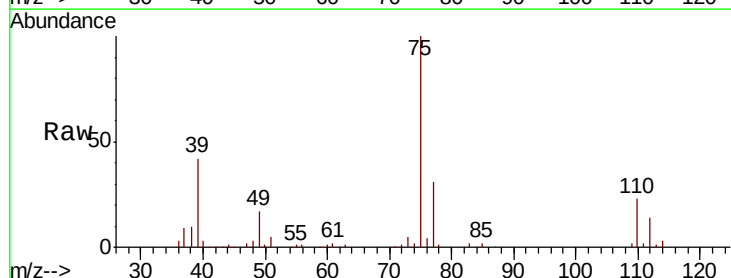
Manual Integrations
APPROVED

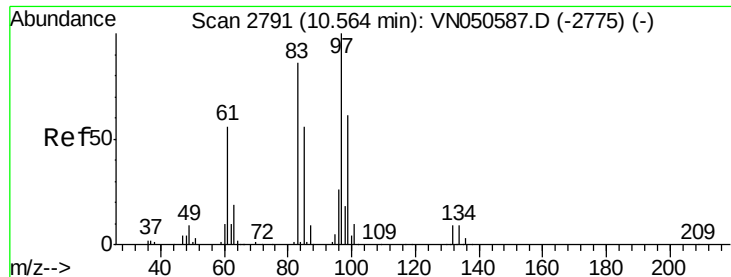
MMDadoda
8/20/2018 10:53:27 AM



#54
cis-1,3-Dichloropropene
Concen: 21.05 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.6	38.4
39	41.5	34.4	51.6





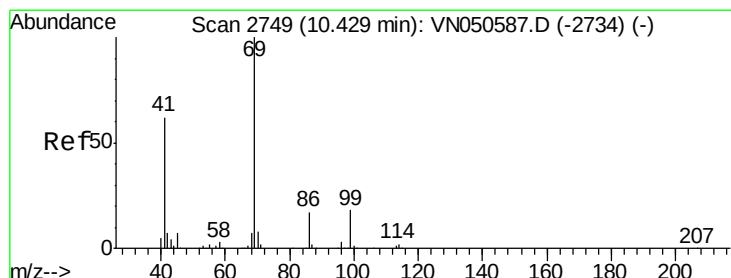
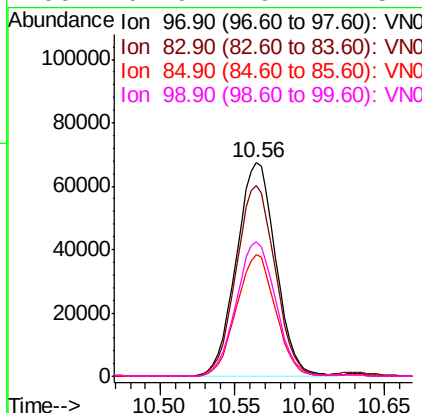
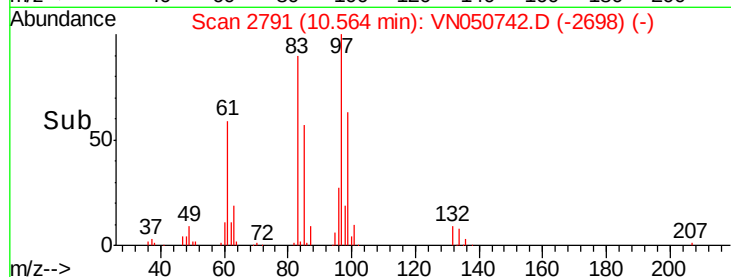
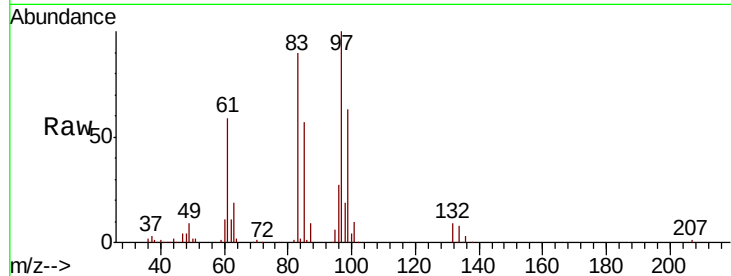
#55
 1,1,2-Trichloroethane
 Concen: 22.52 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		123636		
83	89.6	68.5	102.7		
85	57.2	44.6	66.8		
99	62.9	49.1	73.7		

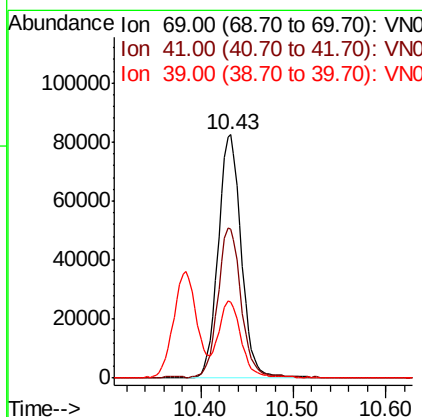
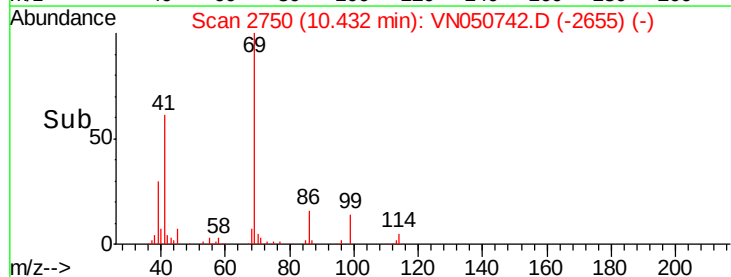
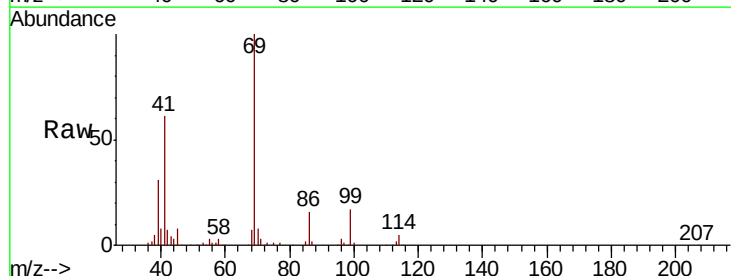
Manual Integrations
 APPROVED

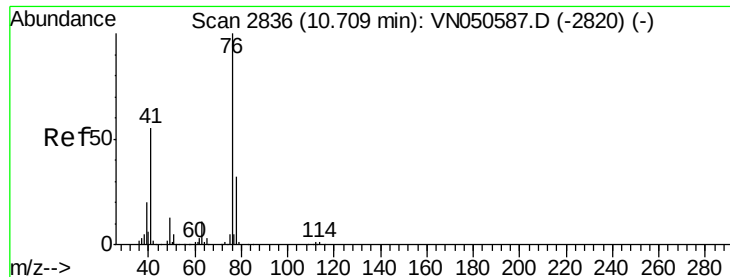
MMDadoda
 8/20/2018 10:53:27 AM



#56
 Ethyl methacrylate
 Concen: 21.44 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		142252		
41	61.4	49.7	74.5		
39	30.7	24.2	36.2		





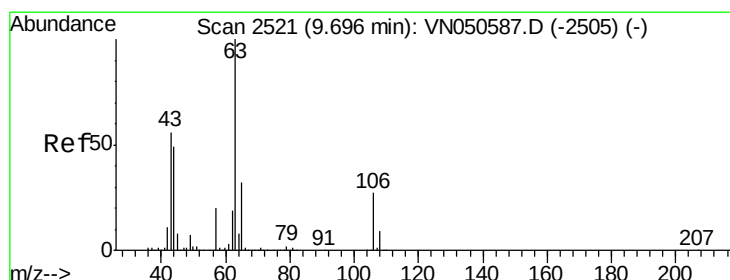
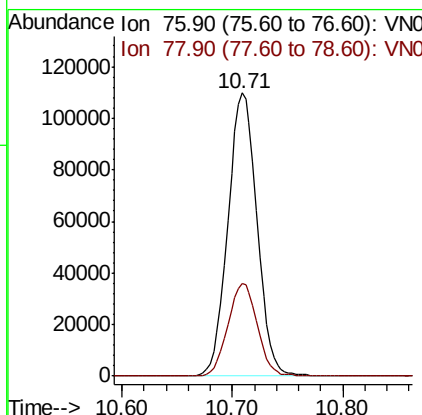
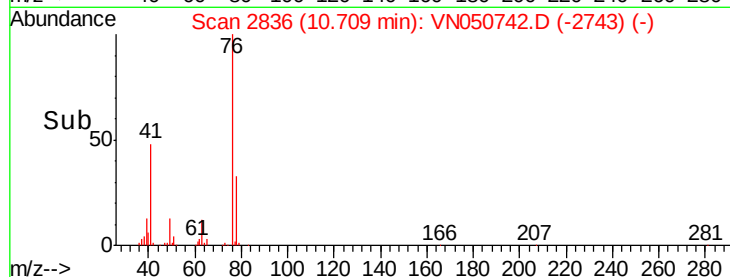
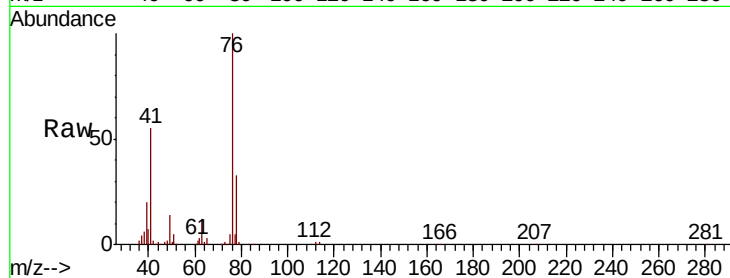
#57
 1,3-Dichloropropane
 Concen: 22.30 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.6

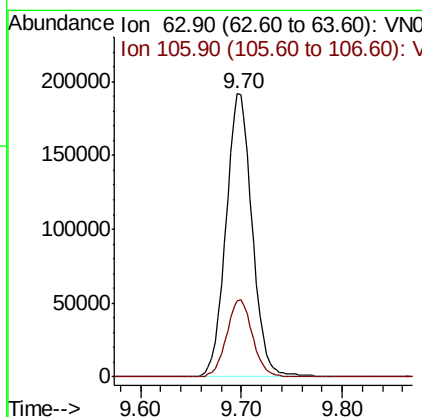
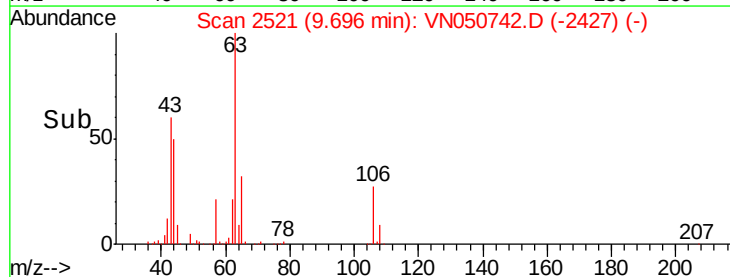
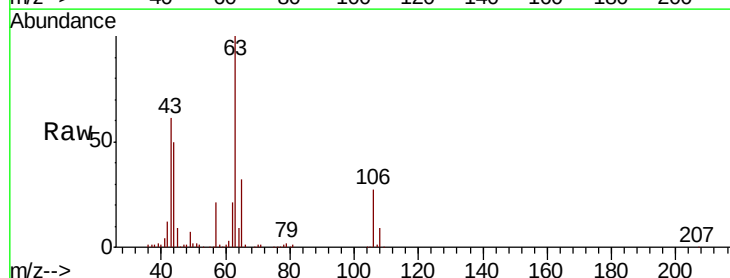
Manual Integrations
 APPROVED

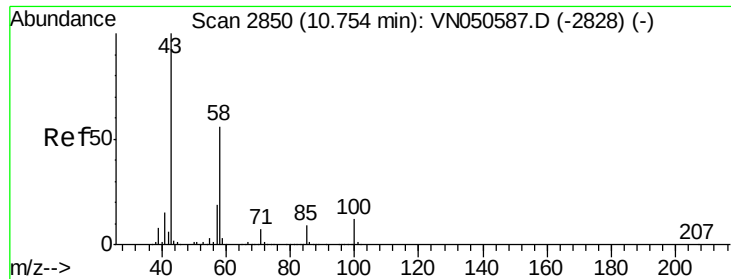
MMDadoda
 8/20/2018 10:53:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.74 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5





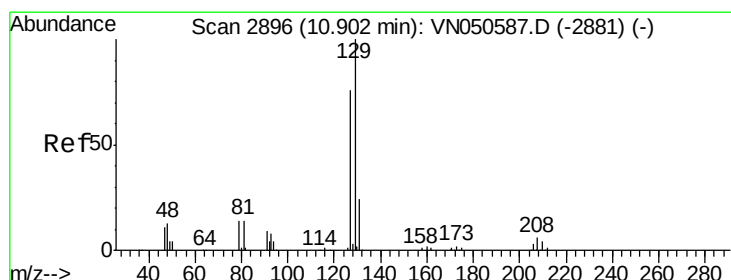
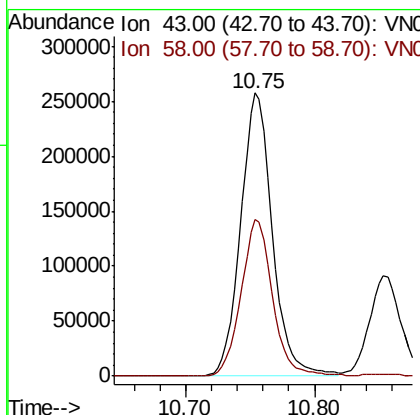
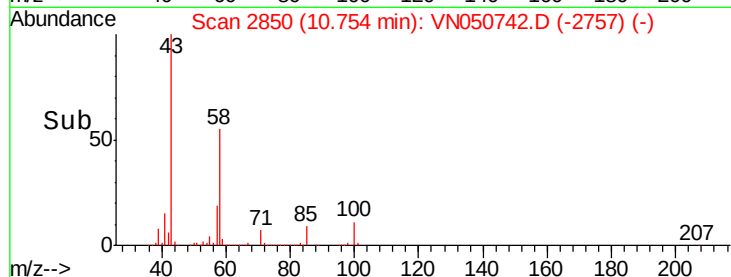
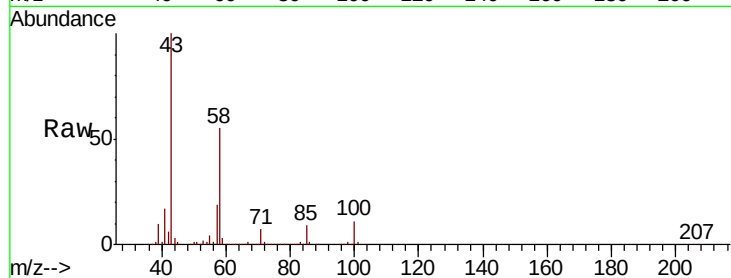
#59
2-Hexanone
Concen: 120.54 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	28.0	84.0

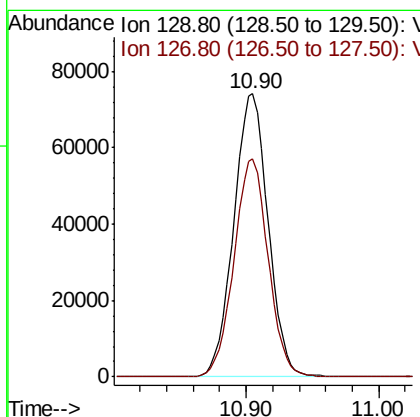
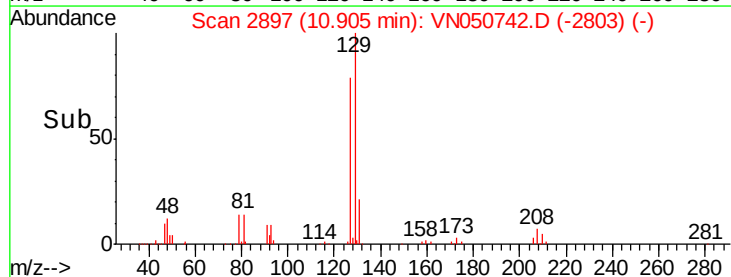
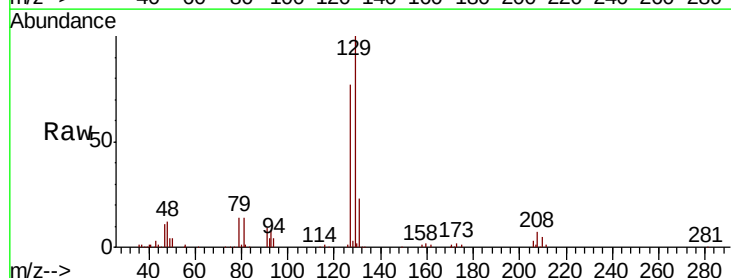
Manual Integrations
APPROVED

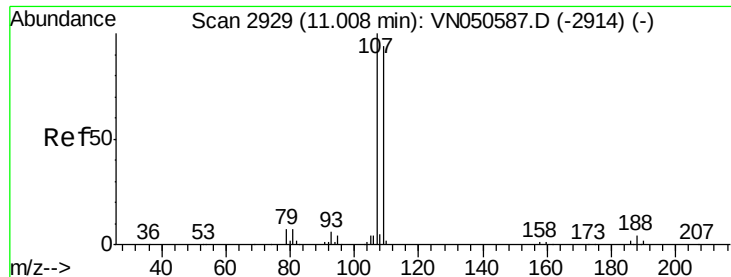
MMDadoda
8/20/2018 10:53:27 AM



#60
Dibromochloromethane
Concen: 22.01 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.9	116.7





#61

1,2-Dibromoethane

Concen: 22.12 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS03

Tot Ion:107 Resp: 115634

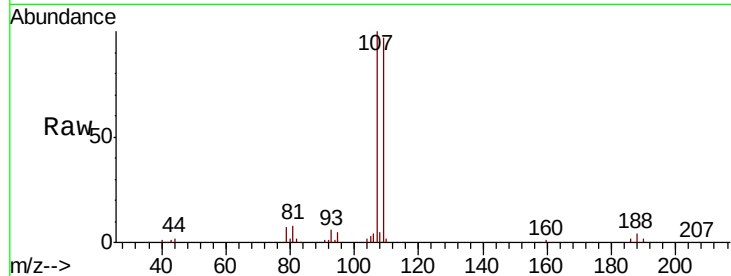
Ion Ratio Lower Upper

107 100

109 96.3 75.7 113.5

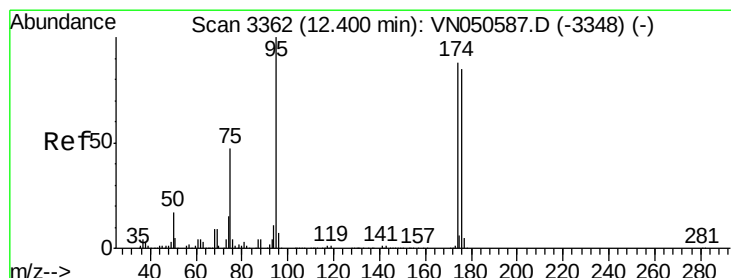
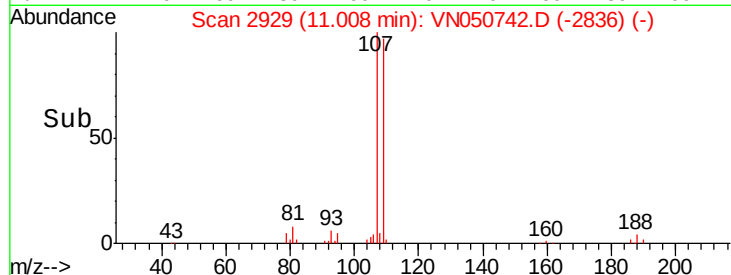
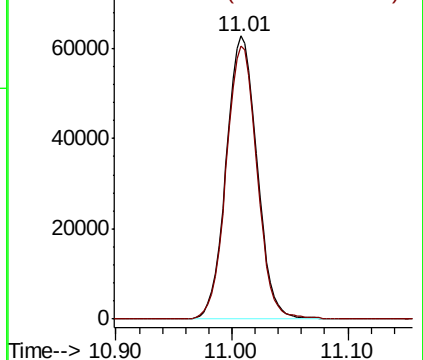
Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:27 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.96 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

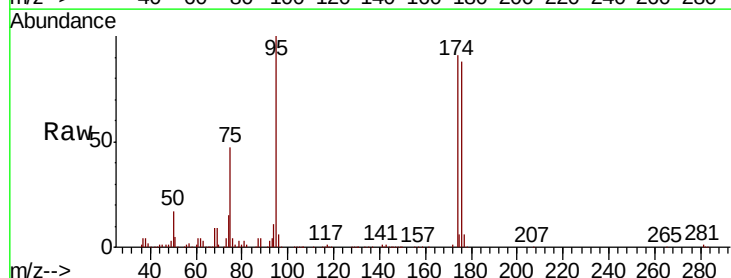
Tgt Ion: 95 Resp: 338749

Ion Ratio Lower Upper

95 100

174 90.3 0.0 177.8

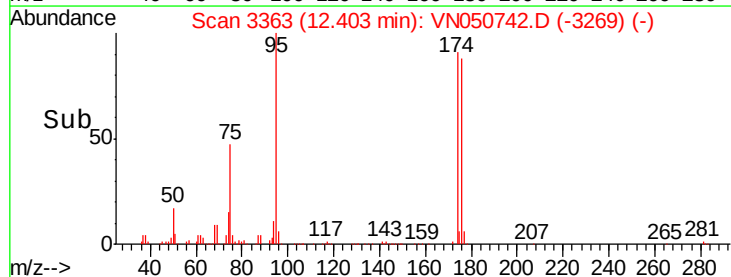
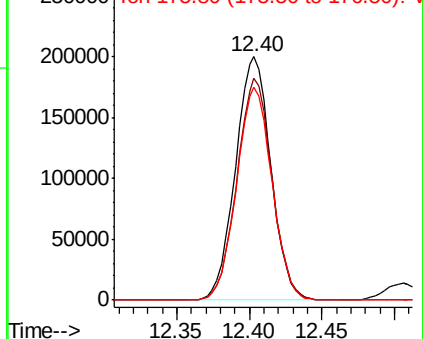
176 87.3 0.0 175.0

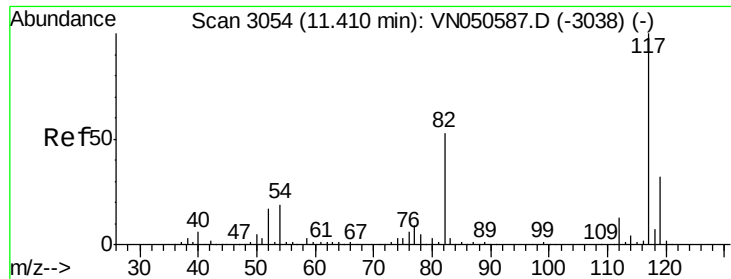


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





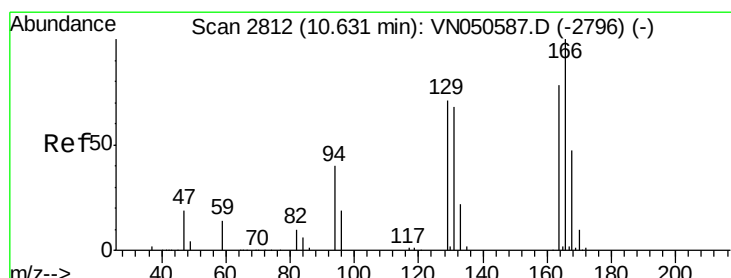
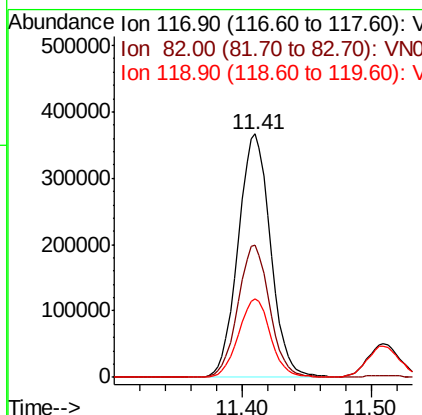
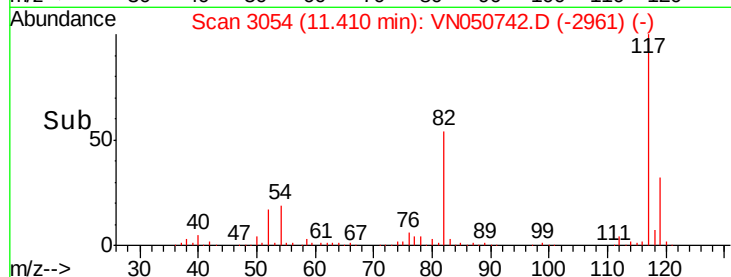
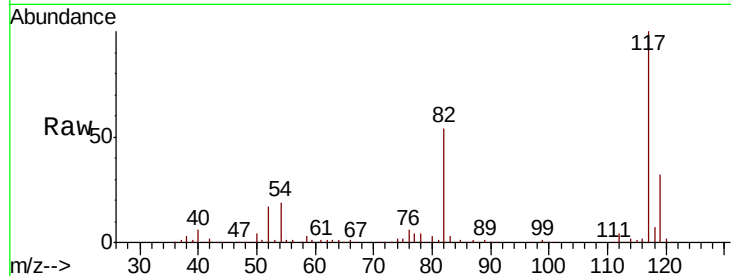
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS03

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.4	63.6
119	32.4	25.8	38.8

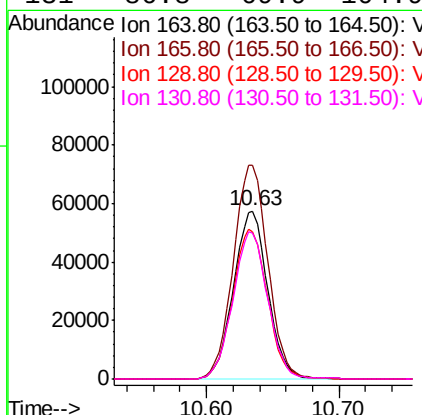
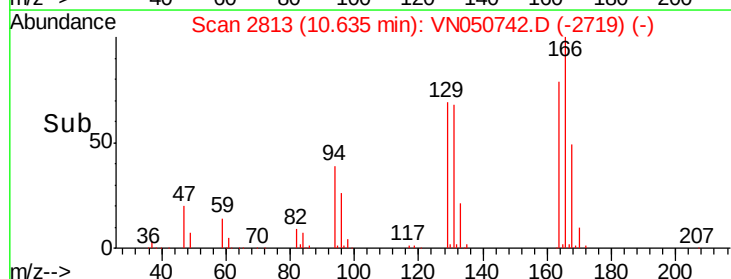
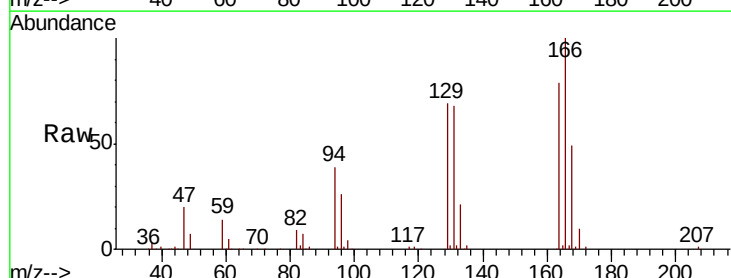
Manual Integrations
APPROVED

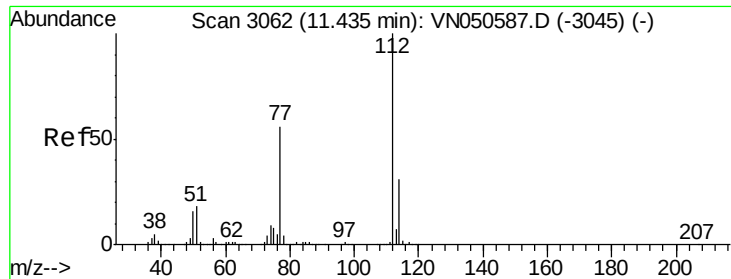
MMDadoda
8/20/2018 10:53:27 AM



#64
Tetrachloroethene
Concen: 17.26 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.1	153.1
129	87.6	72.7	109.1
131	86.8	69.9	104.9





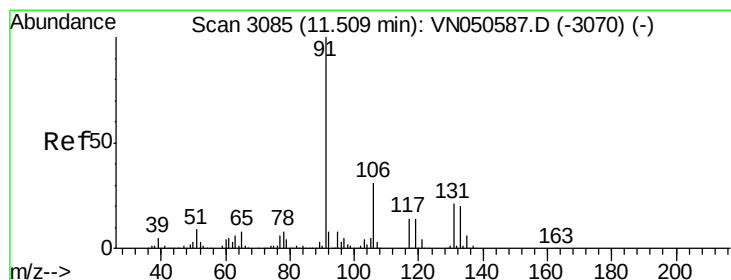
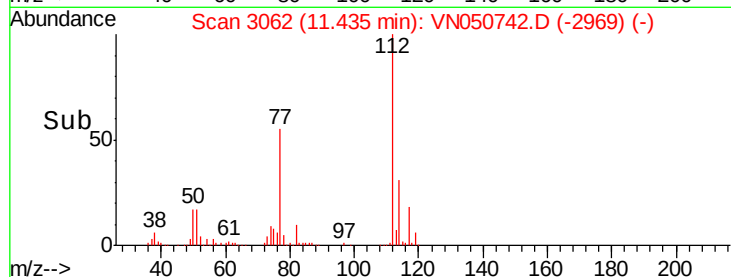
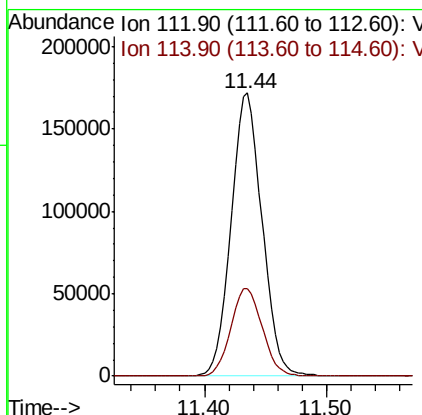
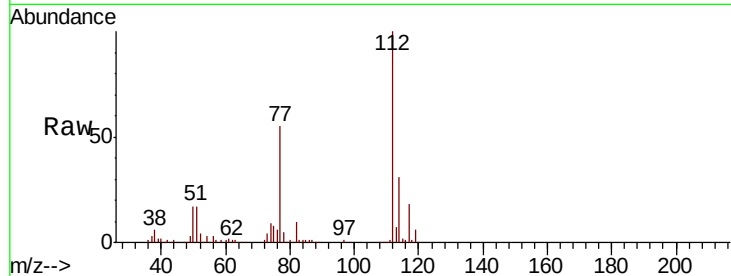
#65
Chlorobenzene
Concen: 18.97 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS03

Tot Ion	Ratio	Resp	Lower	Upper
112	100	302592		
114	30.9	25.2	37.8	

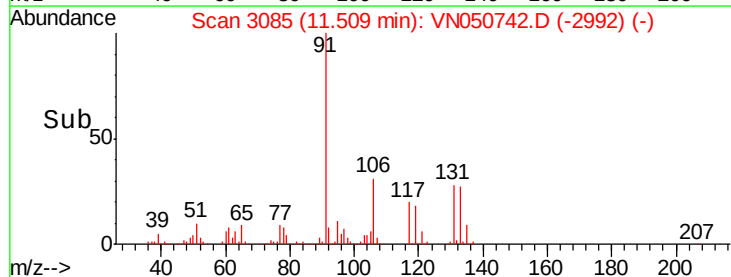
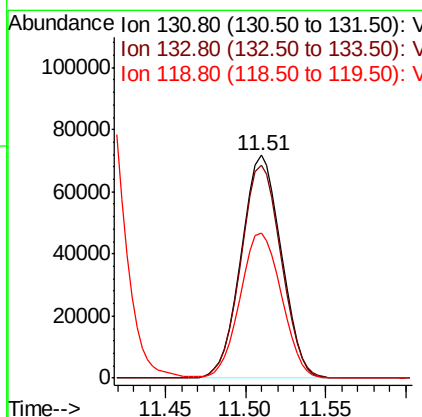
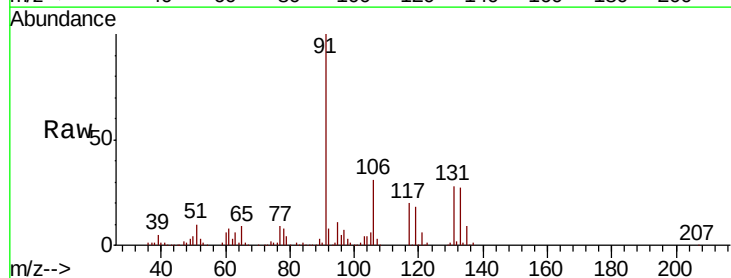
Manual Integrations
APPROVED

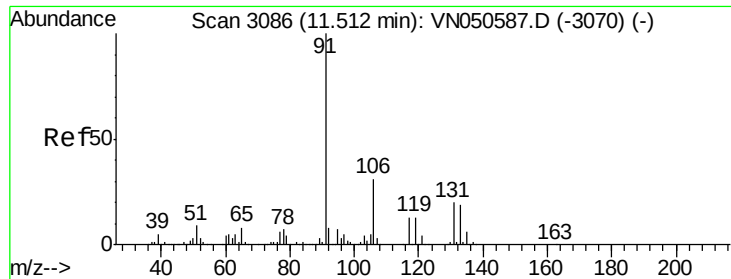
MMDadoda
8/20/2018 10:53:27 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.52 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	122693		
133	96.5	47.6	142.9	
119	67.2	33.1	99.3	





#67

Ethyl Benzene

Concen: 17.29 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampled :

VN0817WBS03

Tot Ion: 91 Resp: 445277

Ion Ratio Lower Upper

91 100

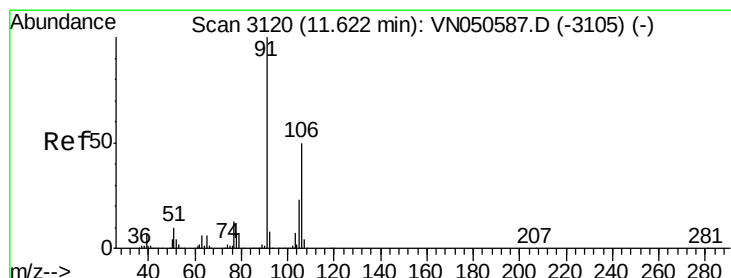
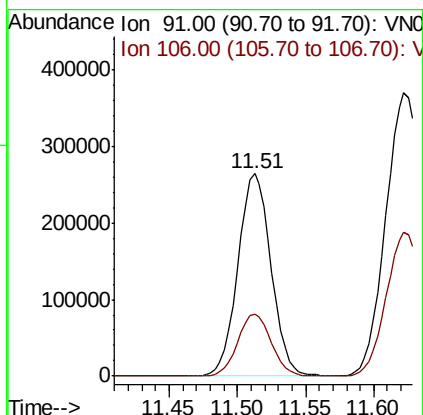
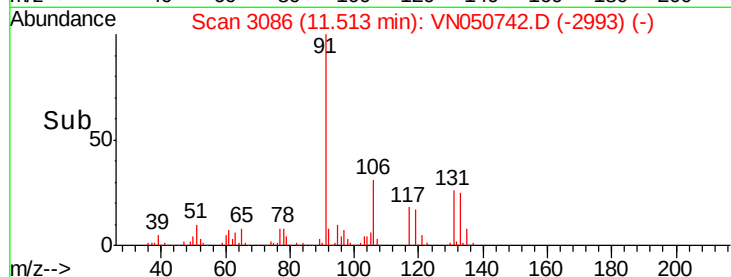
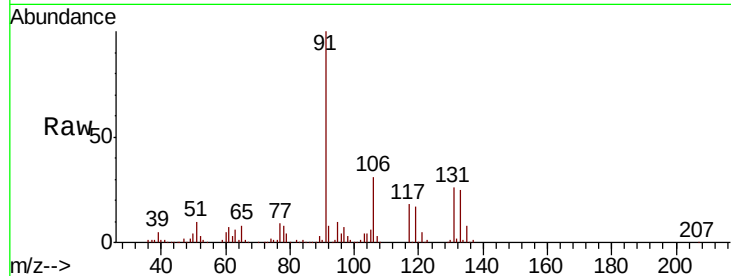
106 30.9 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

8/20/2018 10:53:27 AM



#68

m/p-Xylenes

Concen: 36.03 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050742.D

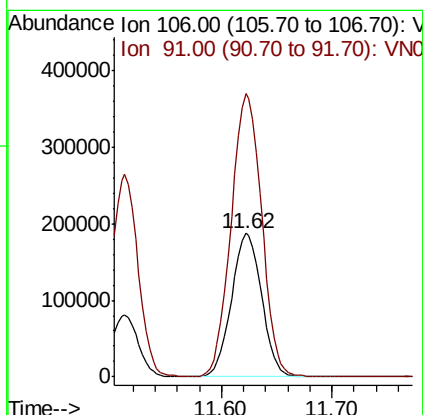
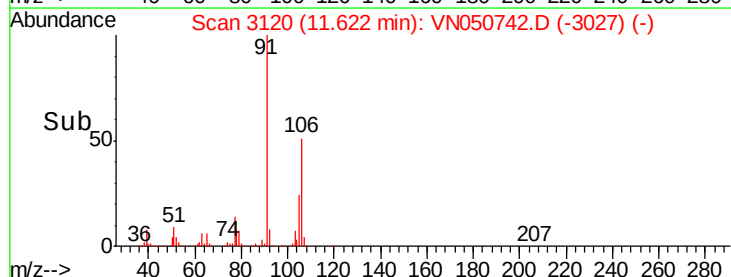
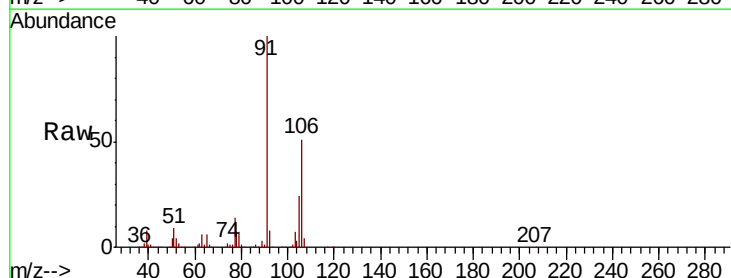
Acq: 18 Aug 2018 1:16

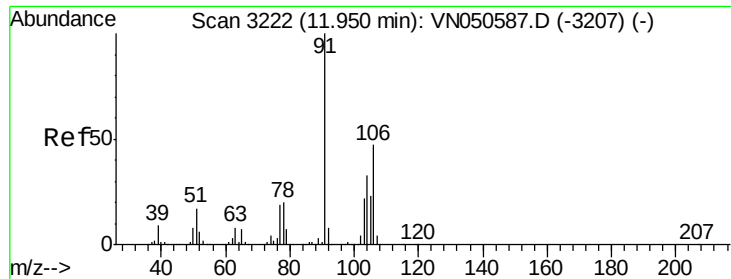
Tgt Ion: 106 Resp: 354848

Ion Ratio Lower Upper

106 100

91 199.9 161.5 242.3





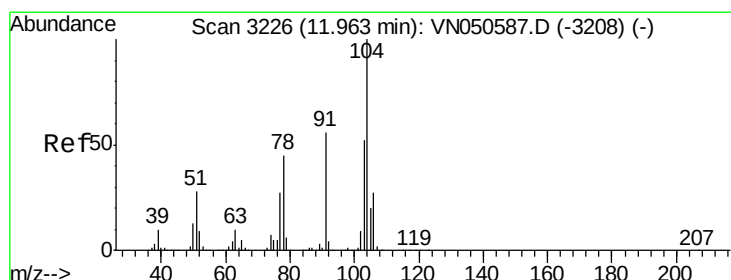
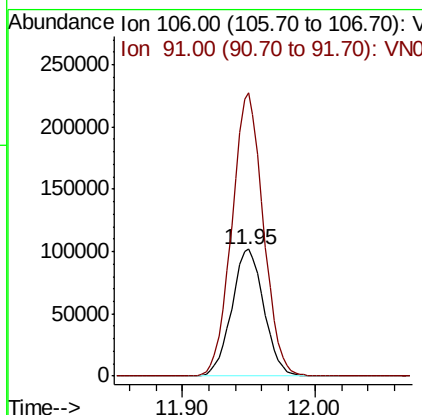
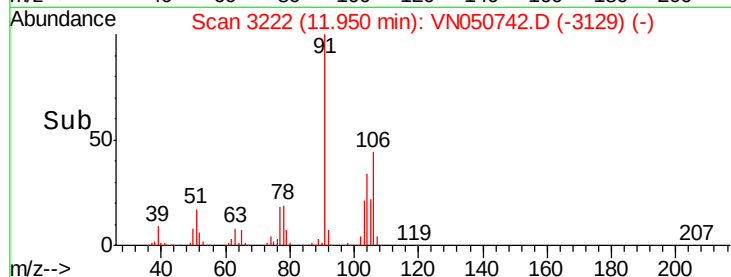
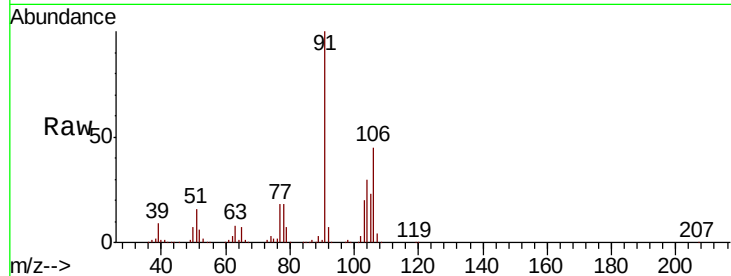
#69
o-Xylene
Concen: 18.28 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	217.6	106.8	320.4		

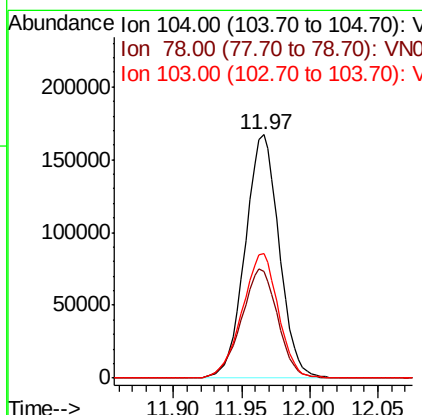
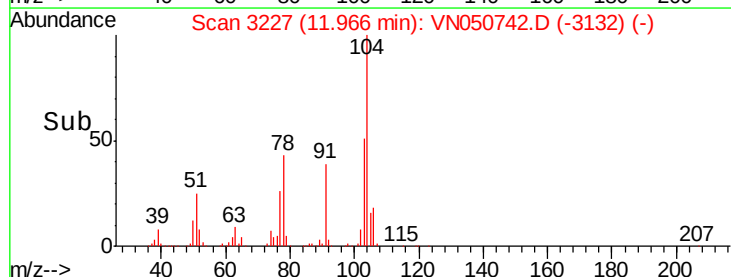
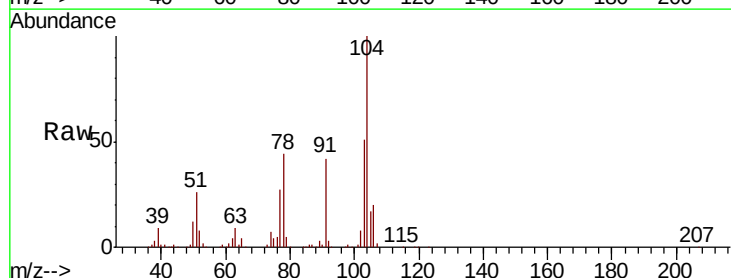
Manual Integrations
APPROVED

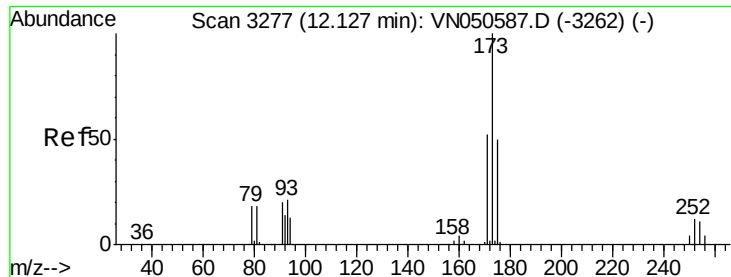
MMDadoda
8/20/2018 10:53:27 AM



#70
Styrene
Concen: 17.91 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.2	39.1	58.7		
103	54.8	44.9	67.3		





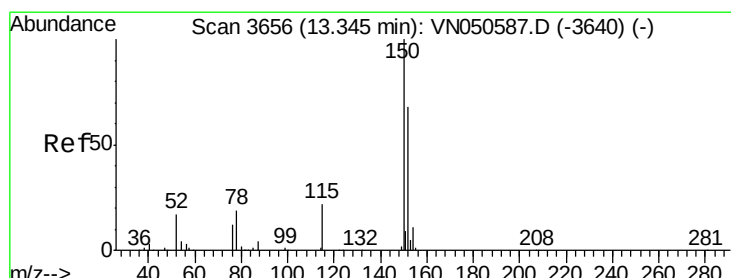
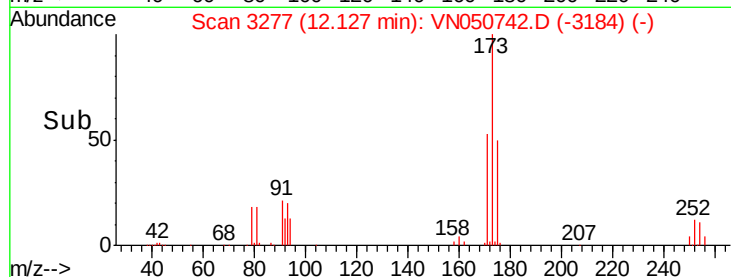
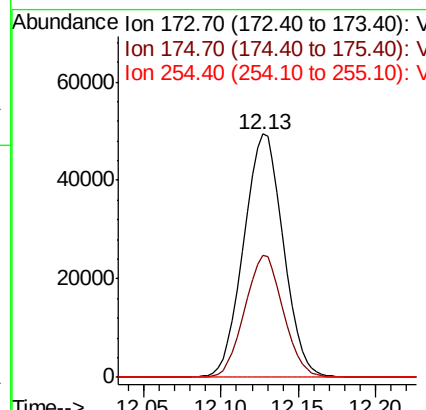
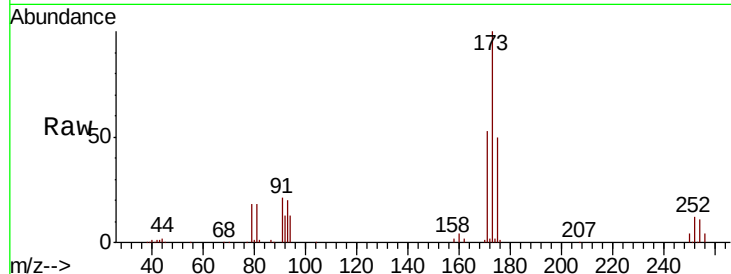
#71
Bromoform
Concen: 22.27 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS03

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.0	0.0	0.0

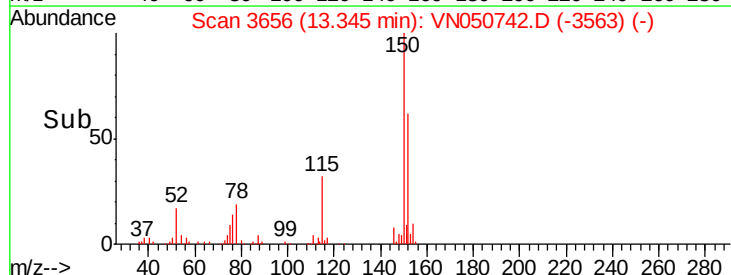
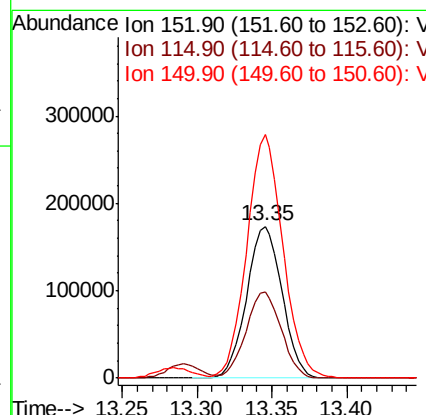
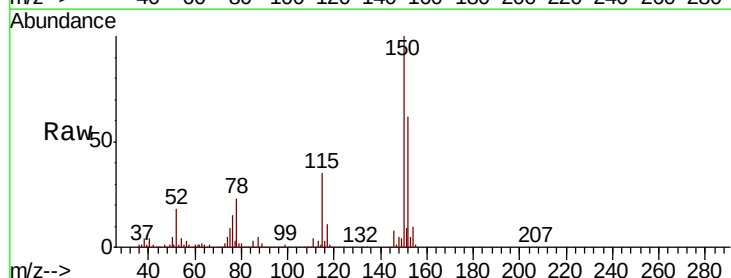
Manual Integrations
APPROVED

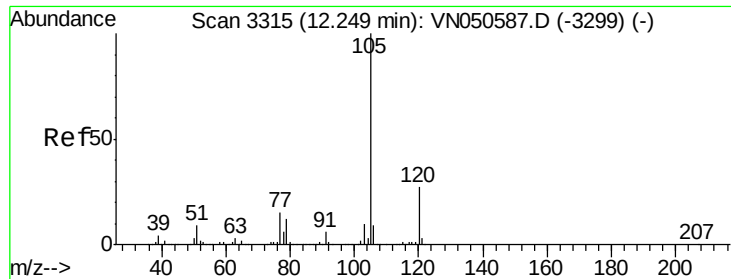
MMDadoda
8/20/2018 10:53:27 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.1	84.2
150	163.4	0.0	347.8





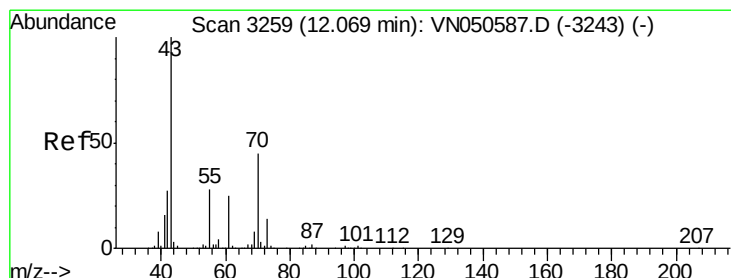
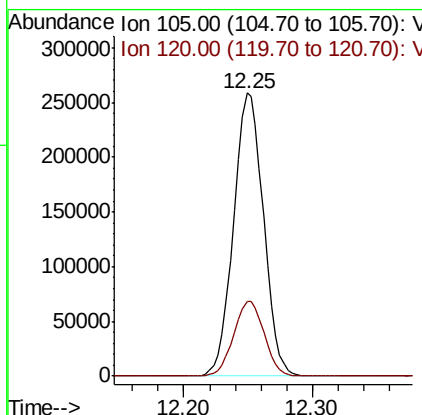
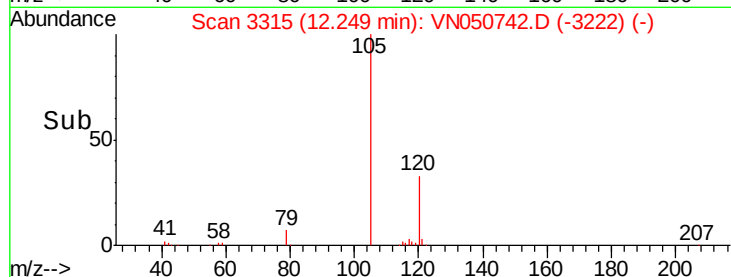
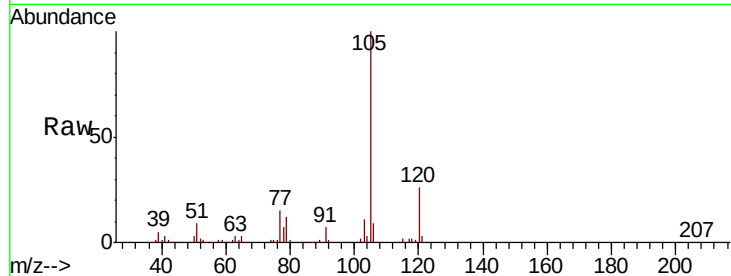
#73
Isopropylbenzene
Concen: 18.59 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampled :
VN0817WBS03

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.4	40.1

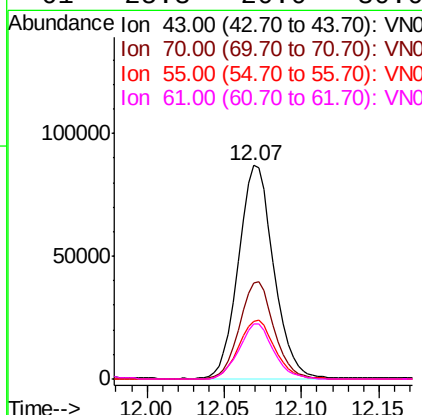
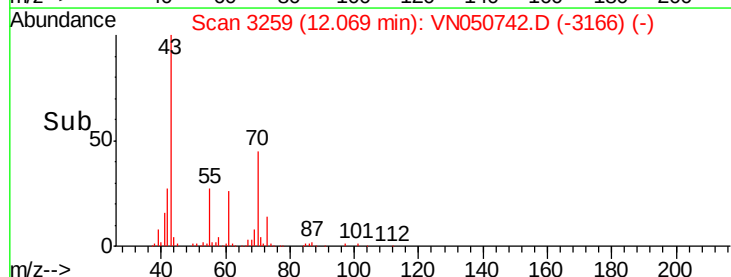
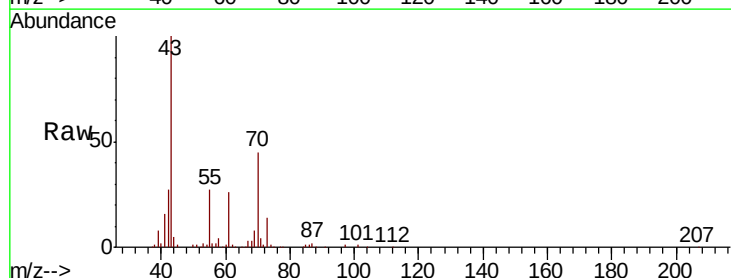
Manual Integrations
APPROVED

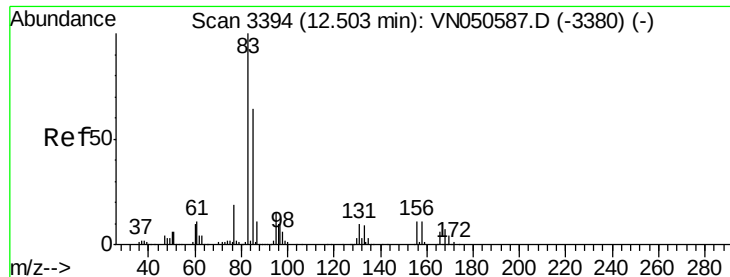
MMDadoda
8/20/2018 10:53:27 AM



#74
N-ethyl acetate
Concen: 23.54 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.8	35.9	53.9
55	28.5	22.2	33.4
61	25.3	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 28.31 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

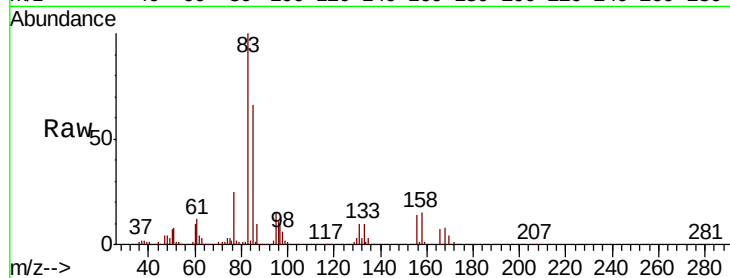
ClientSampleId :

VN0817WBS03

Tot Ion:	83	Resp:	152297
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	64.6	32.1	96.5

Manual Integrations
APPROVED

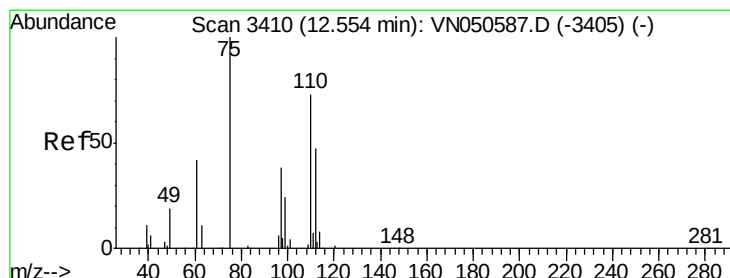
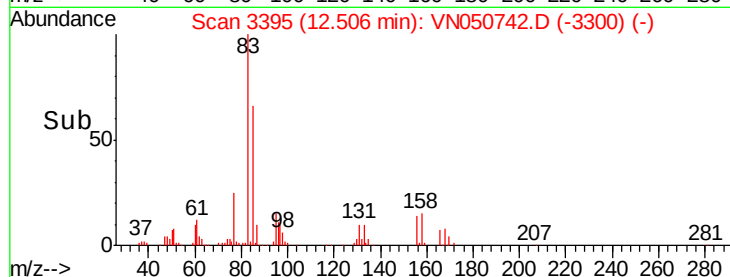
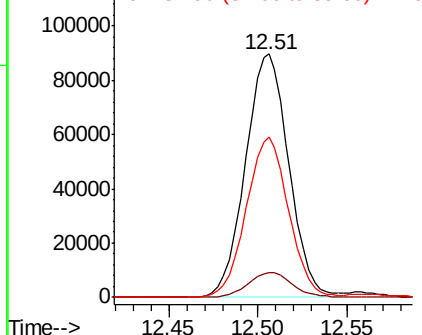
MMDadoda
8/20/2018 10:53:27 AM



Abundance Ion 82.90 (82.60 to 83.60): VN050587.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050587.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050587.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 25.68 ug/l m

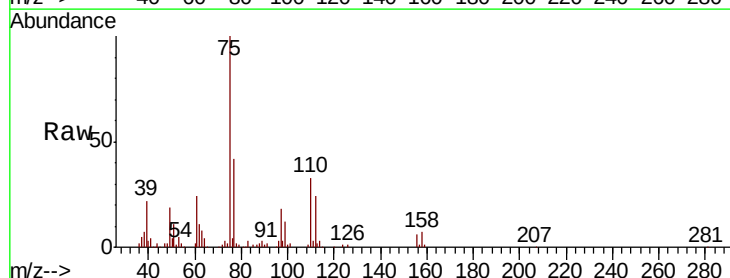
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050742.D

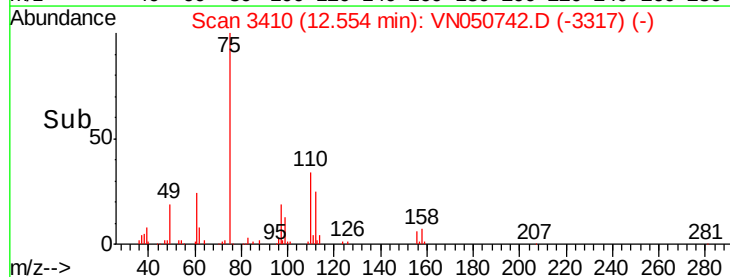
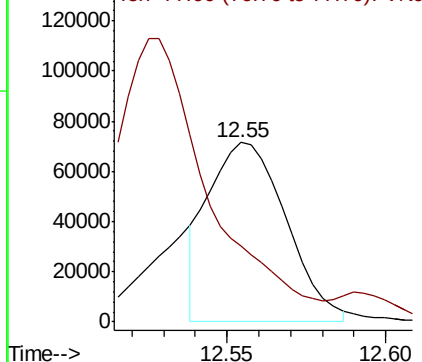
Acq: 18 Aug 2018 1:16

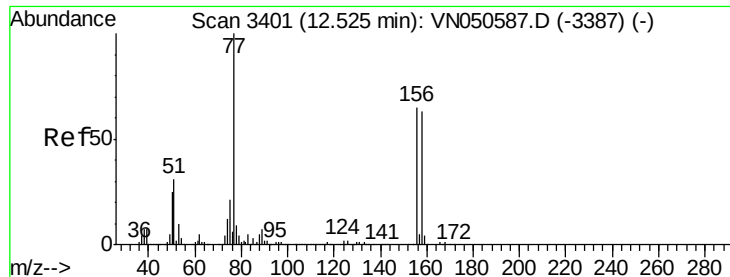
Tgt Ion:	75	Resp:	121132
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050587.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN050587.D (-3405) (-)





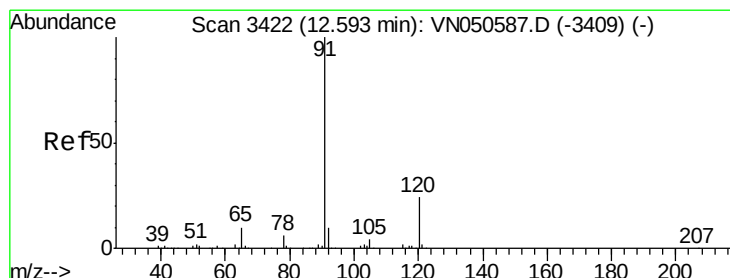
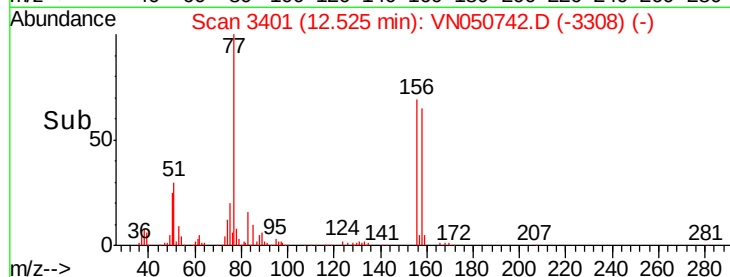
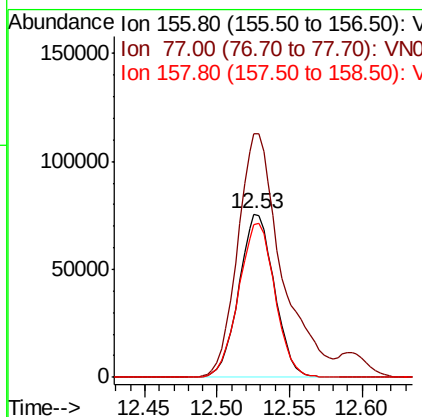
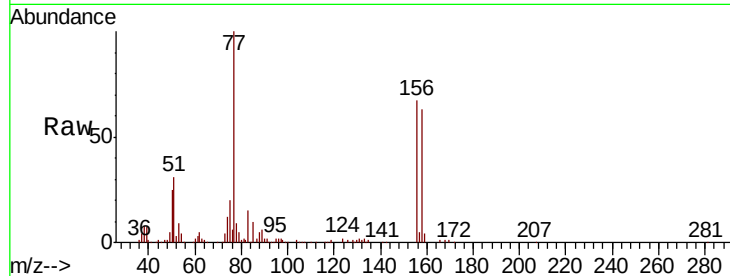
#77
Bromobenzene
Concen: 21.21 ug/l
RT: 12.53 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampled :
VN0817WBS03

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.8	89.0	267.1
158	96.0	48.5	145.6

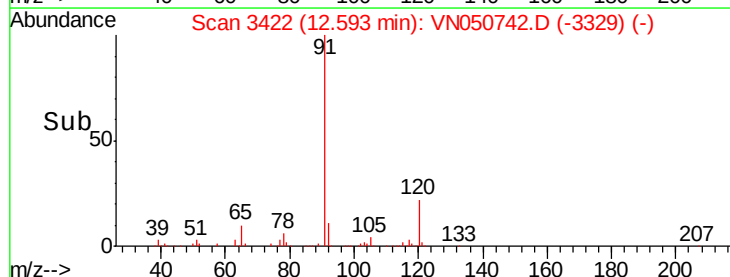
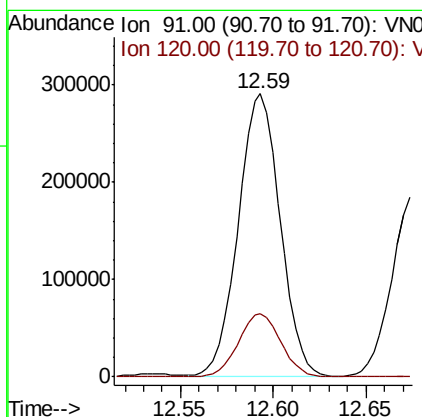
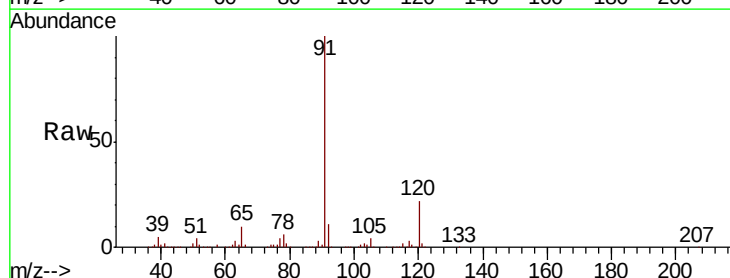
Manual Integrations
APPROVED

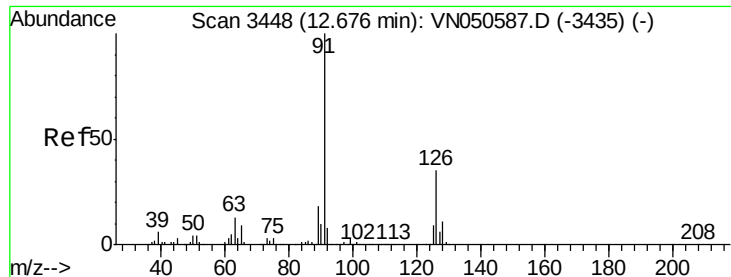
MMDadoda
8/20/2018 10:53:27 AM



#78
n-propylbenzene
Concen: 18.22 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.8	35.4





#79

2-Chlorotoluene

Concen: 19.81 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampled :

VN0817WBS03

Tot Ion: 91 Resp: 308096

Ion Ratio Lower Upper

91 100

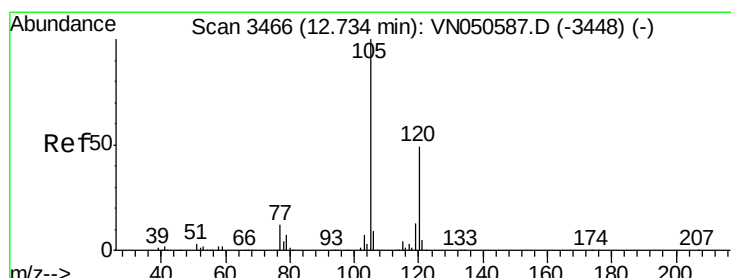
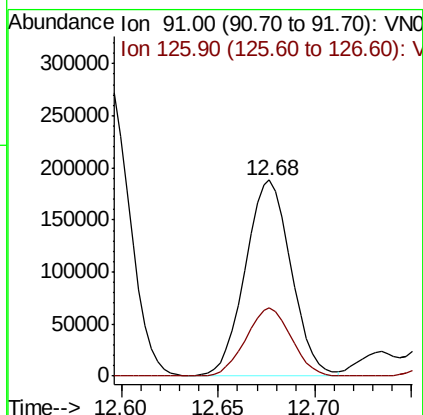
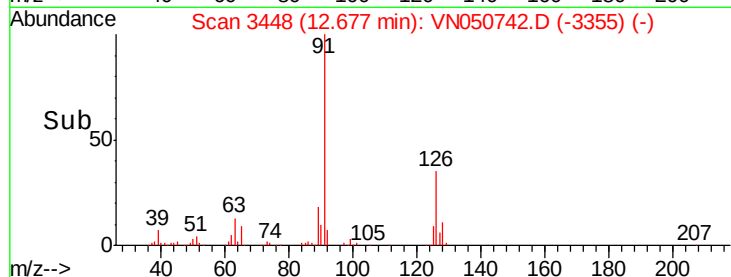
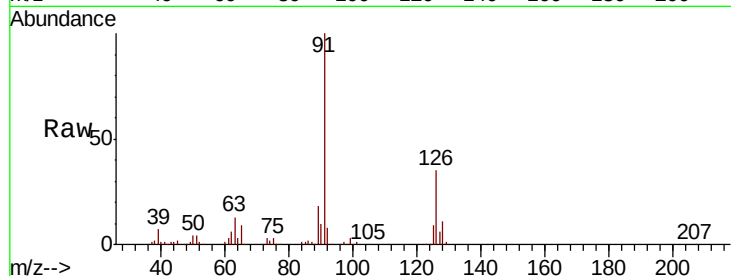
126 35.0 17.6 52.8

Manual Integrations

APPROVED

MMDadoda

8/20/2018 10:53:27 AM



#80

1,3,5-Trimethylbenzene

Concen: 19.37 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050742.D

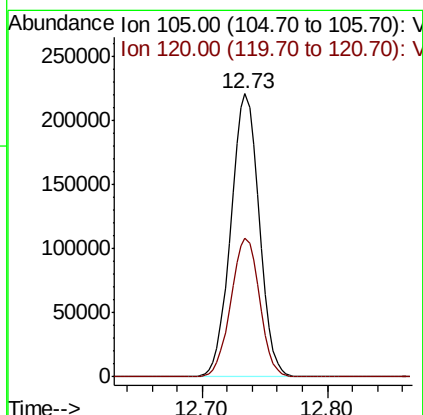
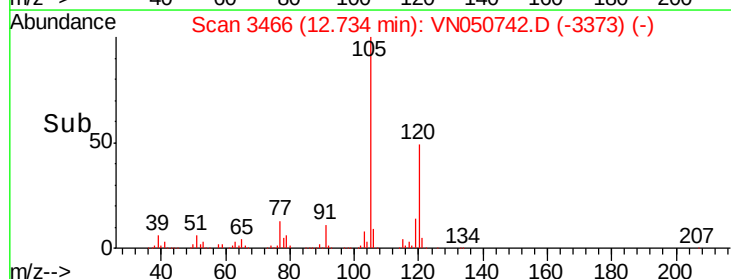
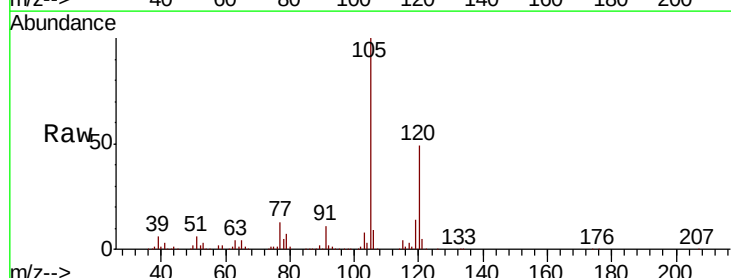
Acq: 18 Aug 2018 1:16

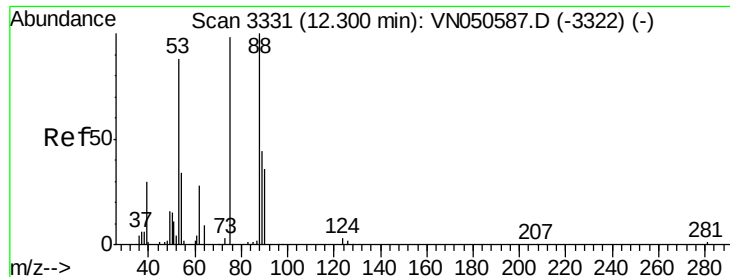
Tgt Ion: 105 Resp: 346899

Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 21.61 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS03

Tot Ion: 75 Resp: 27830

Ion Ratio Lower Upper

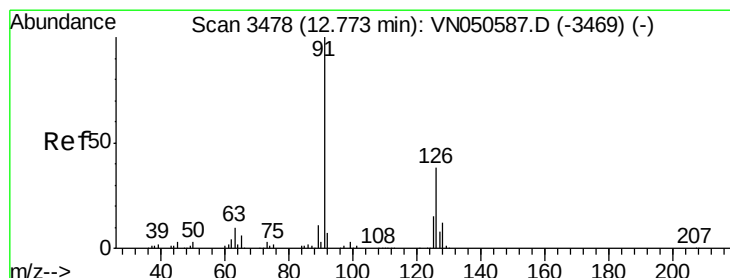
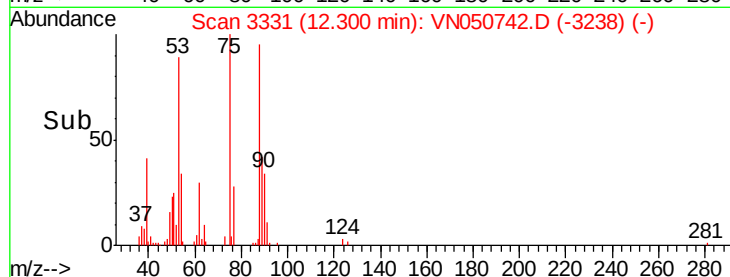
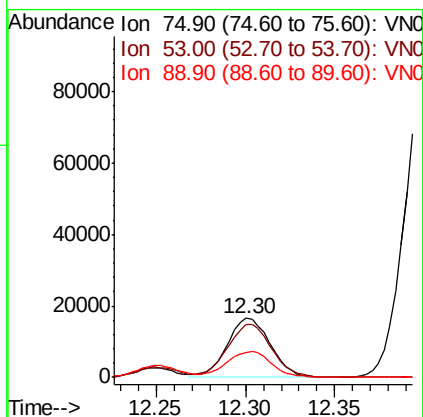
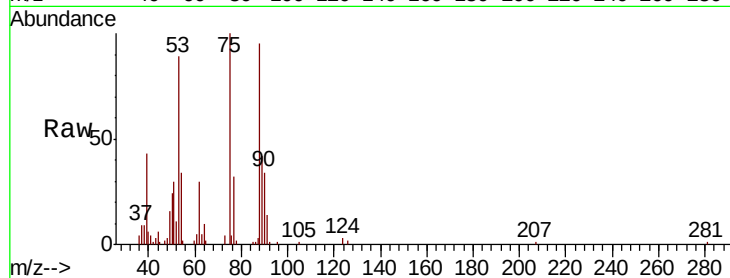
75 100

53 92.0 72.2 108.2

89 45.3 36.3 54.5

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:27 AM



#82

4-Chlorotoluene

Concen: 19.64 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050742.D

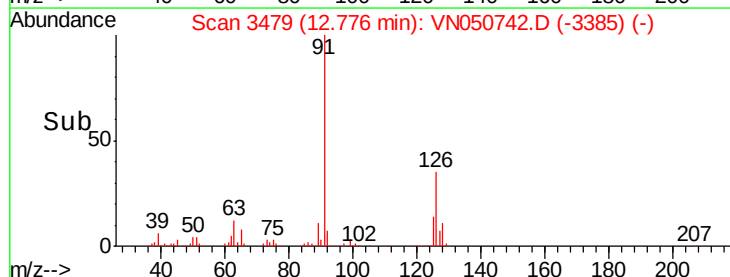
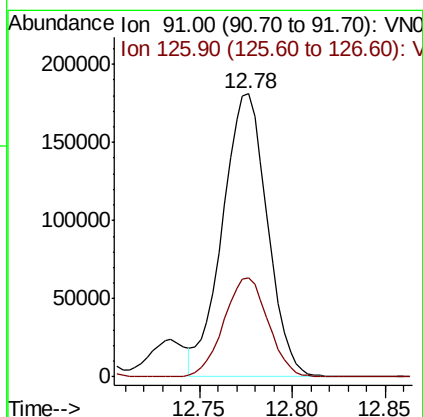
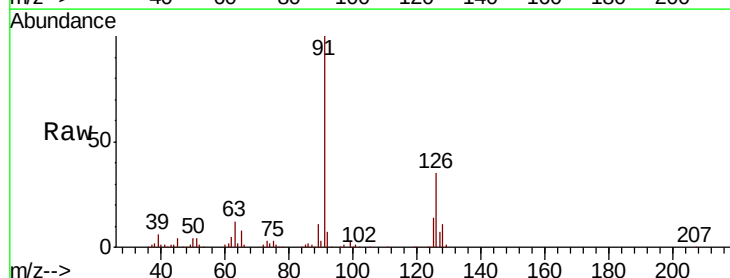
Acq: 18 Aug 2018 1:16

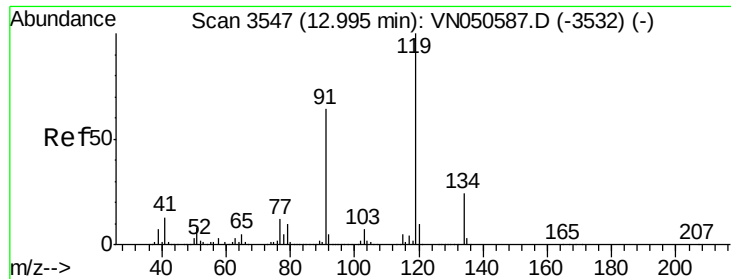
Tgt Ion: 91 Resp: 301862

Ion Ratio Lower Upper

91 100

126 34.9 17.3 52.0





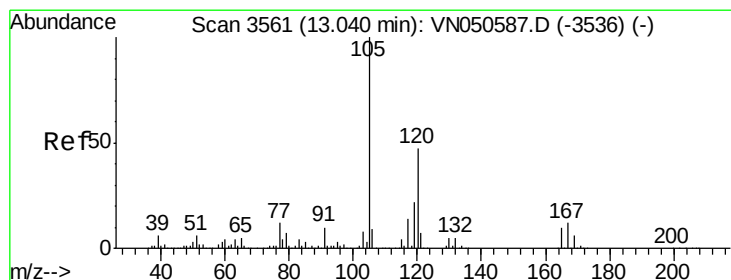
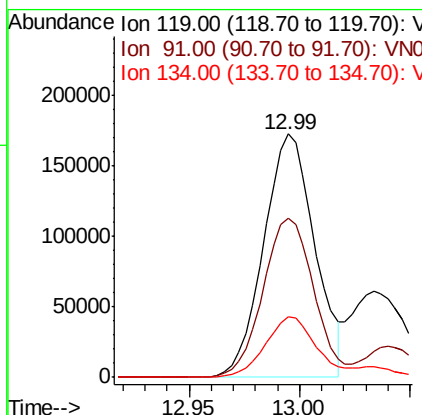
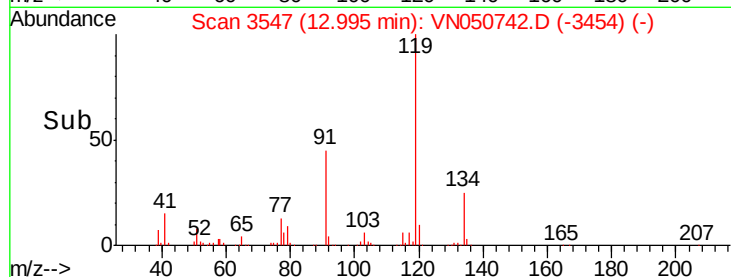
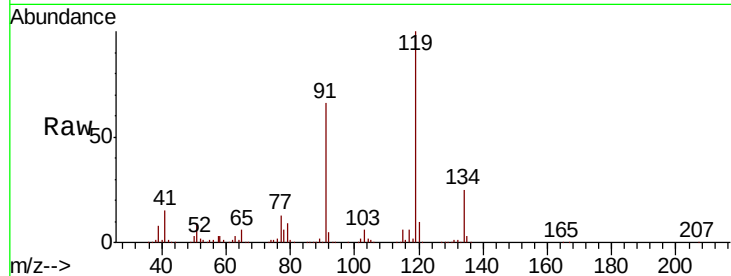
#83
 tert-Butylbenzene
 Concen: 17.80 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	276703		
91	65.6		32.2	96.6
134	24.9		13.4	40.2

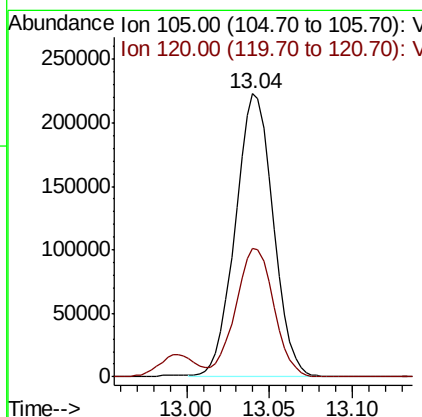
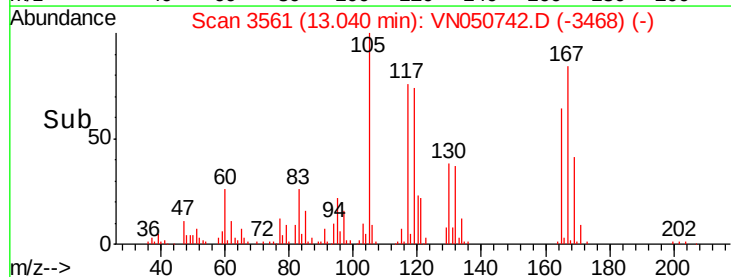
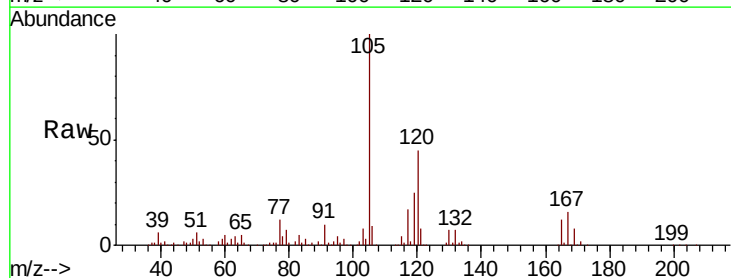
Manual Integrations
 APPROVED

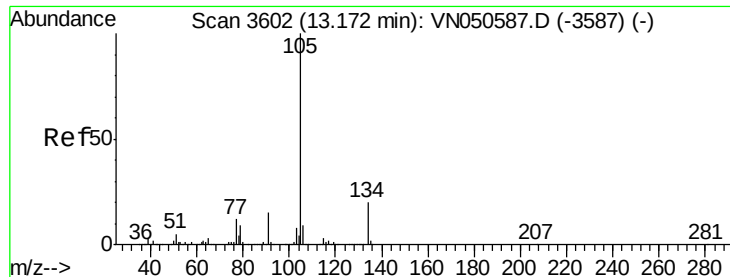
MMDadoda
 8/20/2018 10:53:27 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.60 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	352457		
120	46.4		23.2	69.5





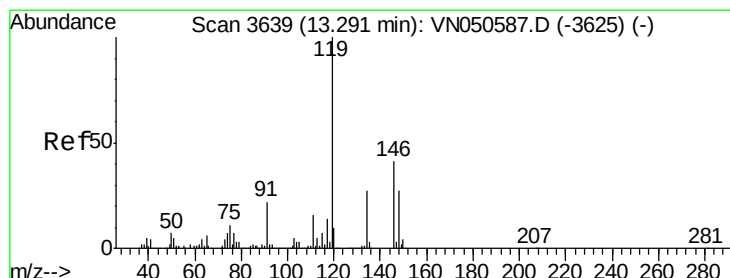
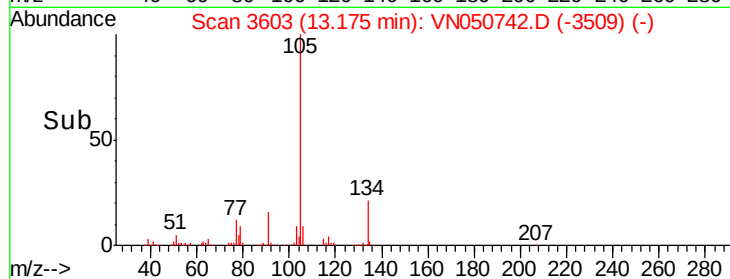
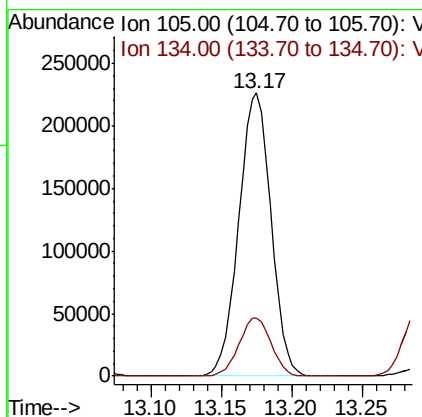
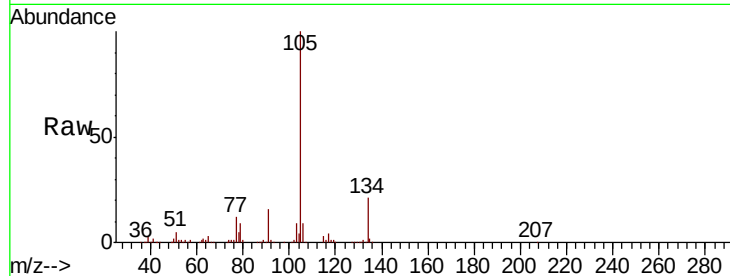
#85
 sec-Butylbenzene
 Concen: 17.87 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS03

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.1	30.3

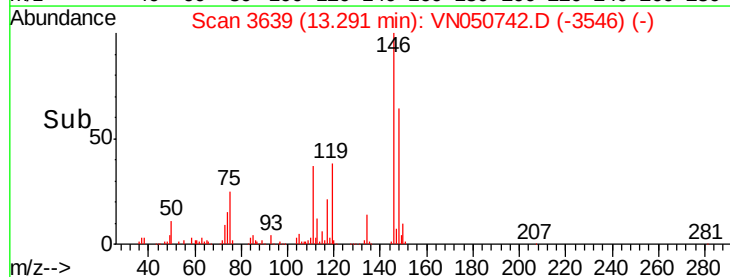
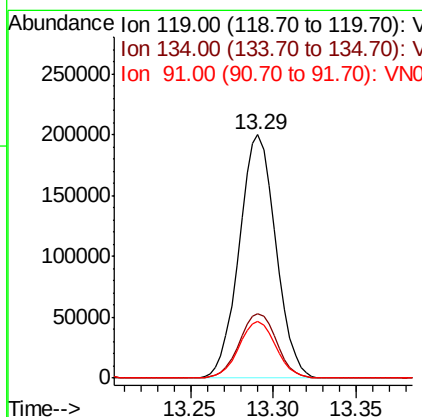
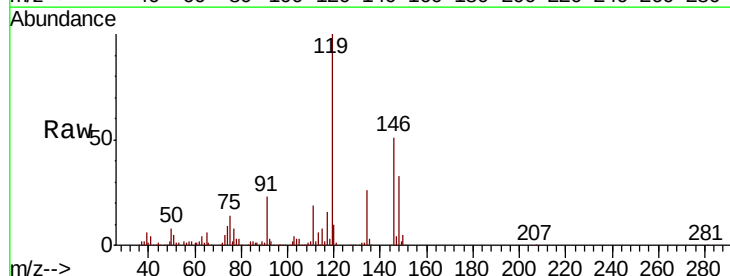
Manual Integrations
 APPROVED

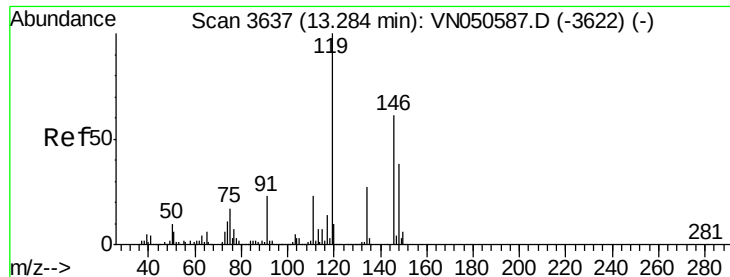
MMDadoda
 8/20/2018 10:53:27 AM



#86
 p-Isopropyltoluene
 Concen: 17.81 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.5	40.4
91	23.2	11.2	33.6





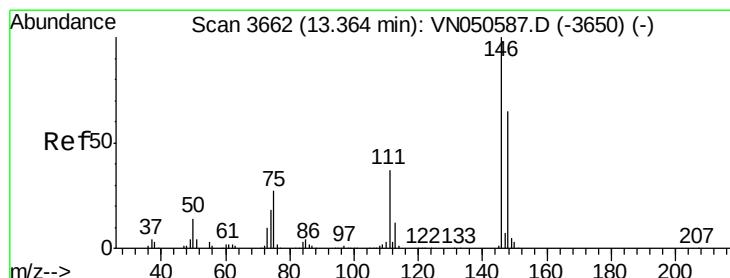
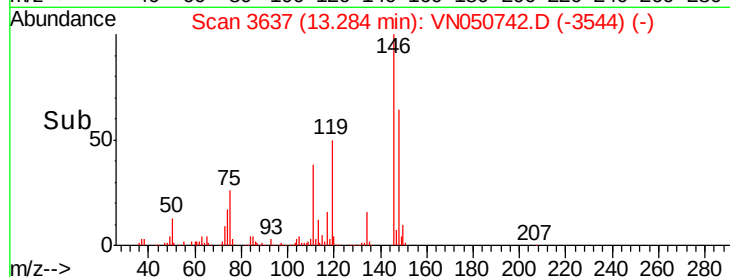
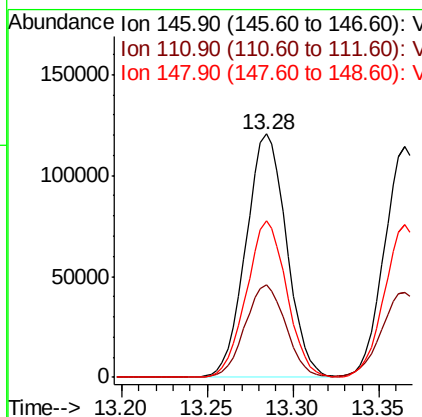
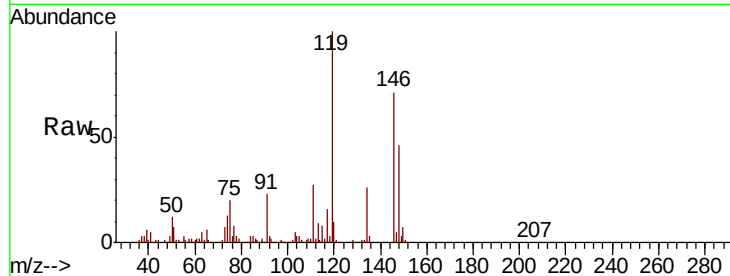
#87
 1,3-Dichlorobenzene
 Concen: 19.20 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	198563		
111	37.9	19.2	57.6	
148	63.6	31.9	95.7	

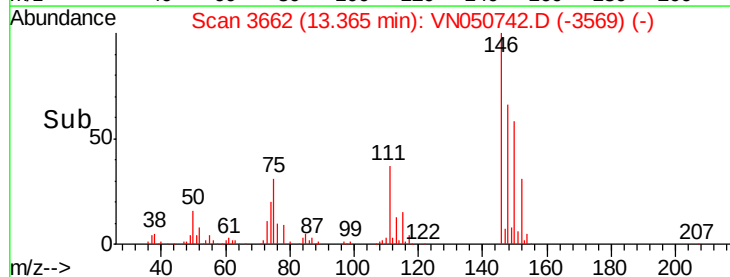
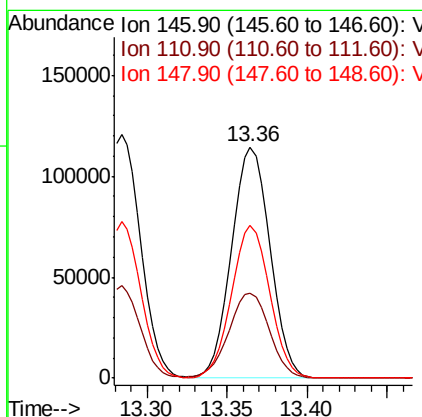
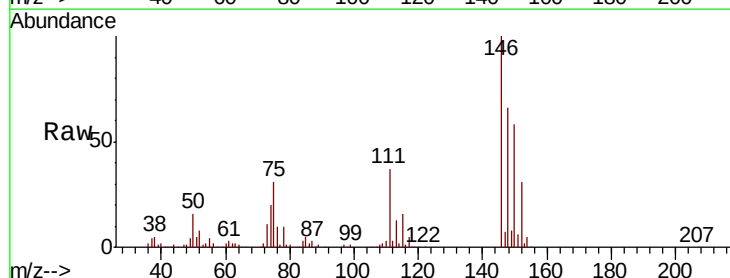
Manual Integrations
 APPROVED

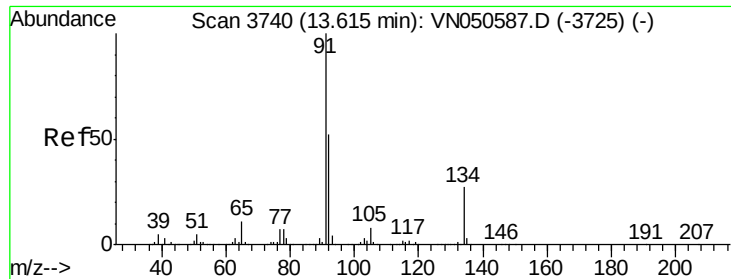
MMDadoda
 8/20/2018 10:53:27 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.30 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	187791		
111	38.9	18.8	56.4	
148	65.6	32.3	96.8	





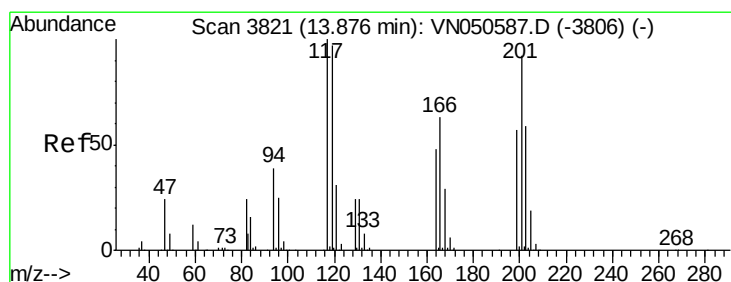
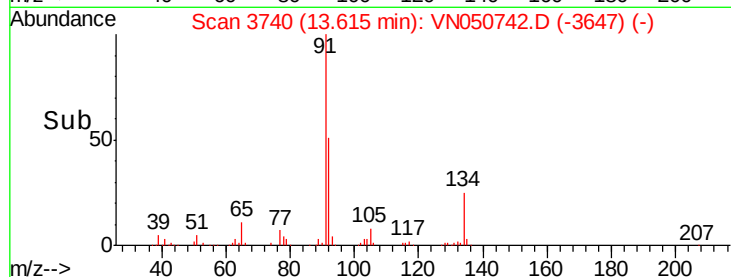
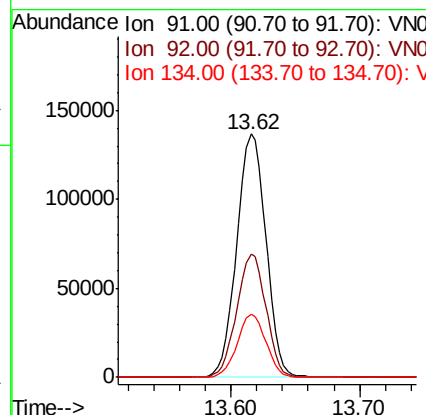
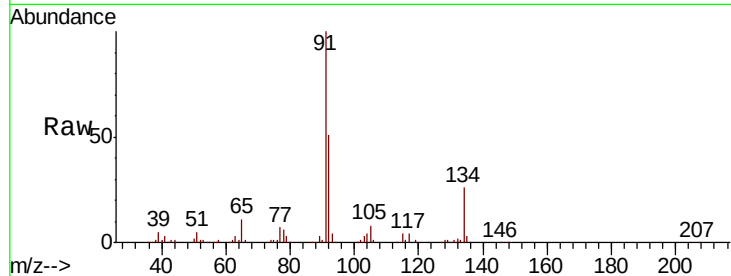
#89
n-Butylbenzene
Concen: 15.54 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS03

Tot Ion	Ratio	Resp	Lower	Upper
91	100	216059		
92	50.3		26.3	78.8
134	25.4		13.3	39.9

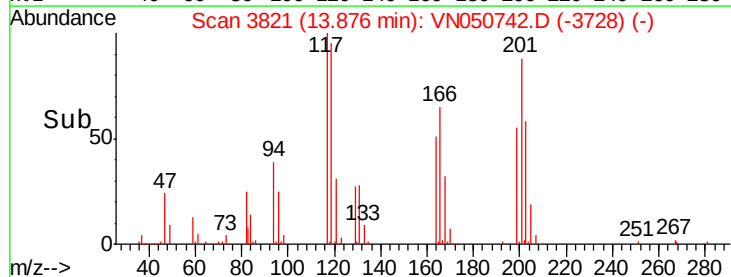
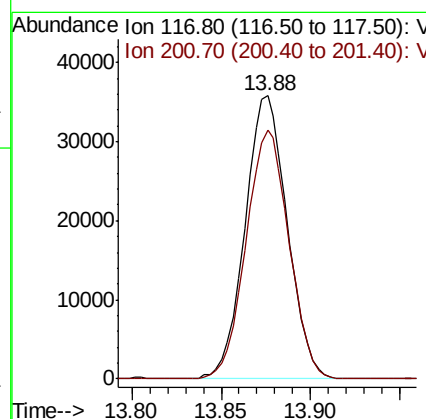
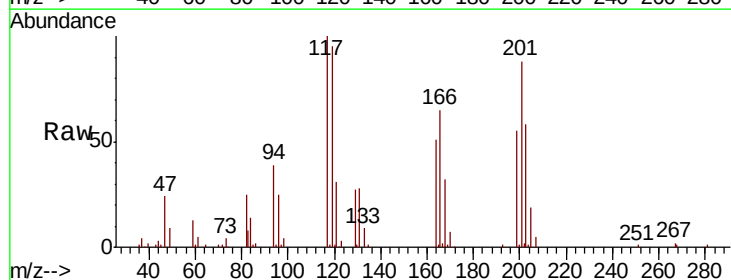
Manual Integrations
APPROVED

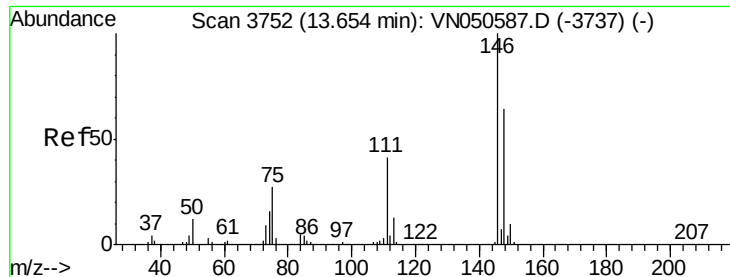
MMDadoda
8/20/2018 10:53:27 AM



#90
Hexachloroethane
Concen: 17.12 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050742.D
Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	59279		
201	89.1		45.5	136.5





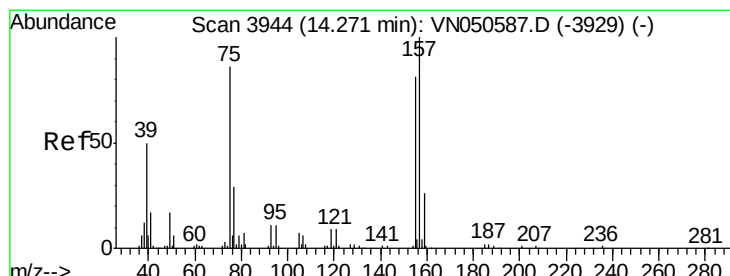
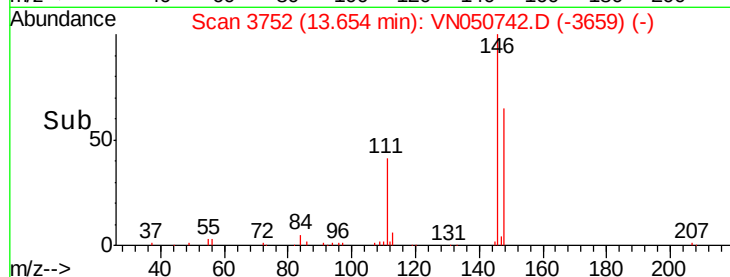
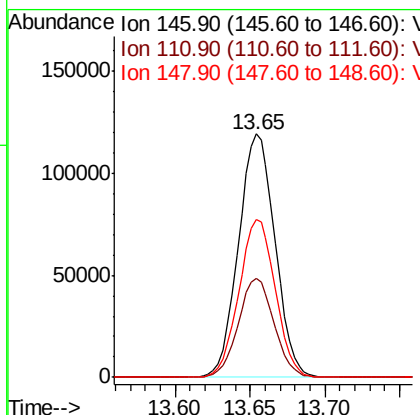
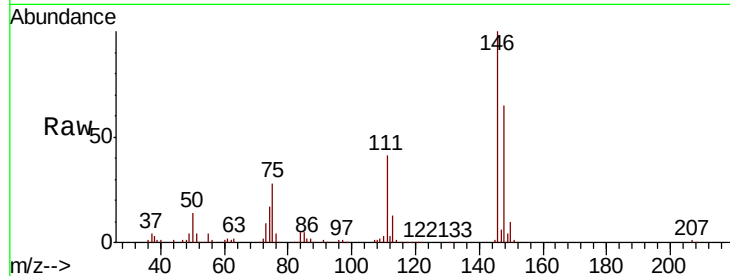
#91
 1,2-Dichlorobenzene
 Concen: 20.05 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.4
148	64.7	32.3	96.8

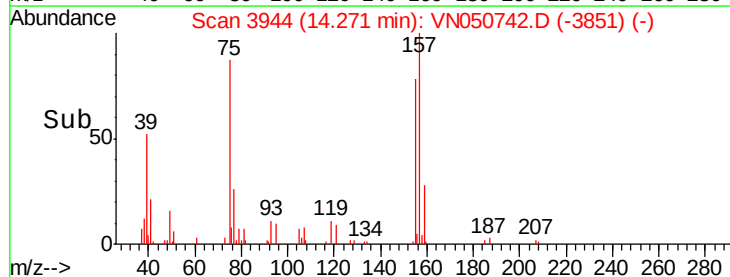
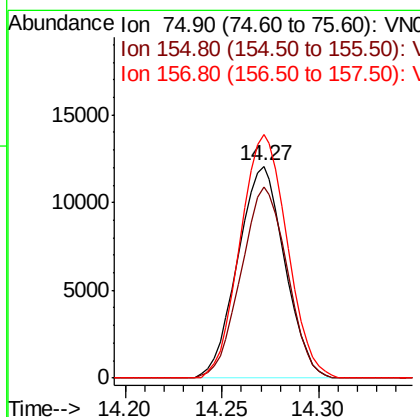
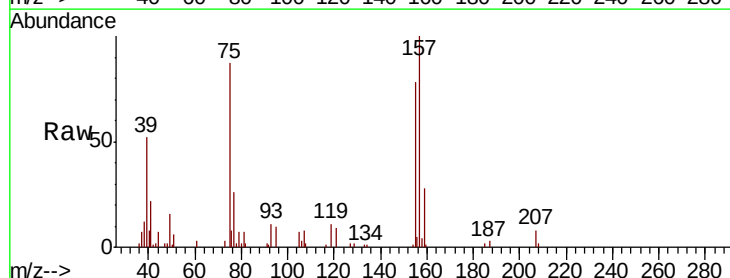
Manual Integrations
 APPROVED

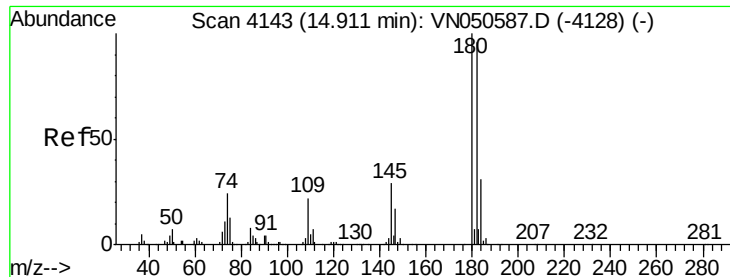
MMDadoda
 8/20/2018 10:53:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.58 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	46.6	139.8
157	114.8	58.1	174.2





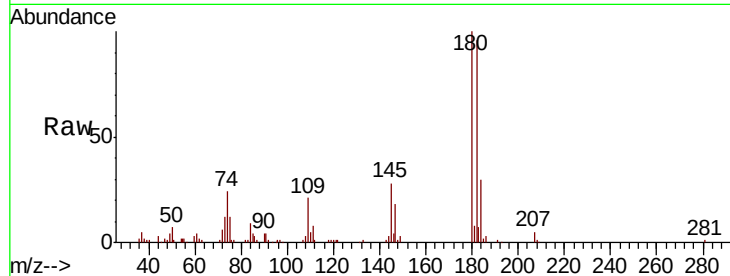
#93
 1,2,4-Trichlorobenzene
 Concen: 15.64 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS03

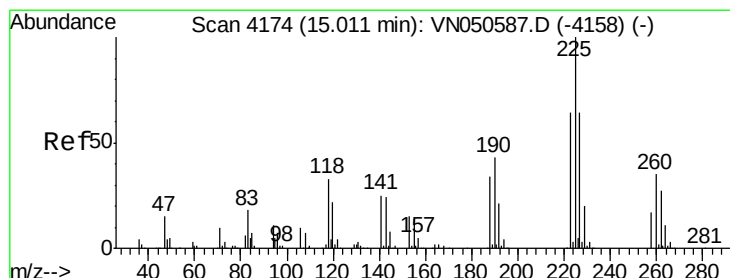
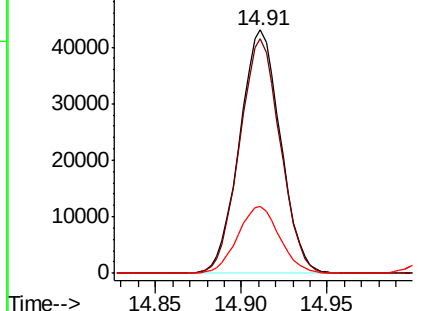
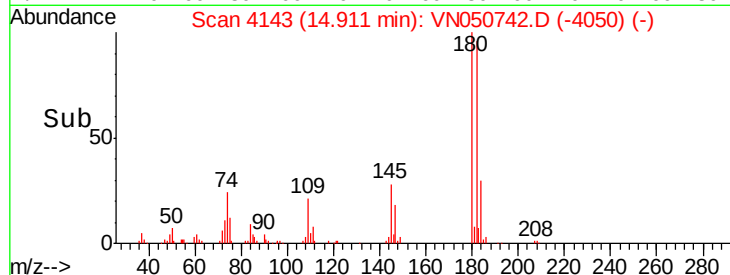
Tot Ion:	180	Resp:	70902
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.7
145	28.1	14.4	43.4

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 10:53:27 AM

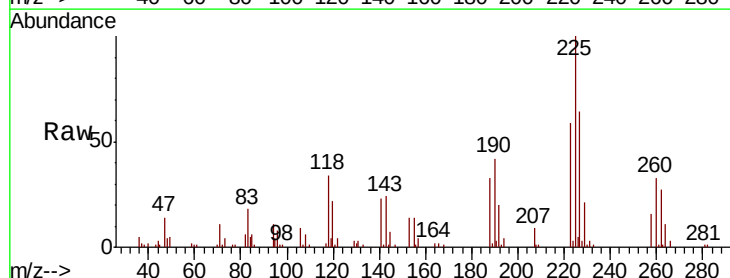


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

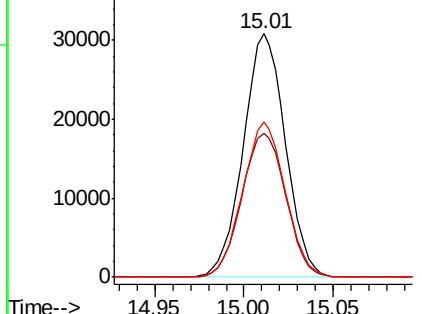
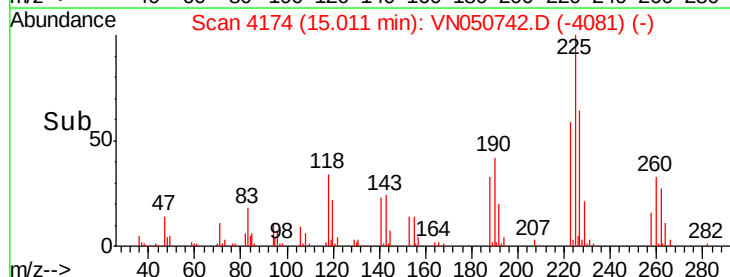


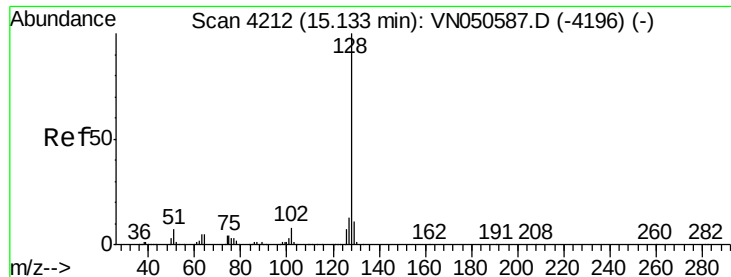
#94
 Hexachlorobutadiene
 Concen: 16.43 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050742.D
 Acq: 18 Aug 2018 1:16

Tgt Ion:	225	Resp:	50817
Ion Ratio	Lower	Upper	
225	100		
223	61.3	32.1	96.3
227	64.3	32.0	96.2



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: 16.71 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Instrument :

MSVOA_N

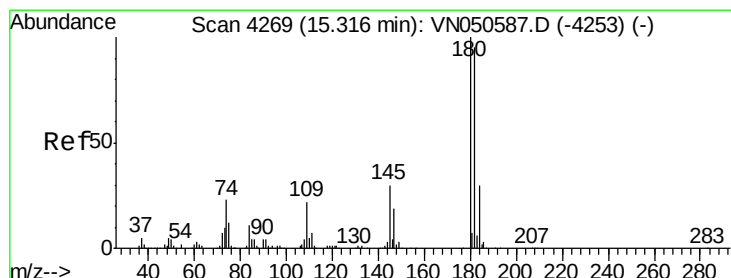
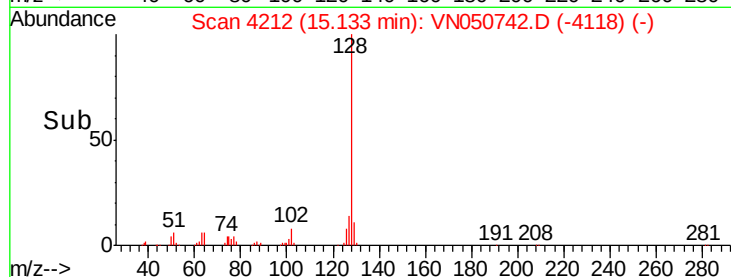
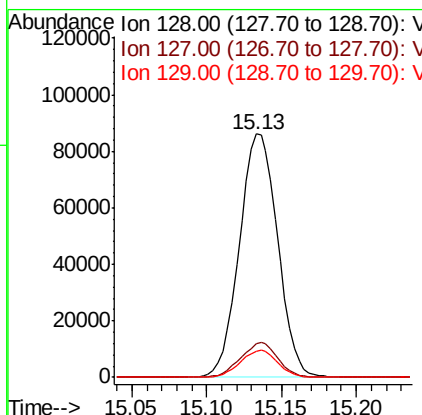
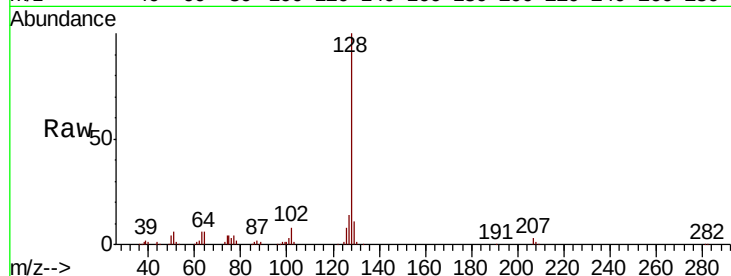
ClientSampleId :

VN0817WBS03

Tot Ion:	128	Resp:	153331
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.3	15.5
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:53:27 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.21 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050742.D

Acq: 18 Aug 2018 1:16

Tgt Ion:	180	Resp:	76817
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	141.8
145	30.4	14.6	44.0

