

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050676.D
 Acq On : 16 Aug 2018 1:07
 Operator : MD\SY
 Sample : VN0815WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS03

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:19:12 PM

Quant Time: Aug 16 05:09:43 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	617058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	912231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	826462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	404782	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	405036	52.07	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.14%		
35) Dibromofluoromethane	7.59	113	372298	51.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.24%		
50) Toluene-d8	10.09	98	1383712	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.96%		
62) 4-Bromofluorobenzene	12.40	95	434175	47.95	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.90%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	133090	19.13	ug/l	99
3) Chloromethane	2.06	50	173237	20.14	ug/l	100
4) Vinyl Chloride	2.18	62	179437	19.42	ug/l	99
5) Bromomethane	2.56	94	100392	18.91	ug/l	98
6) Chloroethane	2.70	64	107925	20.07	ug/l	100
7) Trichlorofluoromethane	3.01	101	238999	19.71	ug/l	99
8) Diethyl Ether	3.41	74	82879	20.55	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	144264	19.67	ug/l	100
10) Methyl Iodide	3.95	142	87779	21.45	ug/l	100
11) Tert butyl alcohol	4.80	59	49529	116.62	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	131568	19.65	ug/l	97
13) Acrolein	3.61	56	14011	79.75	ug/l	99
14) Allyl chloride	4.32	41	196707	18.89	ug/l	100
15) Acrylonitrile	4.99	53	247573	106.14	ug/l	99
16) Acetone	3.82	43	218528	111.72	ug/l	100
17) Carbon Disulfide	4.05	76	400069	18.99	ug/l	100
18) Methyl Acetate	4.33	43	127491	22.80	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	362023	21.24	ug/l	99
20) Methylene Chloride	4.55	84	156192	20.37	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	142362	19.61	ug/l	98
22) Diisopropyl ether	5.96	45	450437	21.09	ug/l	95
23) Vinyl Acetate	5.90	43	1464492	104.85	ug/l	100
24) 1,1-Dichloroethane	5.85	63	273089	19.77	ug/l	99
25) 2-Butanone	6.84	43	345147	108.23	ug/l	100
26) 2,2-Dichloropropane	6.83	77	147408	15.94	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	160125	19.81	ug/l	98
28) Bromochloromethane	7.20	49	127723	20.31	ug/l	98
29) Tetrahydrofuran	7.22	42	188203	113.03	ug/l	100
30) Chloroform	7.37	83	277607	19.83	ug/l	100
31) Cyclohexane	7.66	56	233125	19.56	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	232826	19.76	ug/l	99
36) 1,1-Dichloropropene	7.79	75	200932	19.79	ug/l	99
37) Ethyl Acetate	6.94	43	129692	22.59	ug/l	99
38) Carbon Tetrachloride	7.78	117	207091	19.66	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	203193	19.33	ug/l	97
40) Benzene	8.04	78	628045	20.33	ug/l	100
41) Methacrylonitrile	7.17	41	63822	20.57	ug/l	92
42) 1,2-Dichloroethane	8.13	62	194527	20.55	ug/l	99
43) Isopropyl Acetate	8.17	43	219374	20.97	ug/l #	87
44) Trichloroethene	8.84	130	158741	19.18	ug/l	99
45) 1,2-Dichloropropane	9.12	63	164138	19.96	ug/l	97
46) Dibromomethane	9.21	93	97492	20.08	ug/l	98
47) Bromodichloromethane	9.41	83	203832	19.64	ug/l	98
48) Methyl methacrylate	9.20	41	108533	20.62	ug/l	100
49) 1,4-Dioxane	9.21	88	29644	427.50	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	797808	112.77	ug/l	99
52) Toluene	10.16	92	380805	20.65	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	184799	19.11	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	218142	19.67	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	141273	20.50	ug/l	99
56) Ethyl methacrylate	10.43	69	162335	19.67	ug/l	98
57) 1,3-Dichloropropane	10.71	76	231695	20.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	396383	100.63	ug/l	99
59) 2-Hexanone	10.75	43	504165	110.41	ug/l	99
60) Dibromochloromethane	10.90	129	153832	20.23	ug/l	99
61) 1,2-Dibromoethane	11.01	107	134441	20.49	ug/l	99
64) Tetrachloroethene	10.63	164	157169	20.48	ug/l	99
65) Chlorobenzene	11.44	112	403712	19.63	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	151680	19.67	ug/l	99
67) Ethyl Benzene	11.51	91	660119	19.88	ug/l	99
68) m/p-Xylenes	11.62	106	520990	41.02	ug/l	100
69) o-Xylene	11.95	106	243307	20.09	ug/l	99
70) Styrene	11.97	104	395891	18.97	ug/l	100
71) Bromoform	12.13	173	104823	20.50	ug/l #	98
73) Isopropylbenzene	12.25	105	650131	20.56	ug/l	100
74) N-amyl acetate	12.07	43	171794	20.88	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	175573	22.64	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	141069m	20.97	ug/l	
77) Bromobenzene	12.53	156	166615	19.40	ug/l	98
78) n-propylbenzene	12.59	91	723926	20.53	ug/l	100
79) 2-Chlorotoluene	12.68	91	447862	20.37	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	533127	21.05	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	34908	19.17	ug/l	98
82) 4-Chlorotoluene	12.77	91	442899	20.38	ug/l	100
83) tert-Butylbenzene	12.99	119	445615	20.27	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	538675	21.20	ug/l	100
85) sec-Butylbenzene	13.17	105	592888	20.64	ug/l	100
86) p-Isopropyltoluene	13.29	119	504447	20.73	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	288983	19.77	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	279068	19.24	ug/l	99
89) n-Butylbenzene	13.62	91	373616	19.01	ug/l	98
90) Hexachloroethane	13.88	117	94321	19.27	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	283379	19.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23736	21.04	ug/l	97

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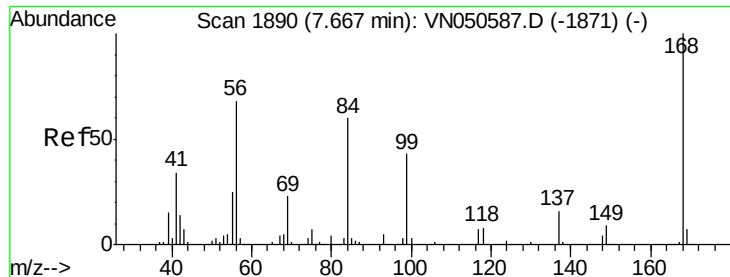
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	115480	17.61	ug/l	99
94) Hexachlorobutadiene	15.01	225	82215	18.80	ug/l	98
95) Naphthalene	15.14	128	229608	17.47	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	118837	18.65	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: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS03

Tot Ion:168 Resp: 617058

Ion Ratio Lower Upper

168 100

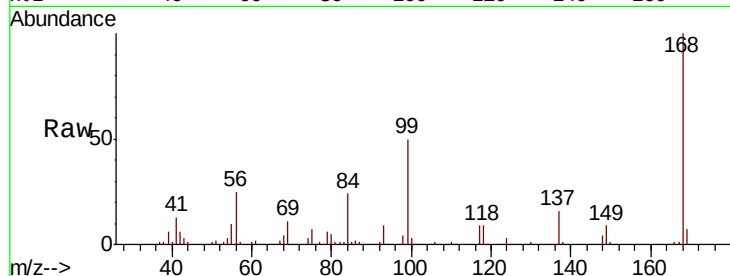
99 50.3 40.8 61.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

100000

50000

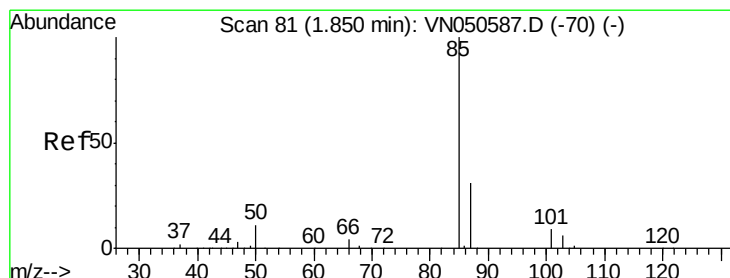
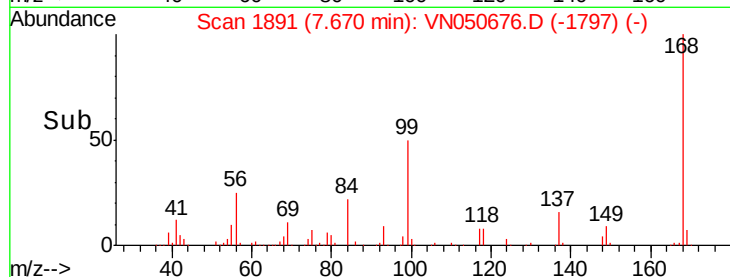
0

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.13 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050676.D

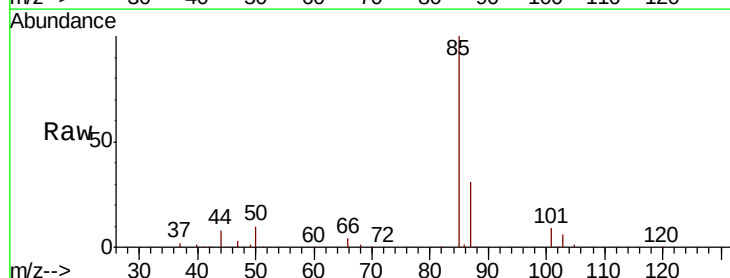
Acq: 16 Aug 2018 1:07

Tgt Ion: 85 Resp: 133090

Ion Ratio Lower Upper

85 100

87 31.1 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

100000

80000

60000

40000

20000

0

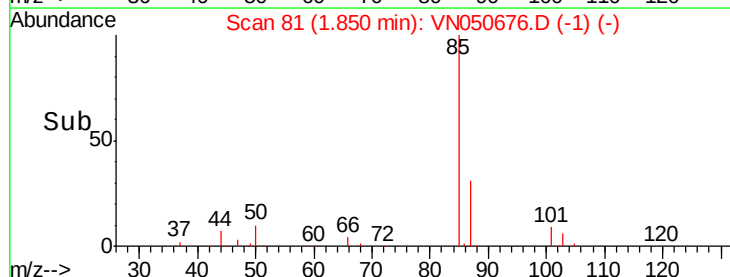
1.80

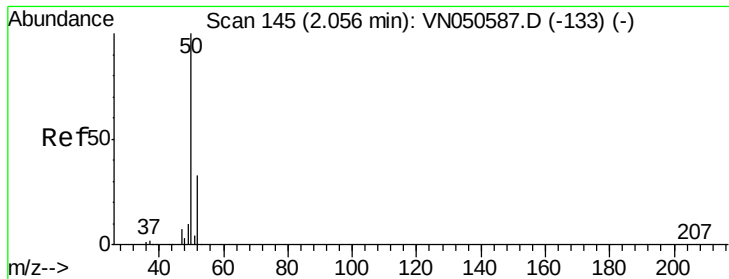
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 20.14 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS03

Tot Ion: 50 Resp: 173237

Ion Ratio Lower Upper

50 100

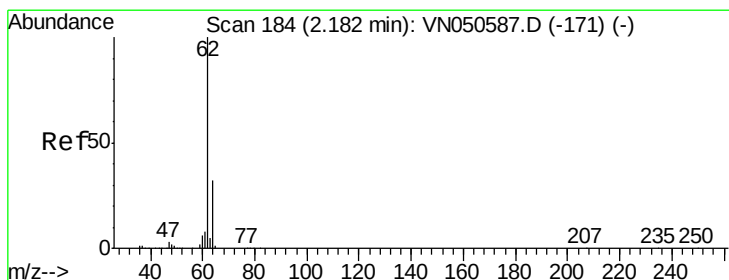
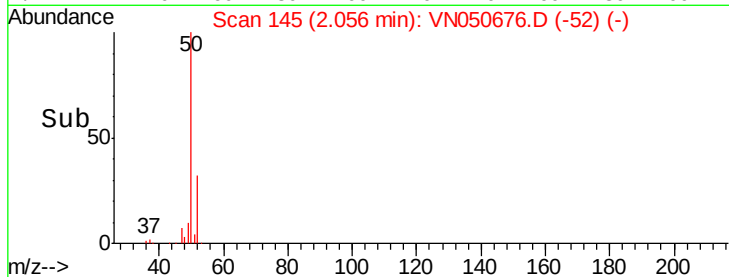
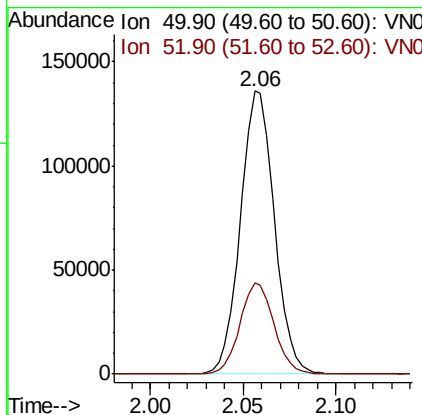
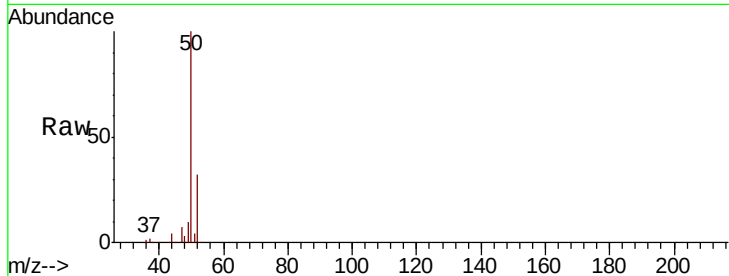
52 32.3 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.42 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050676.D

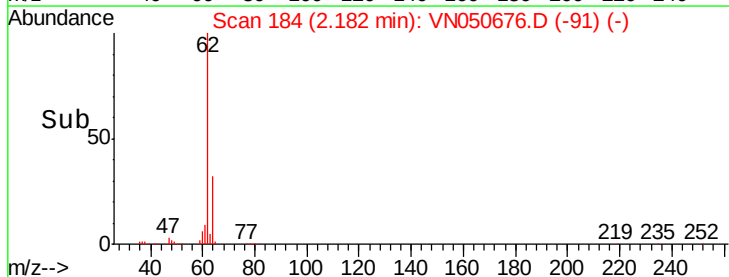
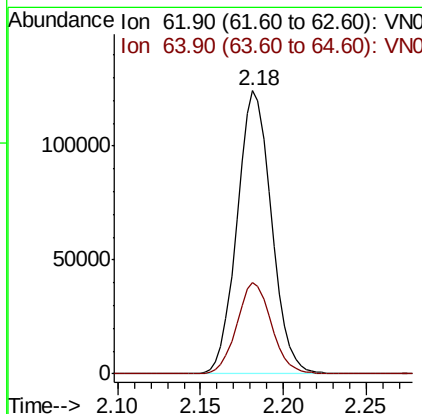
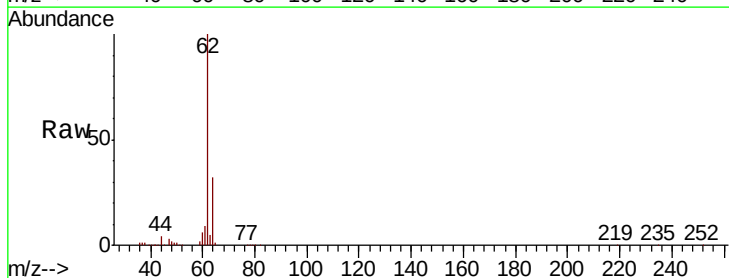
Acq: 16 Aug 2018 1:07

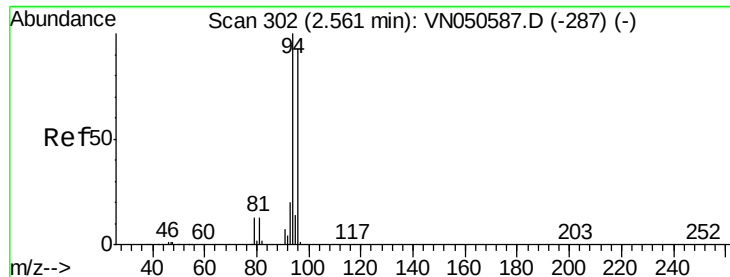
Tgt Ion: 62 Resp: 179437

Ion Ratio Lower Upper

62 100

64 32.2 25.2 37.8





#5

Bromomethane

Concen: 18.91 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

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ClientSampleId :

VN0815WBS03

Tot Ion: 94 Resp: 100392

Ion Ratio Lower Upper

94 100

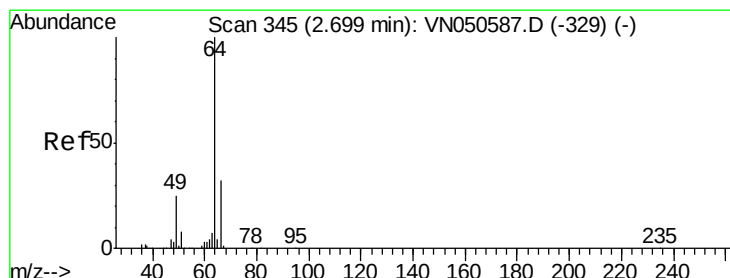
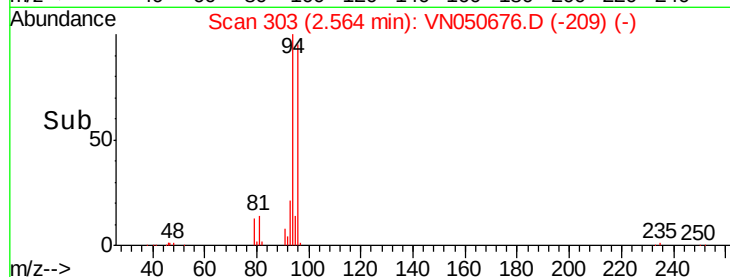
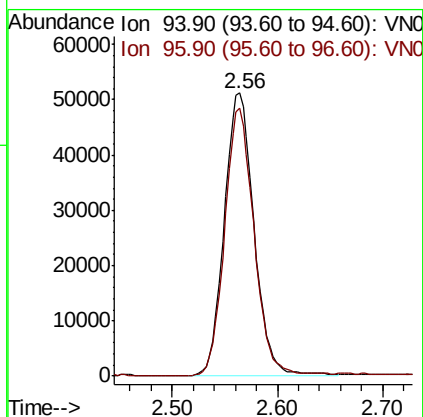
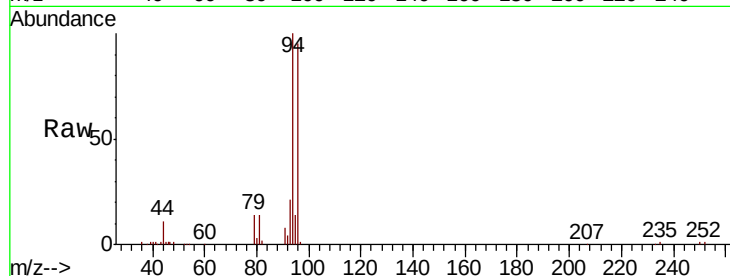
96 94.1 74.0 111.0

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#6

Chloroethane

Concen: 20.07 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050676.D

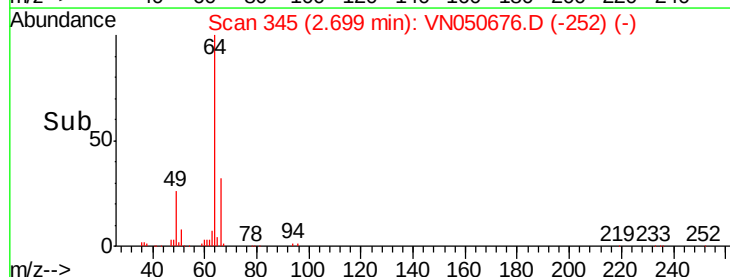
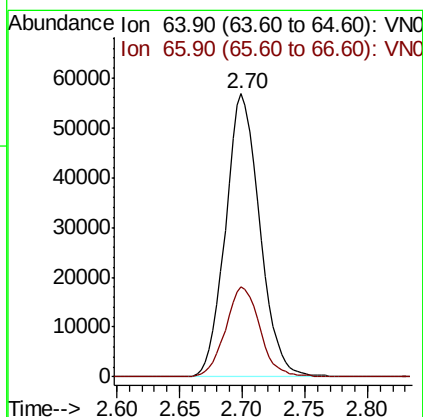
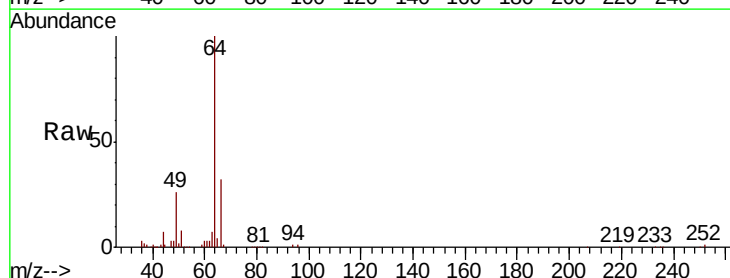
Acq: 16 Aug 2018 1:07

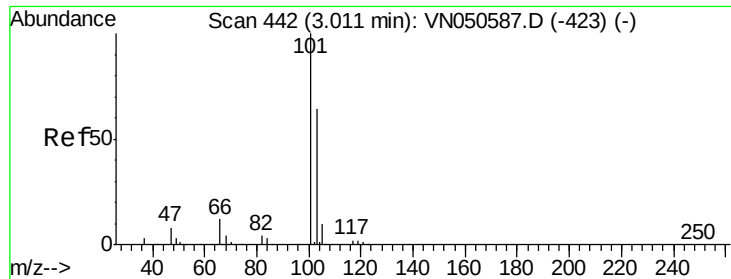
Tgt Ion: 64 Resp: 107925

Ion Ratio Lower Upper

64 100

66 32.0 25.7 38.5





#7

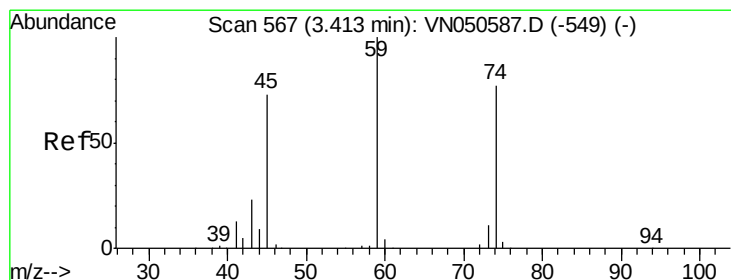
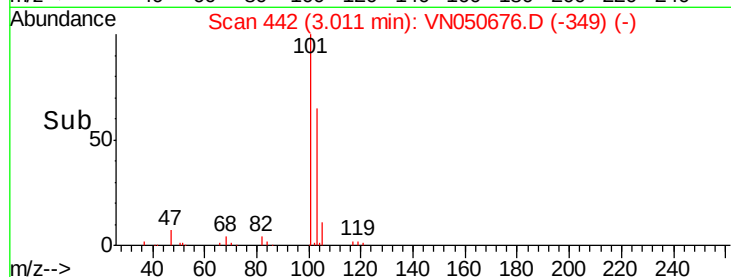
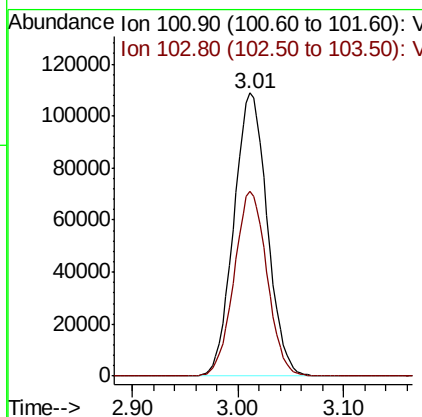
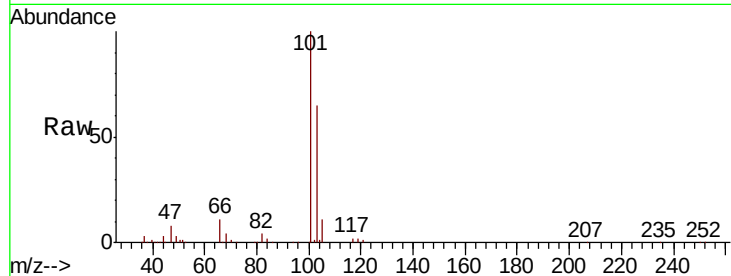
Trichlorofluoromethane
 Concen: 19.71 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.4	77.0

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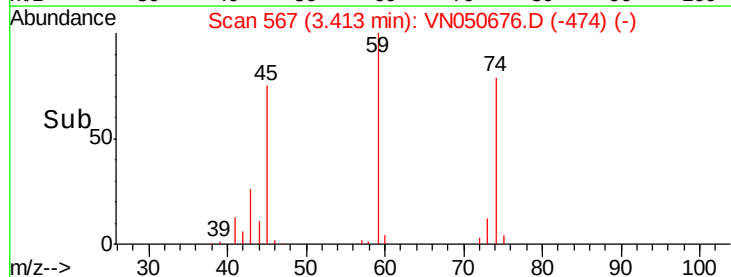
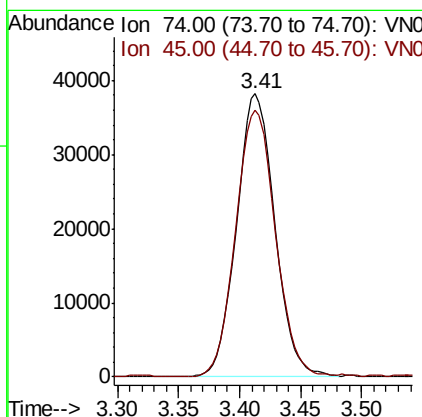
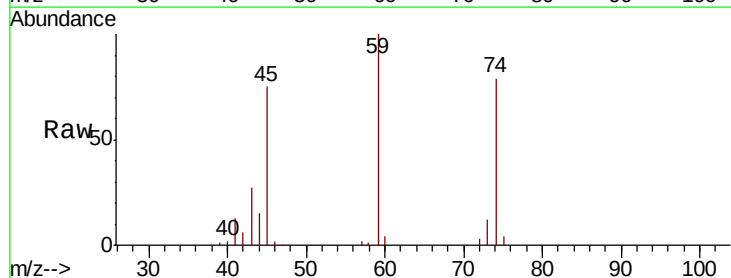
MMDadoda
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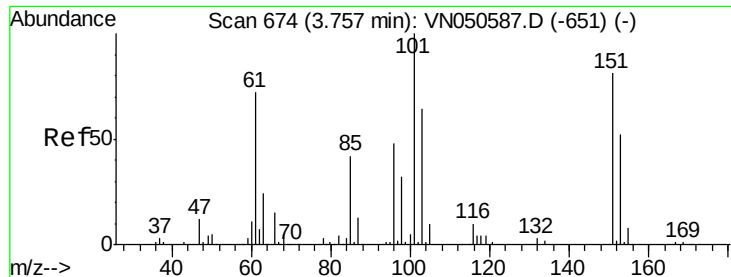


#8

Diethyl Ether
 Concen: 20.55 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.67 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

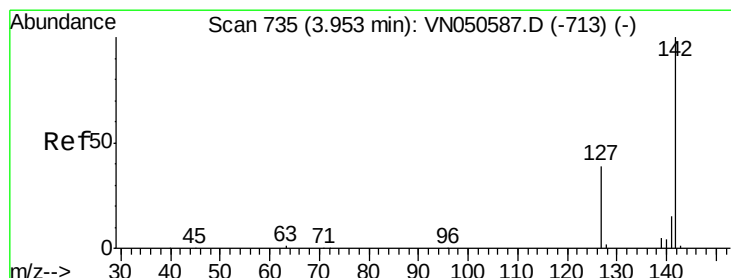
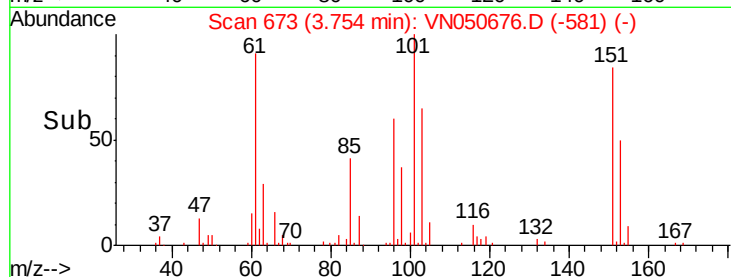
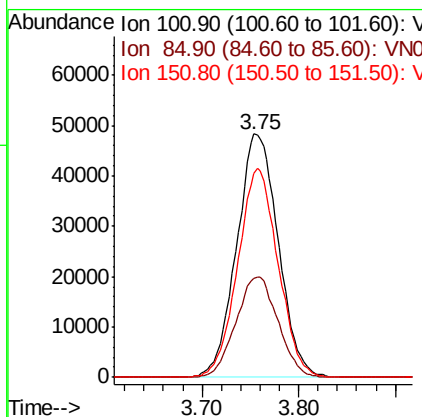
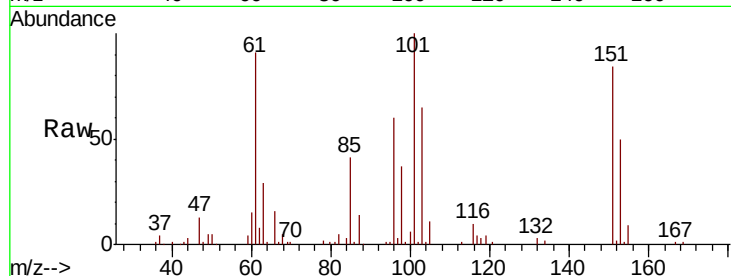
ClientSampleId :

VN0815WBS03

Tot Ion:	101	Resp:	144264
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.4	50.0
151	83.4	66.6	100.0

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#10

Methyl Iodide

Concen: 21.45 ug/l

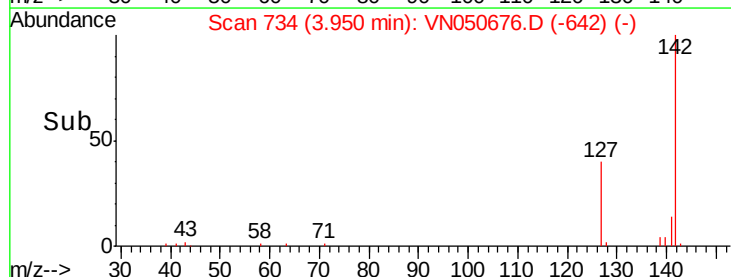
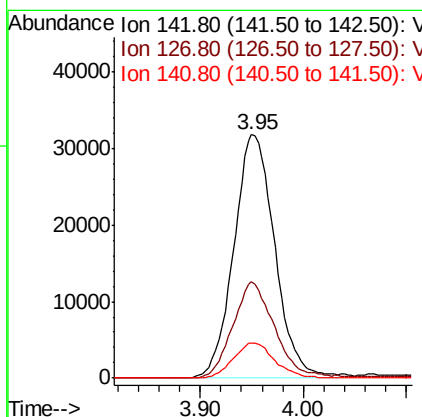
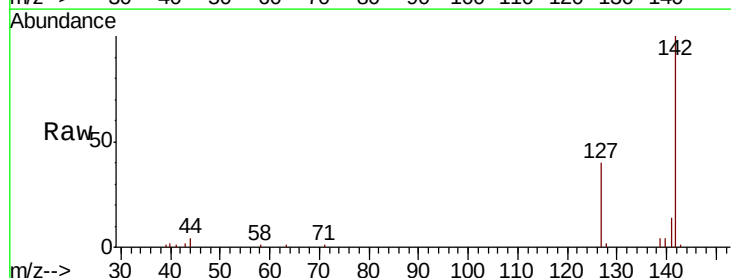
RT: 3.95 min Scan# 734

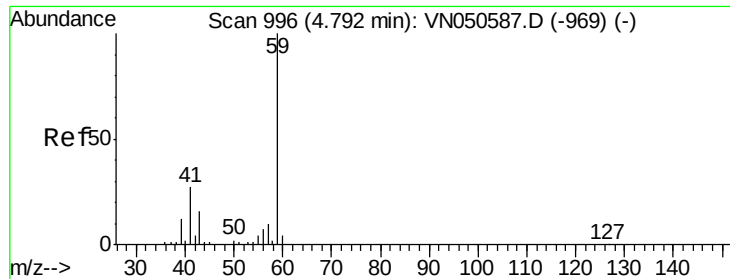
Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Tgt Ion:	142	Resp:	87779
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.6	49.0
141	14.5	11.5	17.3





#11

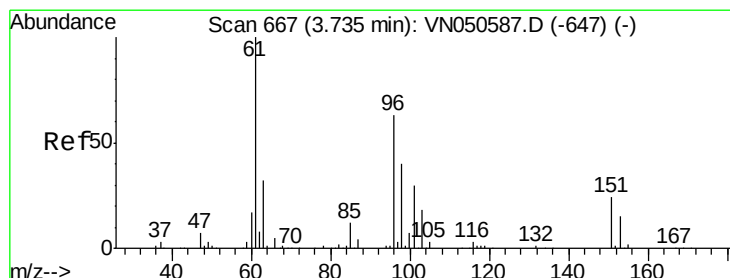
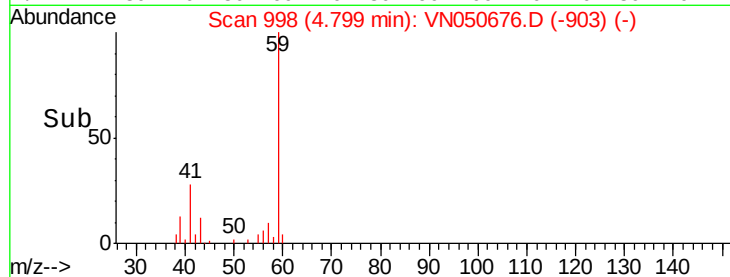
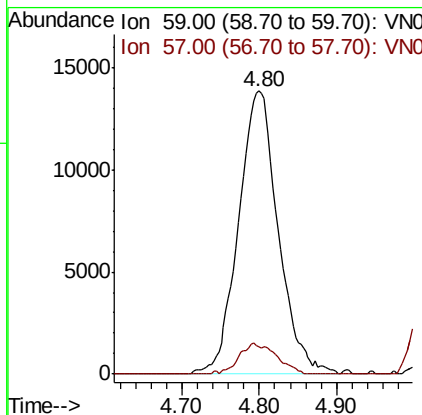
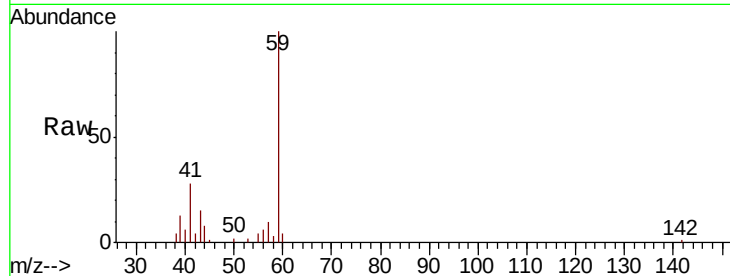
Tert butyl alcohol
 Concen: 116.62 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS03

Tot Ion	59.00	Resp	49529
Ion Ratio	100	Lower	Upper
59	100		
57	5.8	8.4	12.6#

Manual Integrations
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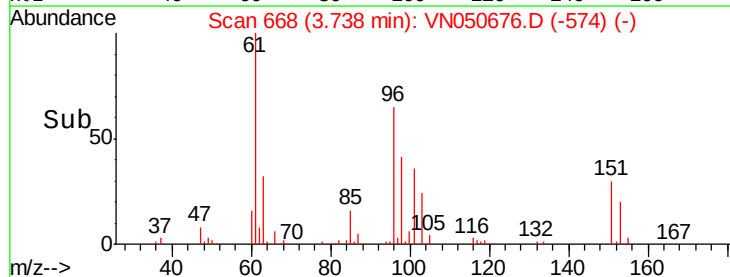
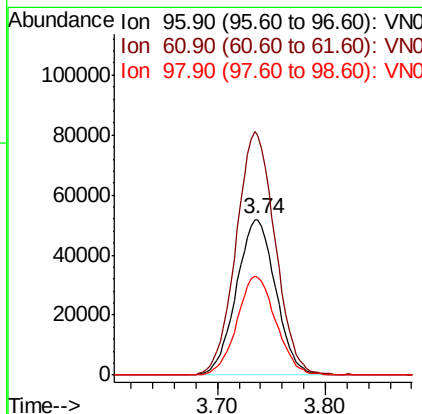
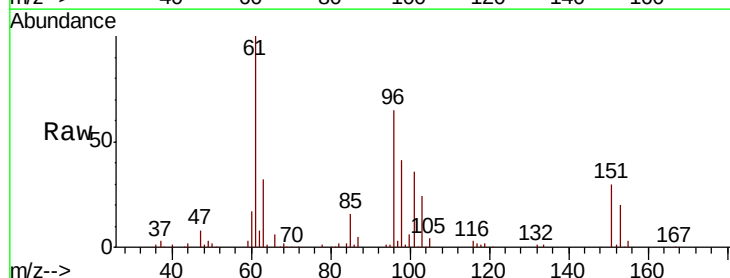
MMDadoda
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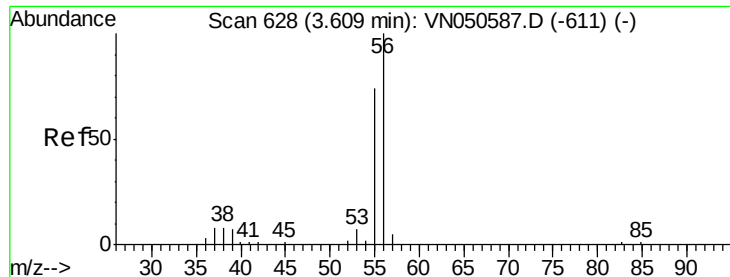


#12

1,1-Dichloroethene
 Concen: 19.65 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Tgt Ion	96	Resp	131568
Ion Ratio	100	Lower	Upper
96	100		
61	154.1	126.9	190.3
98	62.5	51.1	76.7





#13

Acrolein

Concen: 79.75 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS03

Tot Ion: 56 Resp: 14011

Ion Ratio Lower Upper

56 100

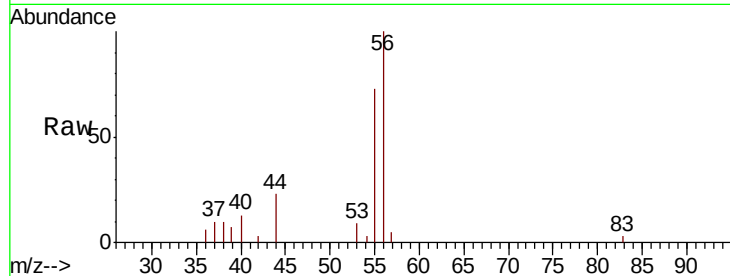
55 69.2 56.3 84.5

Manual Integrations

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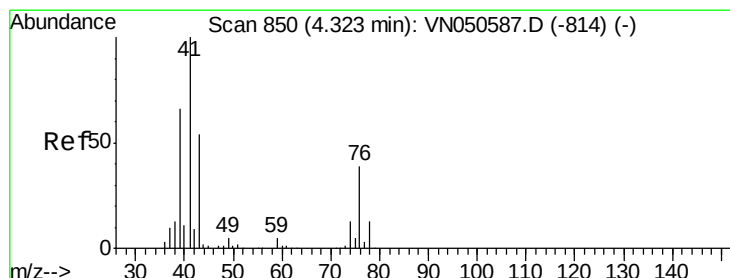
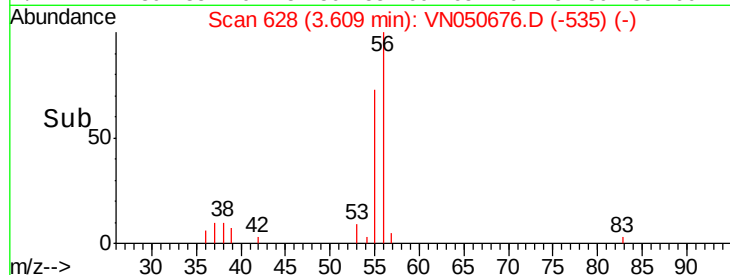
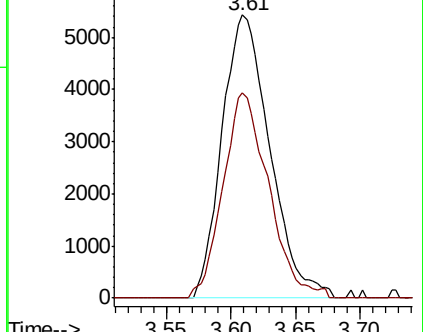
MMDadoda

8/16/2018 1:19:12 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.89 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

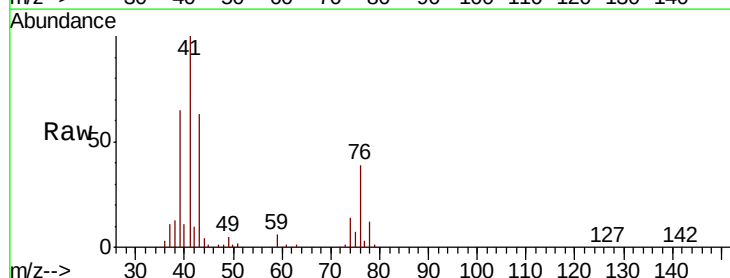
Tgt Ion: 41 Resp: 196707

Ion Ratio Lower Upper

41 100

39 64.2 51.4 77.0

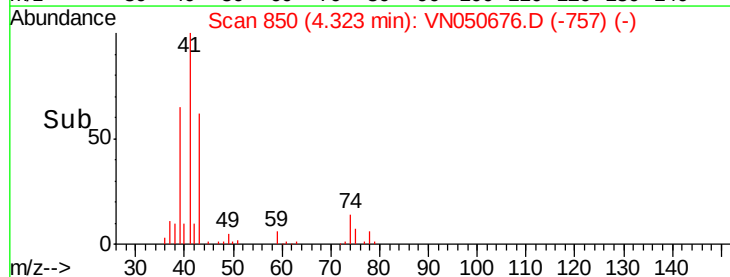
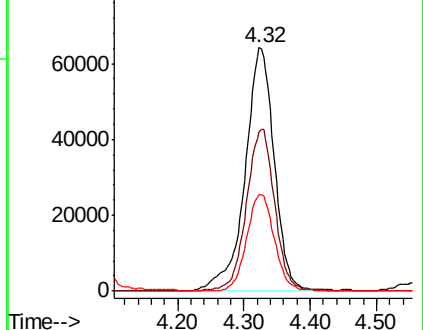
76 37.4 29.4 44.0

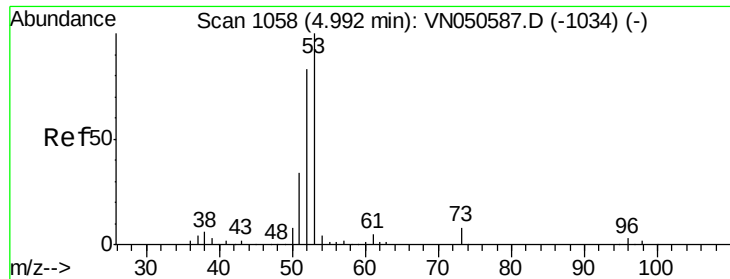


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





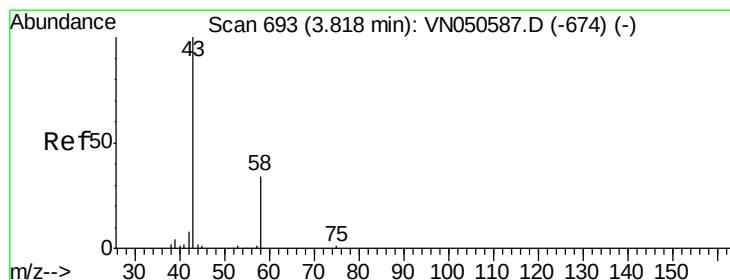
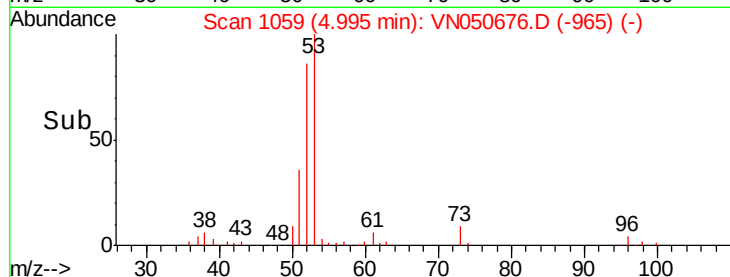
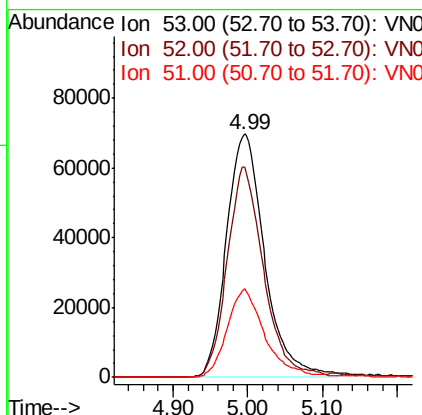
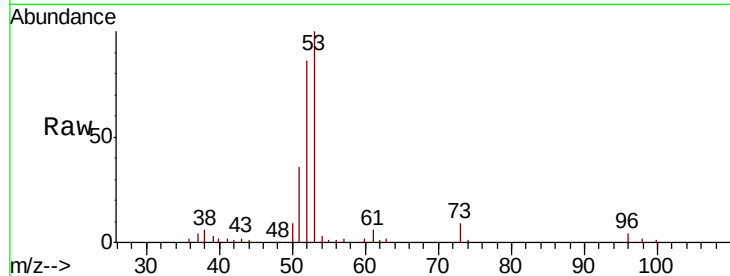
#15
 Acrylonitrile
 Concen: 106.14 ug/l
 RT: 4.99 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS03

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.2	99.2
51	36.1	28.6	43.0

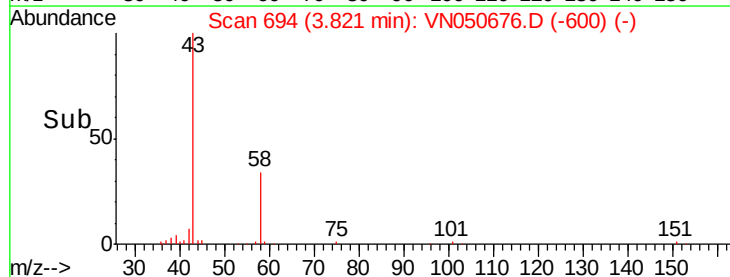
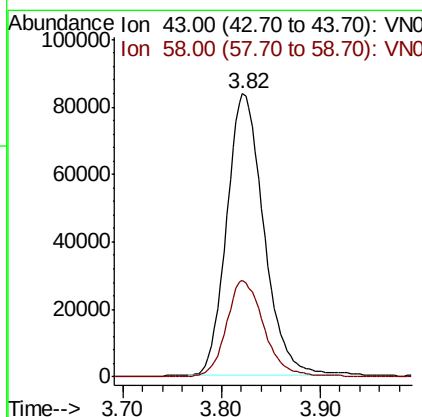
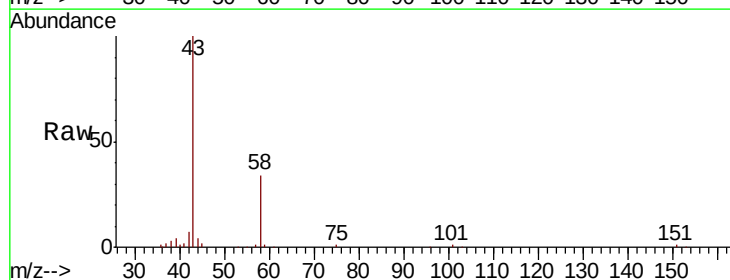
Manual Integrations
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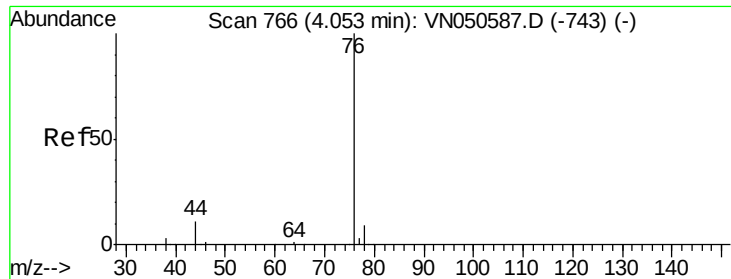
MMDadoda
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#16
 Acetone
 Concen: 111.72 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.1	40.7





#17

Carbon Disulfide

Concen: 18.99 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Tot Ion: 76 Resp: 400069

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

Instrument :

MSVOA_N

ClientSampleId :

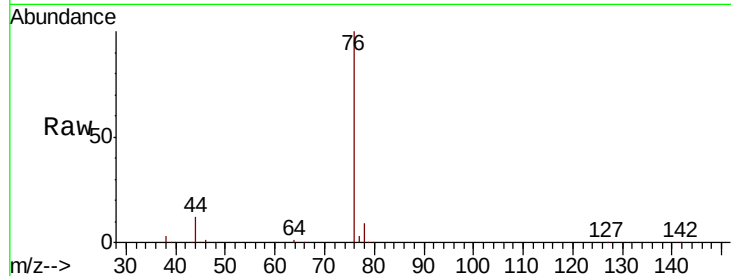
VN0815WBS03

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

100000

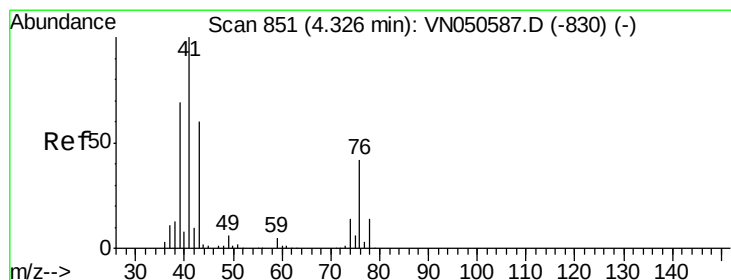
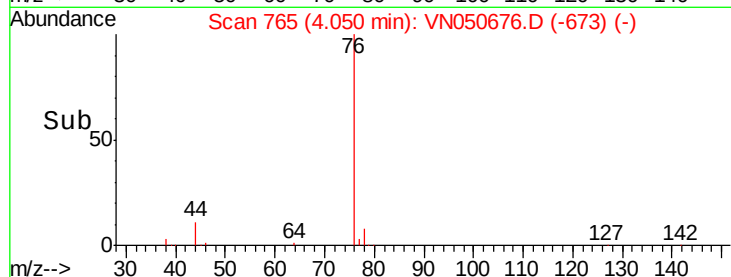
50000

0

4.05

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 22.80 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050676.D

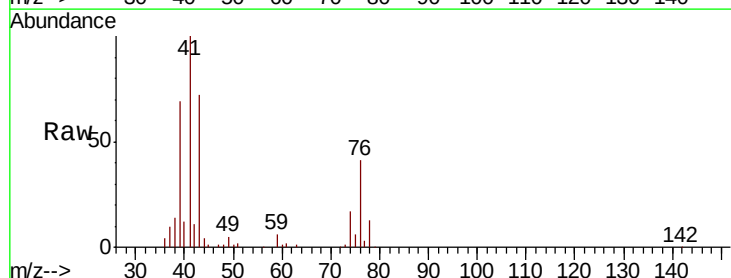
Acq: 16 Aug 2018 1:07

Tgt Ion: 43 Resp: 127491

Ion Ratio Lower Upper

43 100

74 23.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

50000

40000

30000

20000

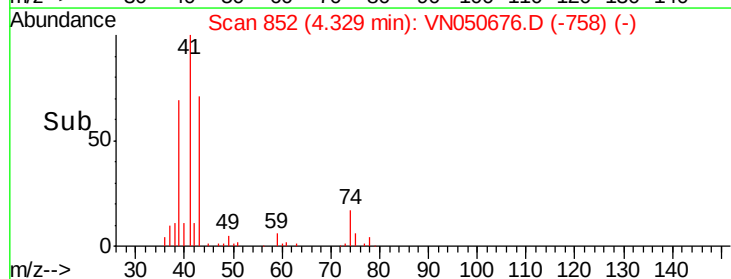
10000

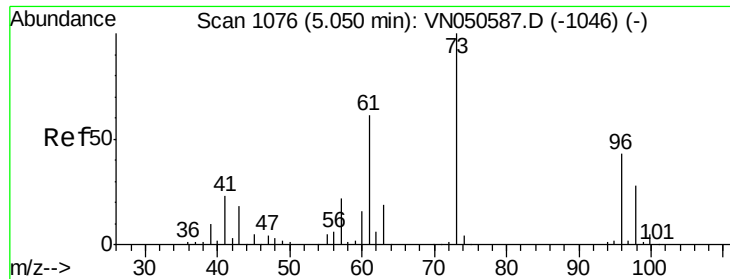
0

4.33

4.20 4.30 4.40

Time-->





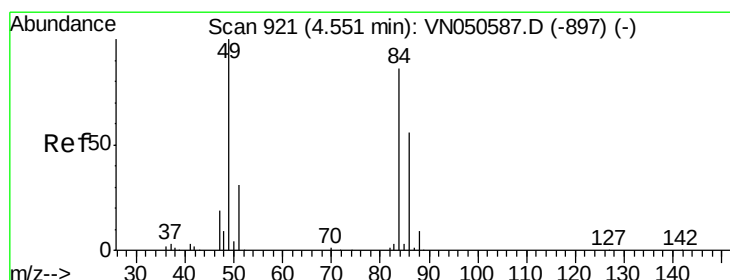
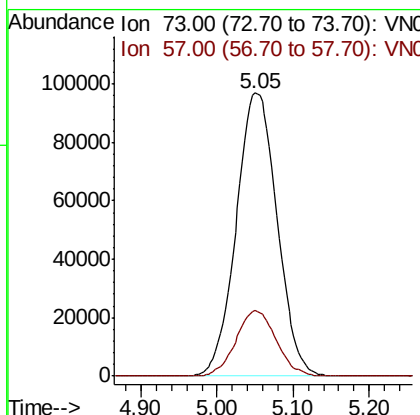
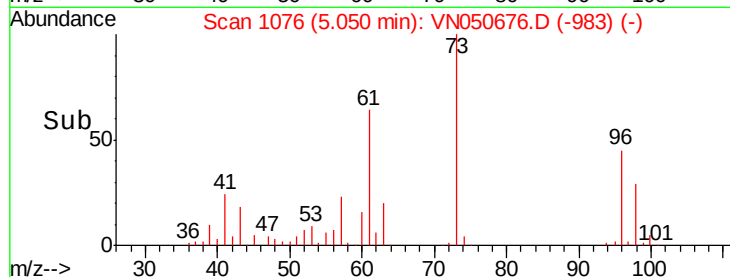
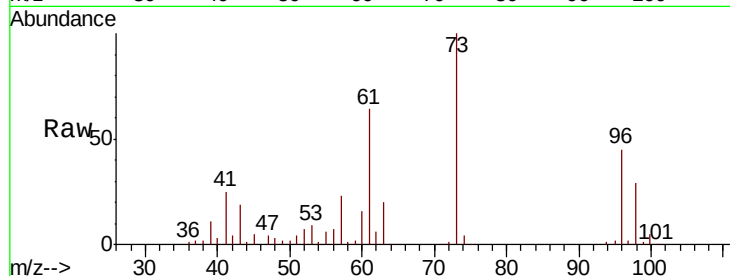
#19
Methvl tert-butyl Ether
Concen: 21.24 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Instrument :
MSVOA_N
ClientSampled :
VN0815WBS03

Tot Ion: 73 Resp: 362023
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9

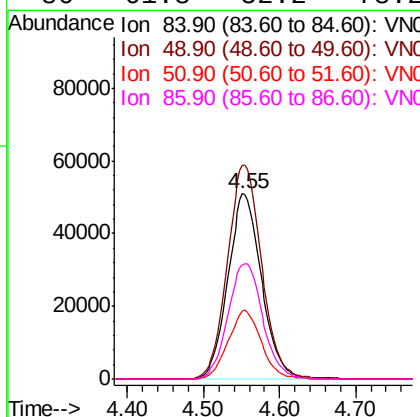
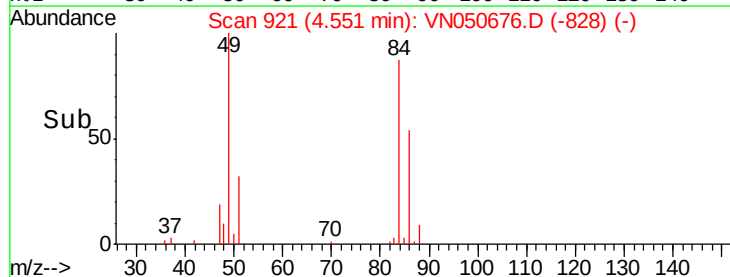
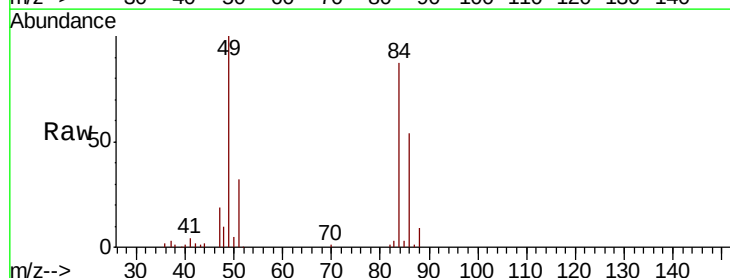
Manual Integrations
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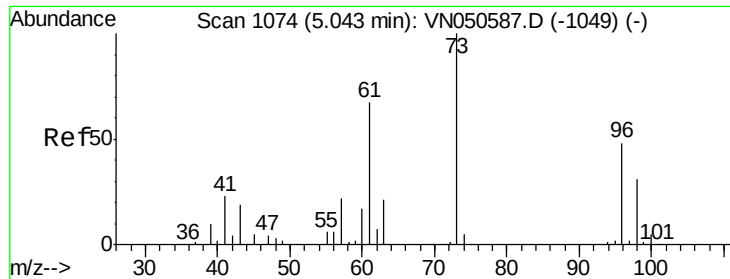
MMDadoda
8/16/2018 1:19:12 PM



#20
Methylene Chloride
Concen: 20.37 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Tgt Ion: 84 Resp: 156192
Ion Ratio Lower Upper
84 100
49 115.2 92.6 138.8
51 36.4 28.6 43.0
86 61.8 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 19.61 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

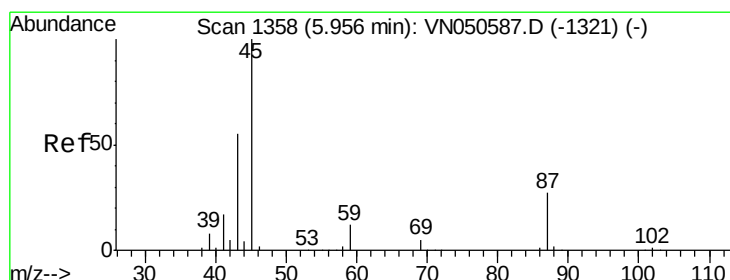
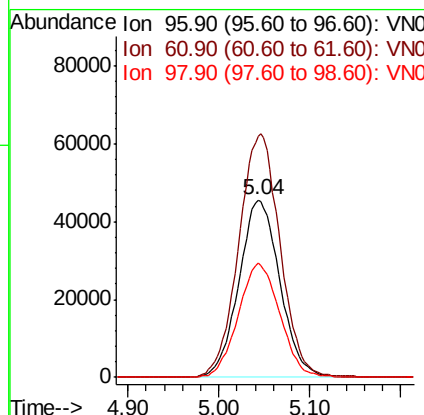
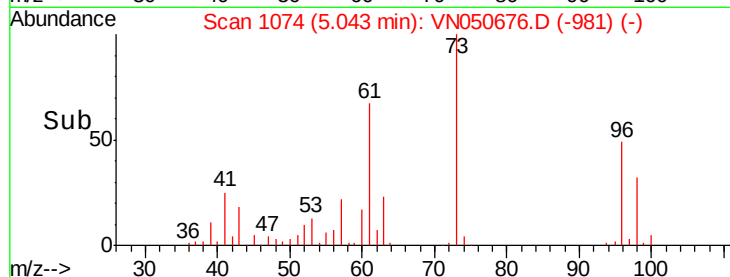
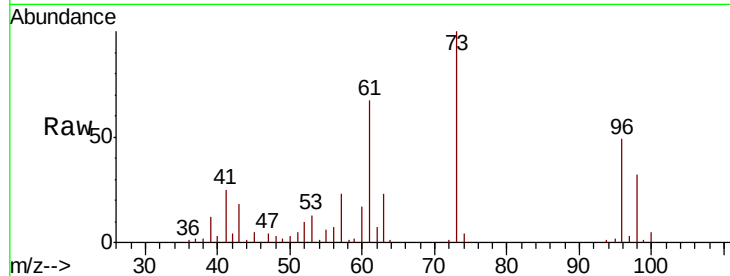
ClientSampleId :

VN0815WBS03

Tot Ion:	96	Resp:	142362
Ion	Ratio	Lower	Upper
96	100		
61	135.6	111.2	166.8
98	64.4	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.09 ug/l

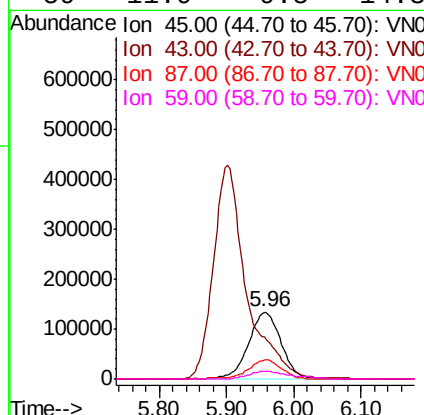
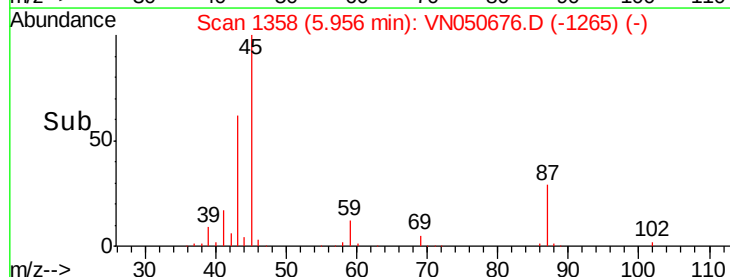
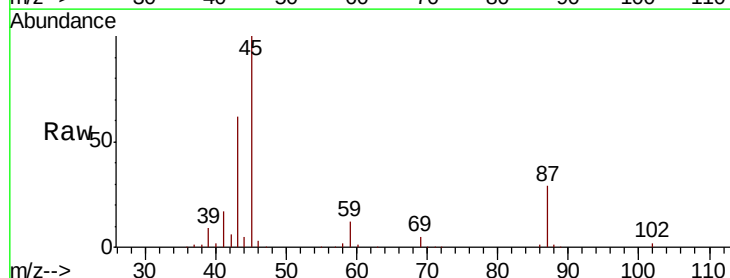
RT: 5.96 min Scan# 1358

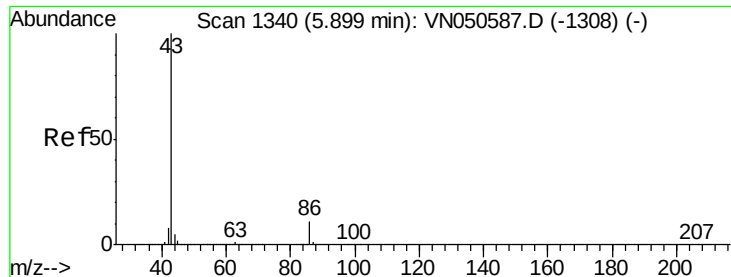
Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Tgt Ion:	45	Resp:	450437
Ion	Ratio	Lower	Upper
45	100		
43	61.0	44.5	66.7
87	28.6	22.2	33.2
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 104.85 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS03

Tot Ion: 43 Resp: 1464492

Ion Ratio Lower Upper

43 100

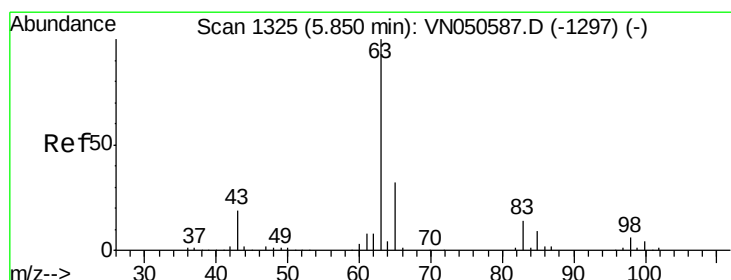
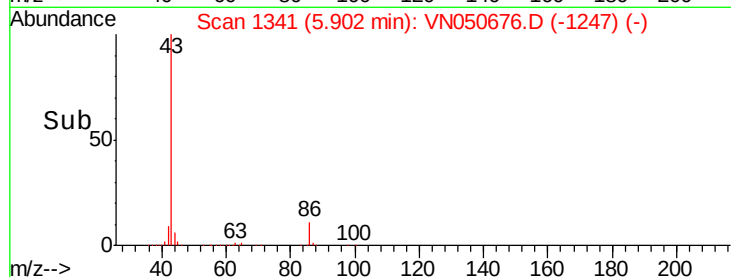
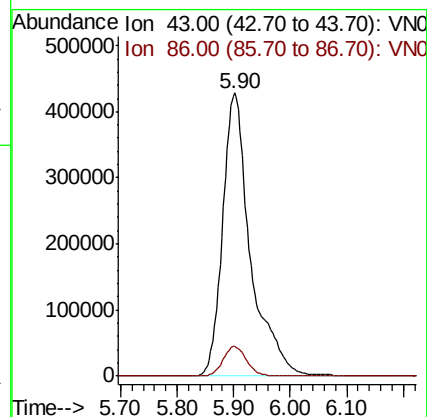
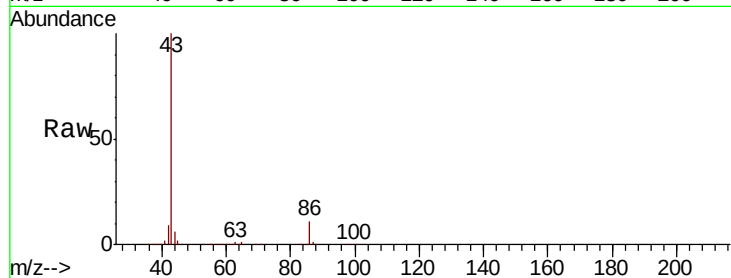
86 10.6 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.77 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

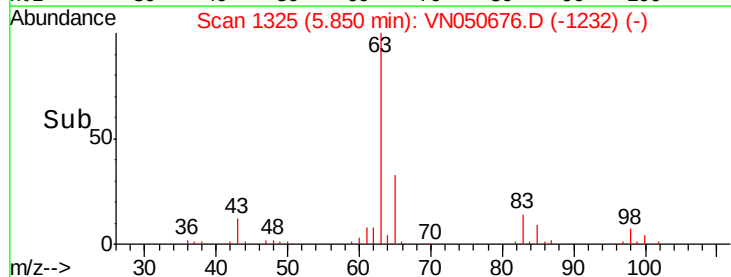
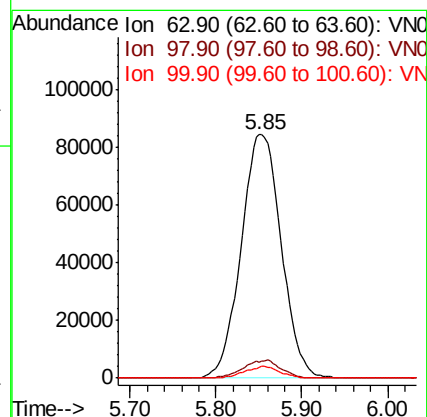
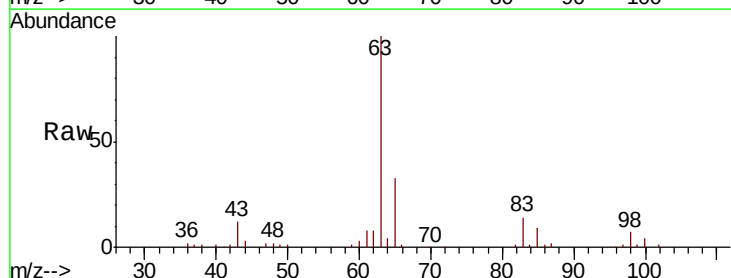
Tgt Ion: 63 Resp: 273089

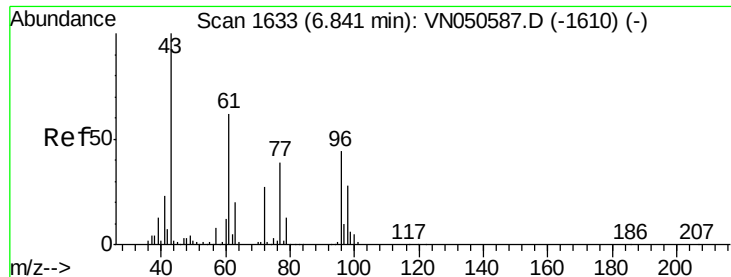
Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 108.23 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

ClientSampled :

VN0815WBS03

Tot Ion: 43 Resp: 345147

Ion Ratio Lower Upper

43 100

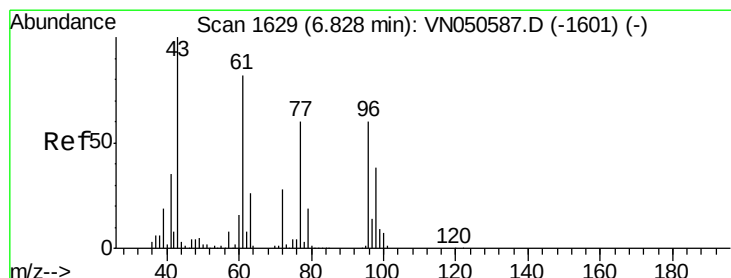
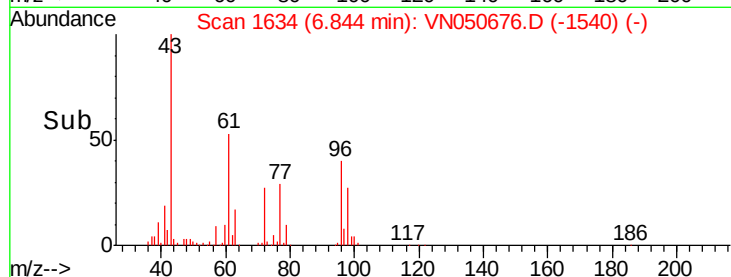
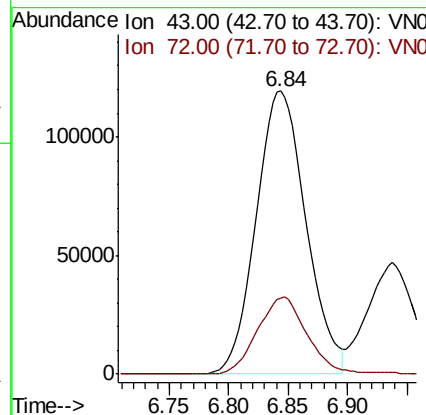
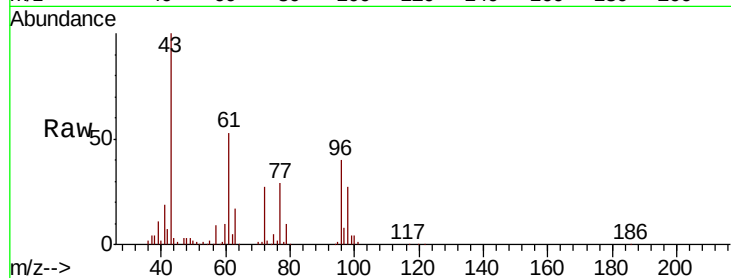
72 27.1 21.8 32.6

Manual Integrations

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MMDadoda

8/16/2018 1:19:12 PM



#26

2,2-Dichloropropane

Concen: 15.94 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050676.D

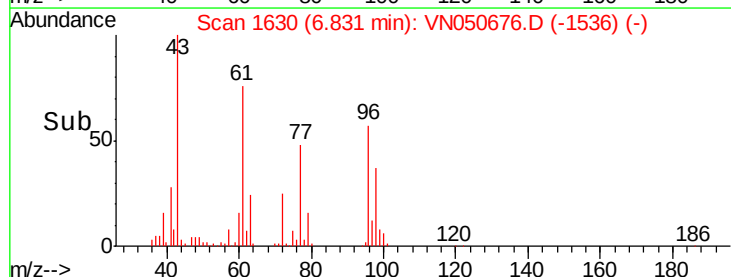
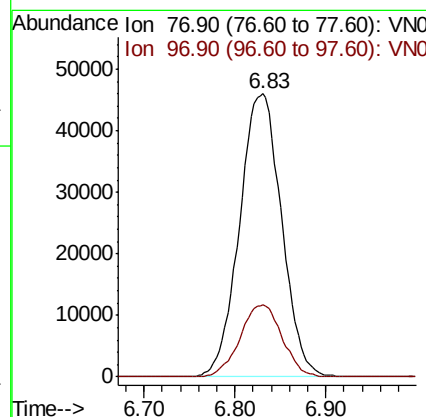
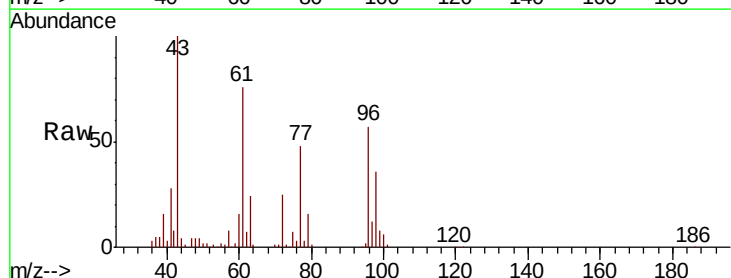
Acq: 16 Aug 2018 1:07

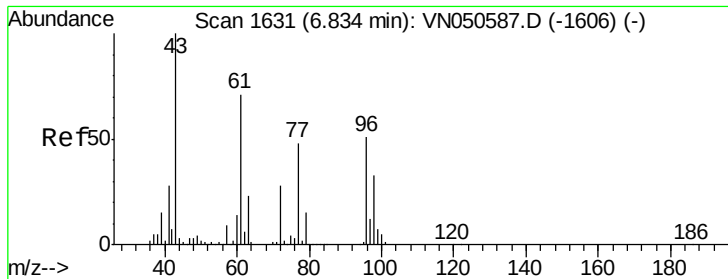
Tgt Ion: 77 Resp: 147408

Ion Ratio Lower Upper

77 100

97 25.4 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 19.81 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

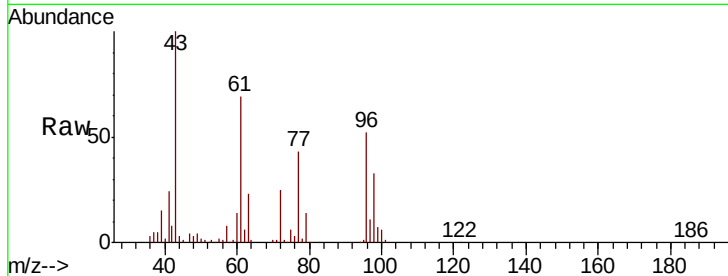
ClientSampleId :

VN0815WBS03

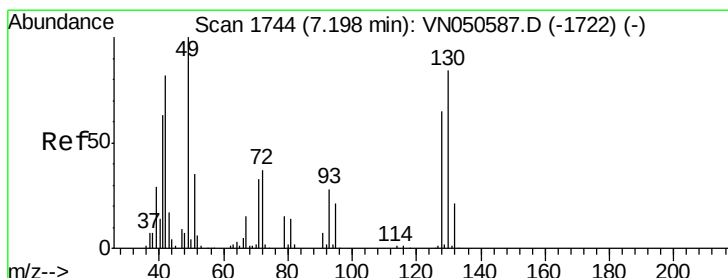
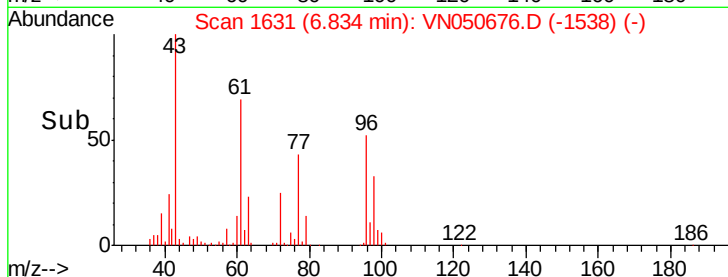
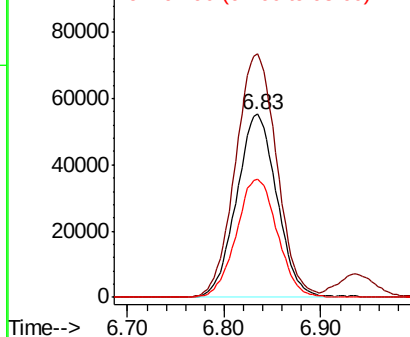
Tot Ion:	96	Resp:	160125
Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	278.2
98	65.5	0.0	128.8

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.31 ug/l

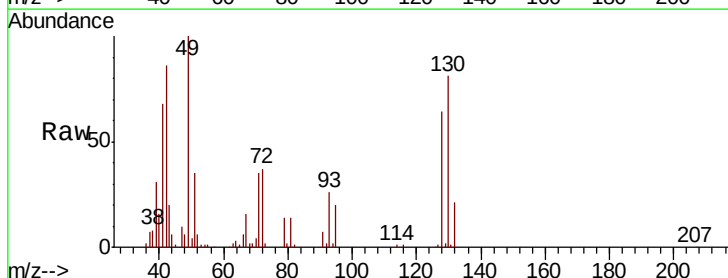
RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

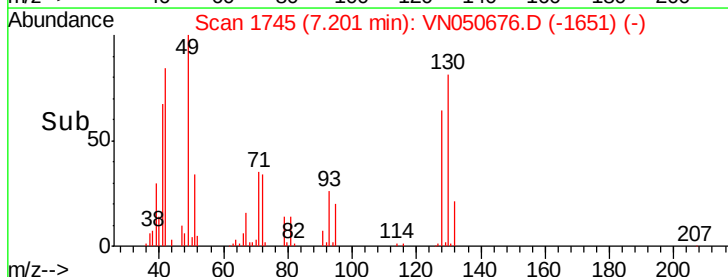
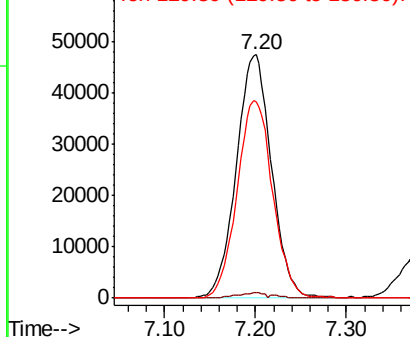
Lab File: VN050676.D

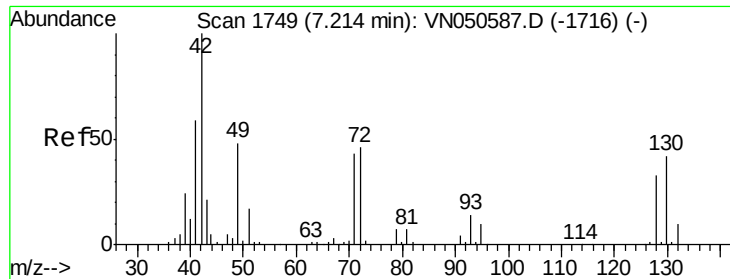
Acq: 16 Aug 2018 1:07

Tgt Ion:	49	Resp:	127723
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.2
130	81.8	66.8	100.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





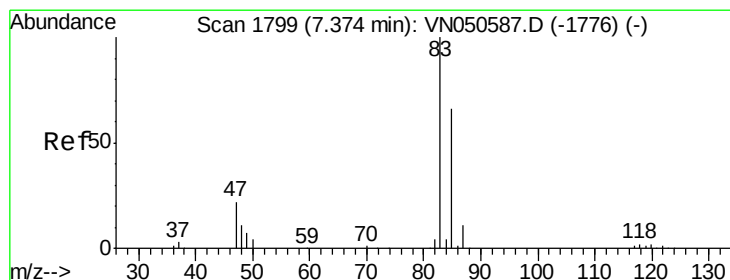
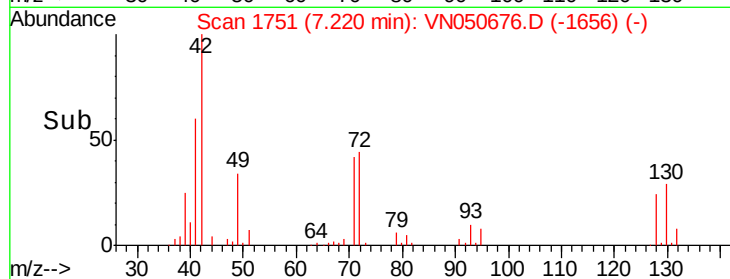
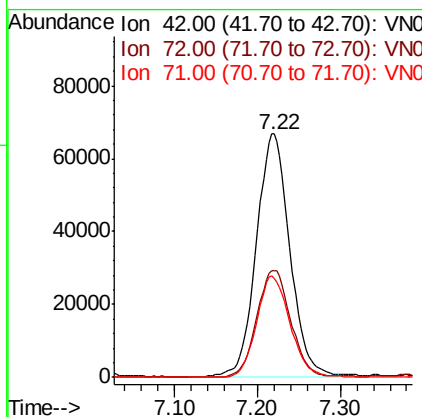
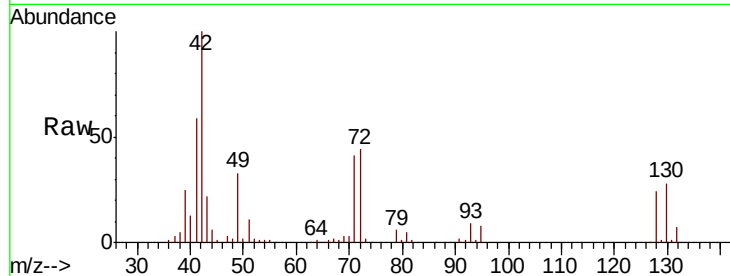
#29
Tetrahydrofuran
Concen: 113.03 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.8	53.6
71	41.5	33.4	50.0

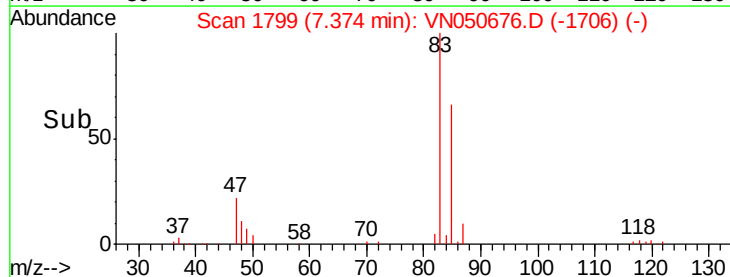
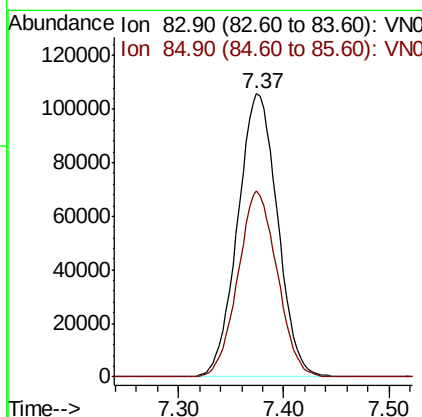
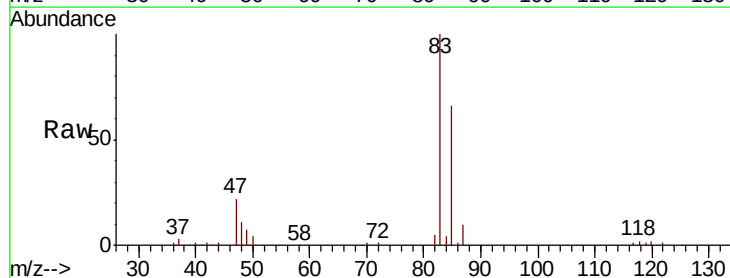
Manual Integrations
APPROVED

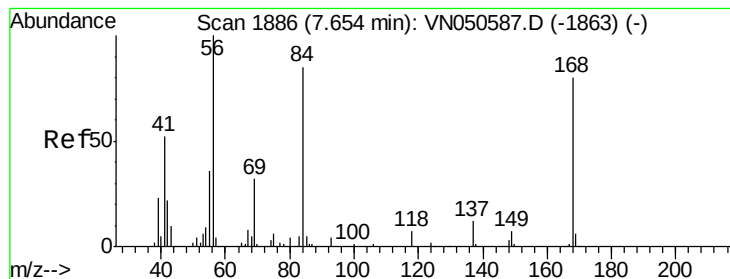
MMDadoda
8/16/2018 1:19:12 PM



#30
Chloroform
Concen: 19.83 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7





#31

Cyclohexane

Concen: 19.56 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

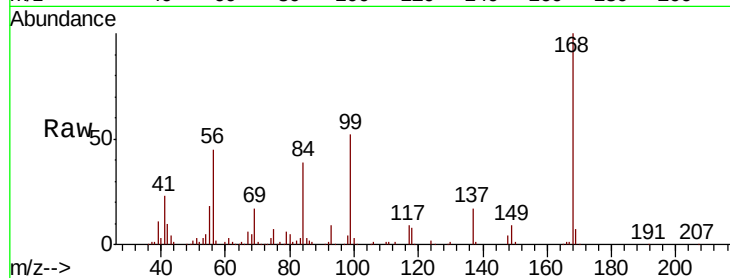
ClientSampleId :

VN0815WBS03

Tot Ion:	56	Resp:	233125
Ion Ratio	Lower	Upper	
56	100		
69	37.3	25.8	38.6
84	84.7	67.8	101.6

Manual Integrations
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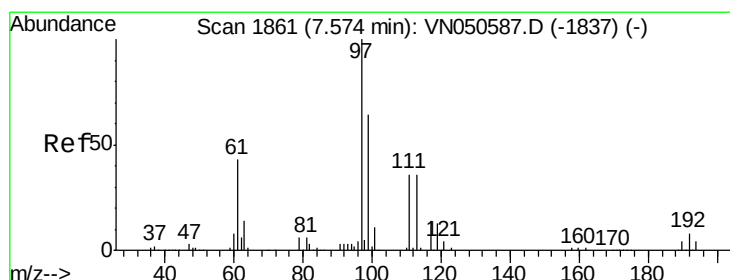
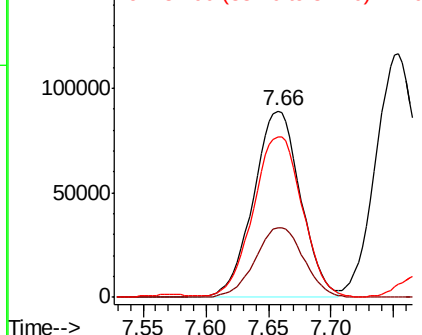
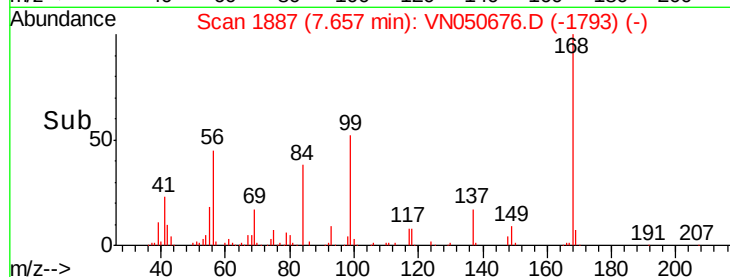


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.76 ug/l

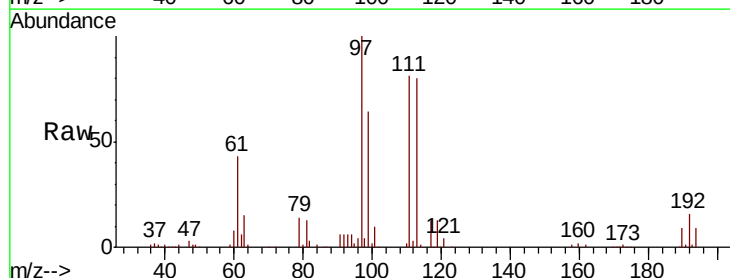
RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Tgt Ion:	97	Resp:	232826
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.1	76.7
61	44.1	34.8	52.2

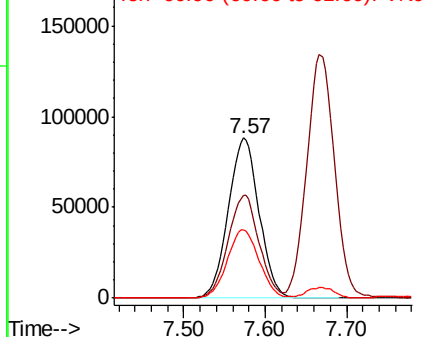
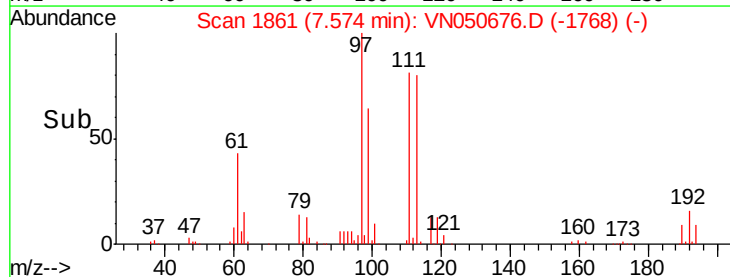


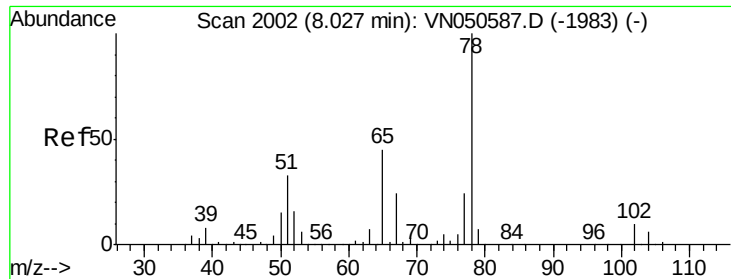
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





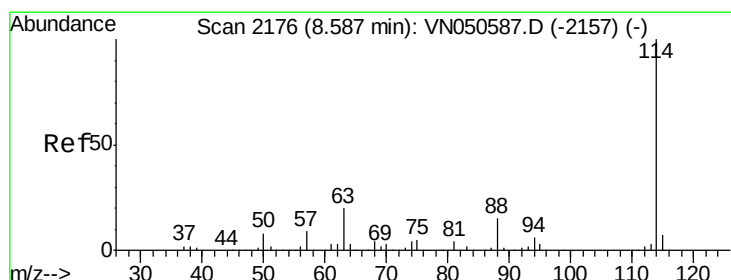
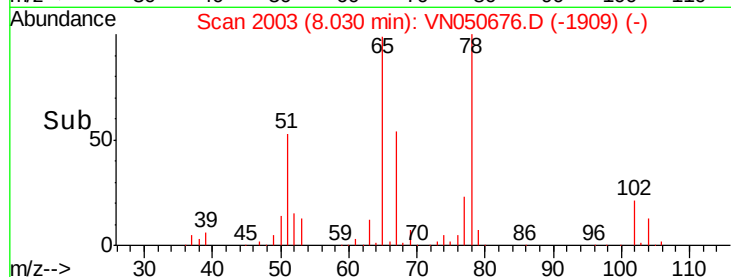
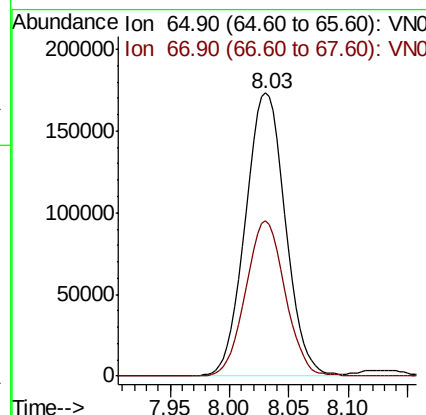
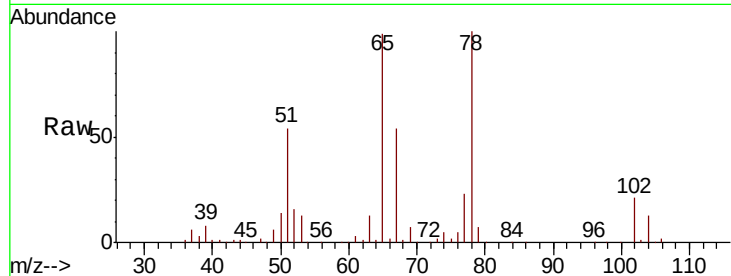
#33
 1,2-Dichloroethane-d4
 Concen: 52.07 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.9	0.0	109.8	

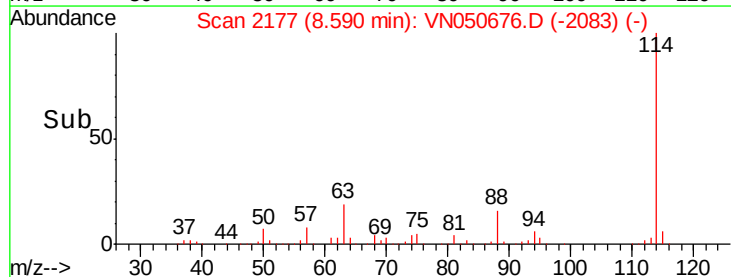
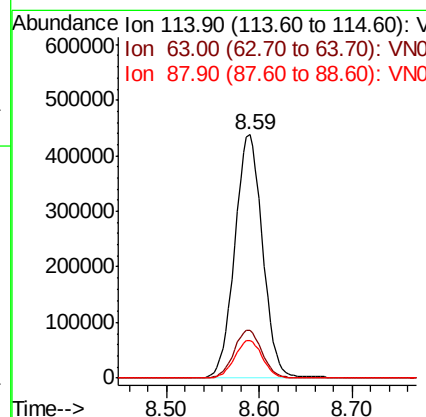
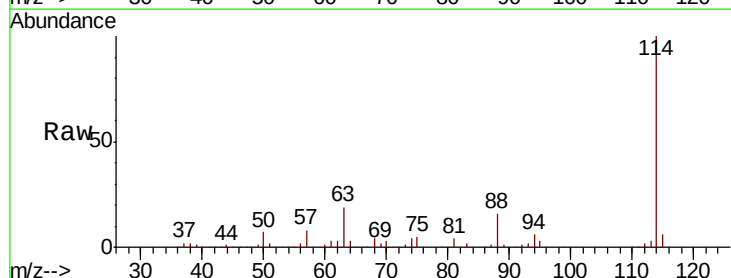
Manual Integrations
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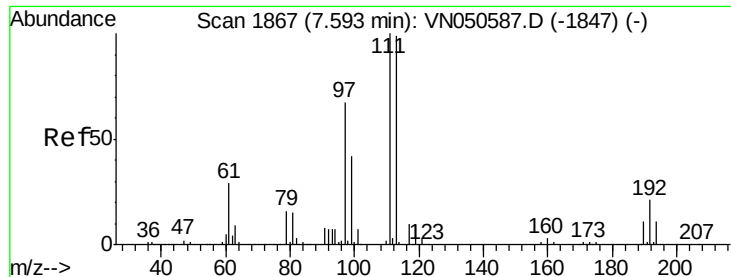
MMDadoda
 8/16/2018 1:19:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	40.0	
88	15.7	0.0	30.8	





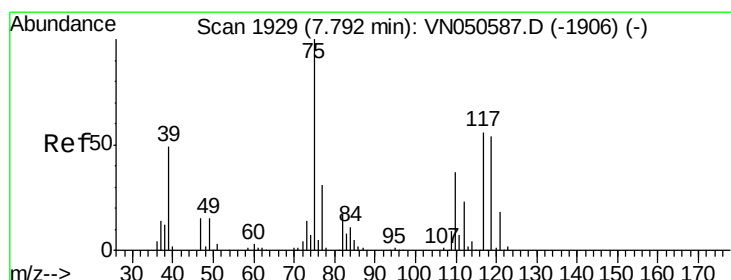
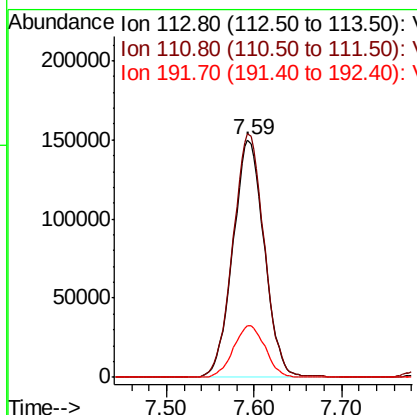
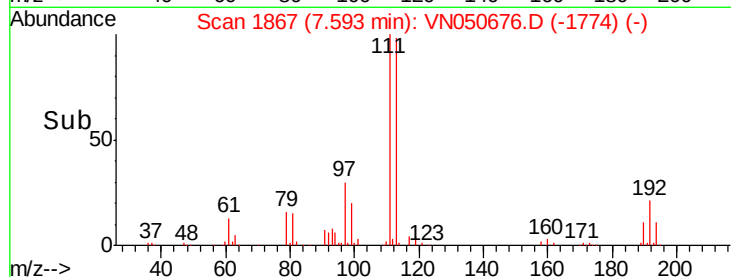
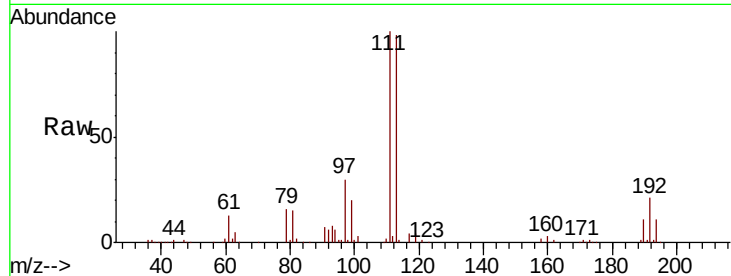
#35
 Dibromofluoromethane
 Concen: 51.12 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	372298		
111	102.9	81.0	121.6	
192	21.9	17.6	26.4	

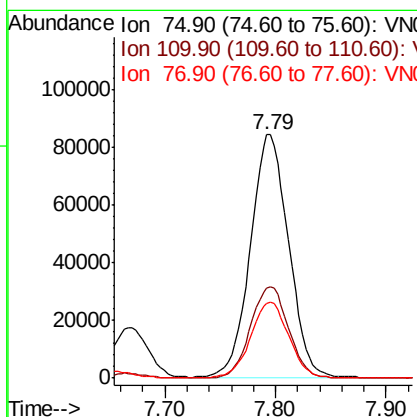
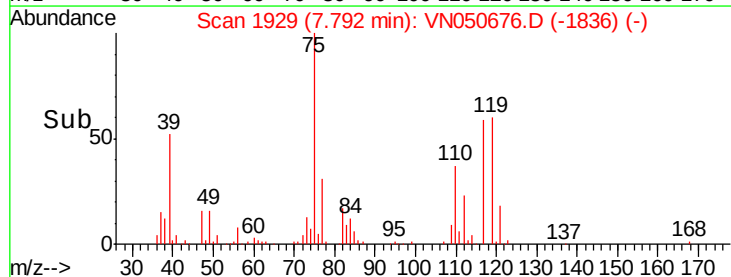
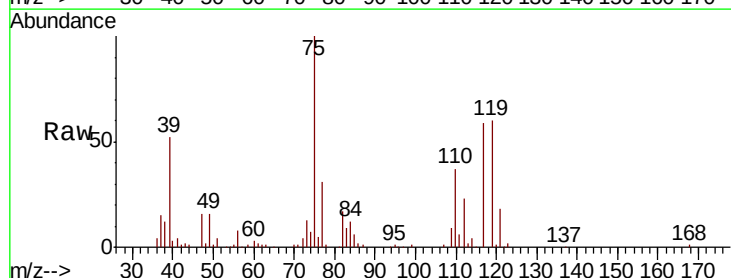
Manual Integrations
 APPROVED

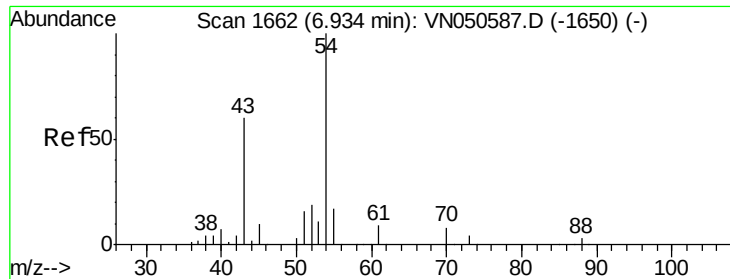
MMDadoda
 8/16/2018 1:19:12 PM



#36
 1,1-Dichloropropene
 Concen: 19.79 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	200932		
110	37.6	18.3	54.9	
77	31.7	25.0	37.4	





#37

Ethyl Acetate

Concen: 22.59 ug/l

RT: 6.94 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

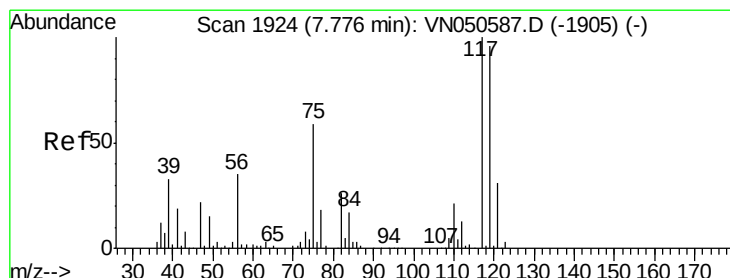
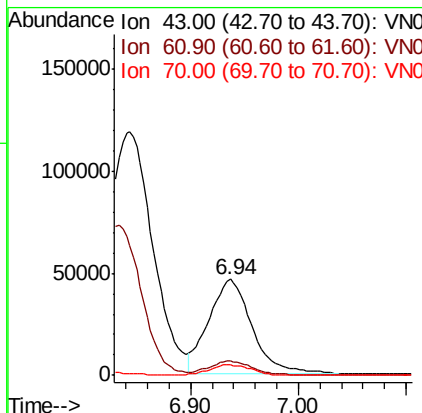
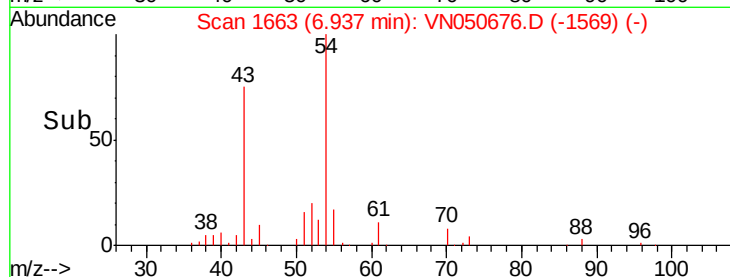
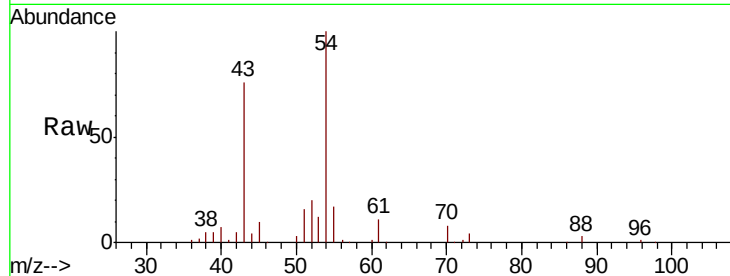
ClientSampleId :

VN0815WBS03

Tot Ion:	43	Resp:	129692
Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.0	18.0
70	11.0	8.5	12.7

Manual Integrations
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8/16/2018 1:19:12 PM



#38

Carbon Tetrachloride

Concen: 19.66 ug/l

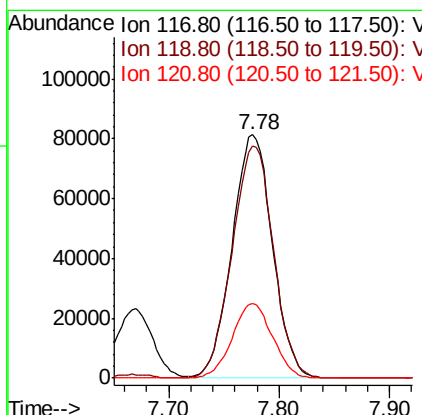
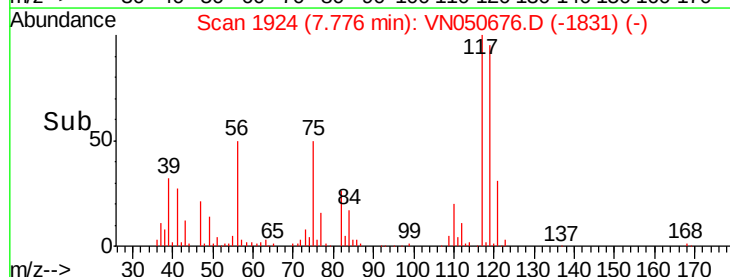
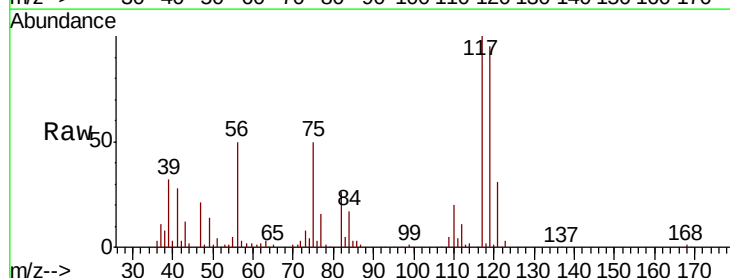
RT: 7.78 min Scan# 1924

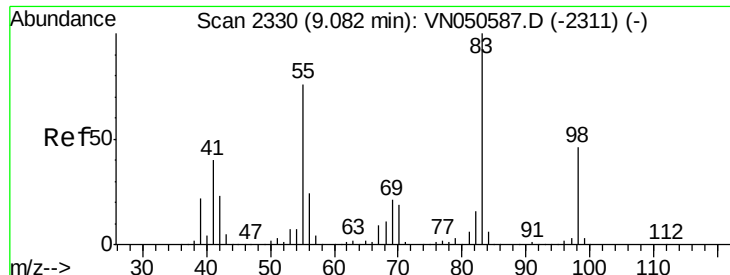
Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Tgt Ion:	117	Resp:	207091
Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.6	115.0
121	30.6	25.0	37.6





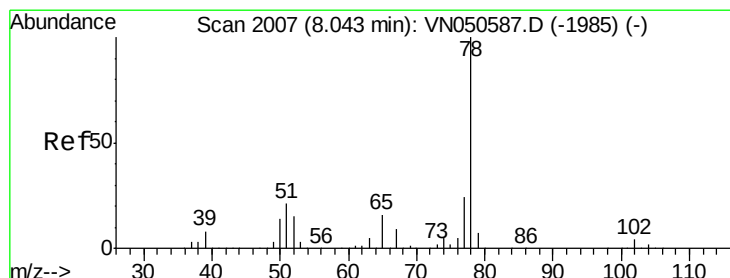
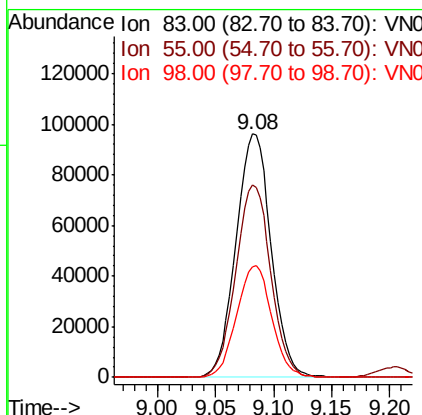
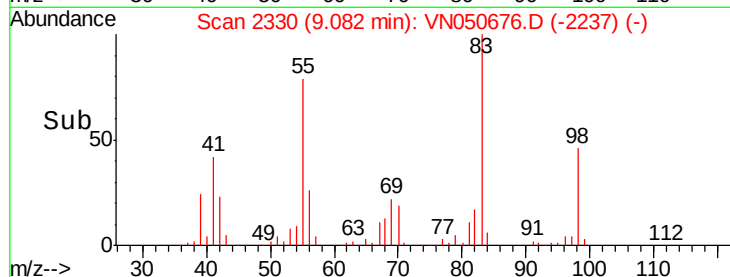
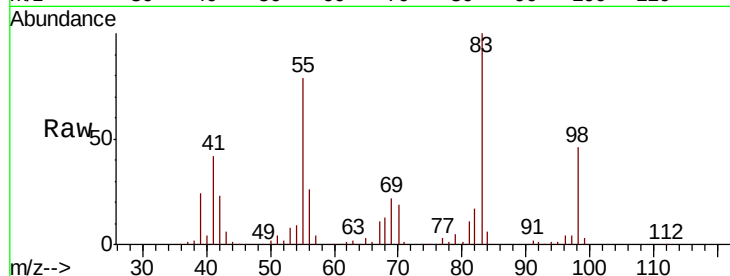
#39
Methylvlcyclohexane
Concen: 19.33 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	60.6	91.0
98	45.6	37.0	55.4

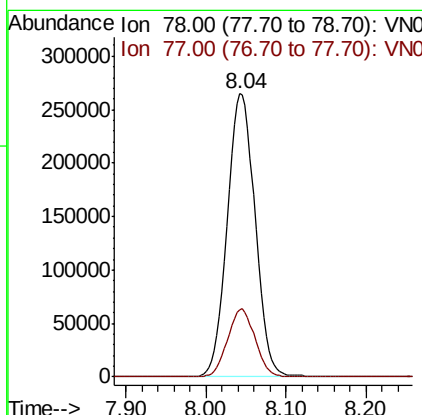
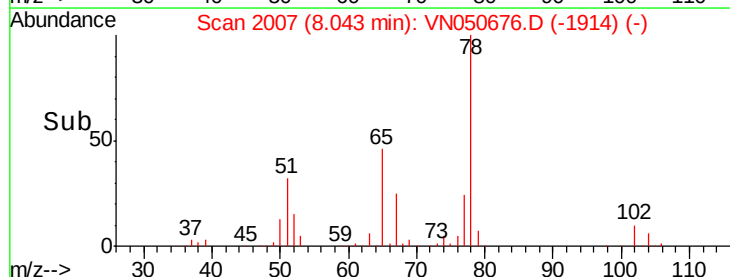
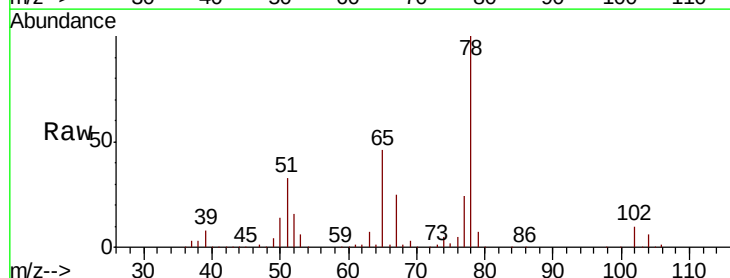
Manual Integrations
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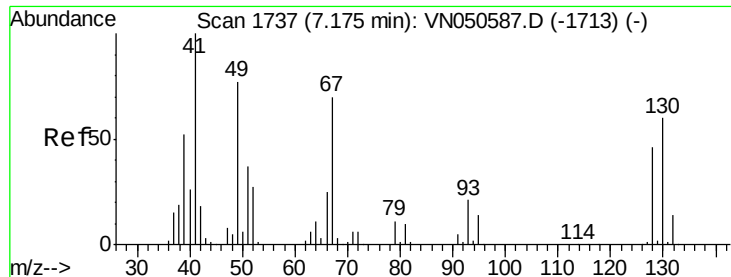
MMDadoda
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#40
Benzene
Concen: 20.33 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





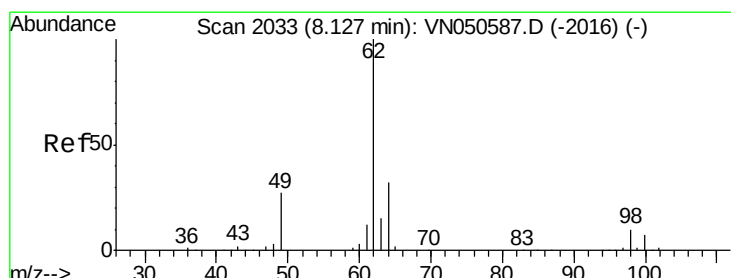
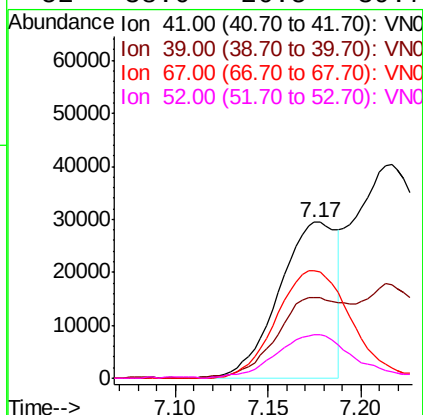
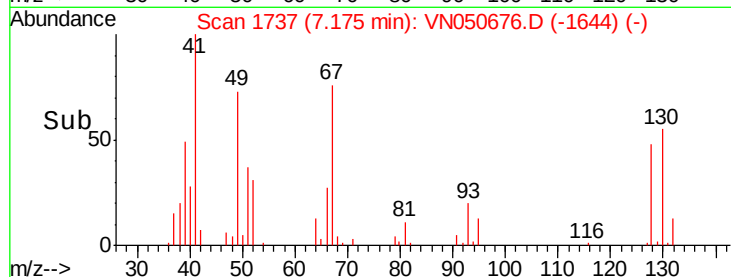
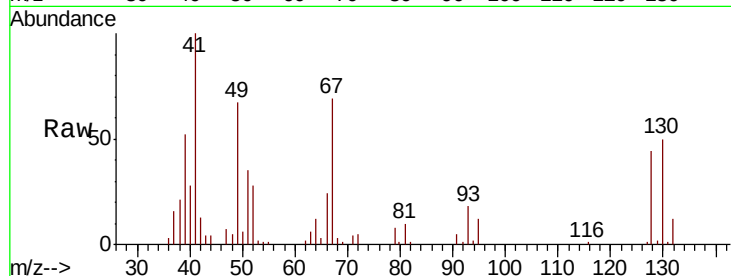
#41
Methacrylonitrile
Concen: 20.57 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS03

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.9	44.6	66.8	
67	89.6	66.7	100.1	
52	38.0	26.5	39.7	

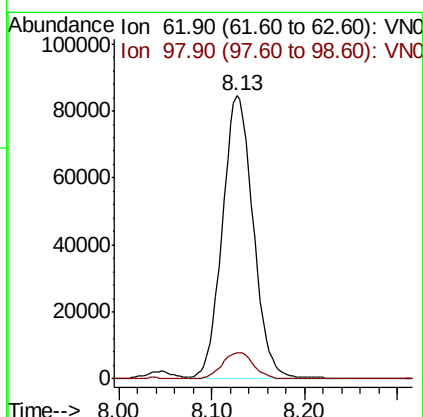
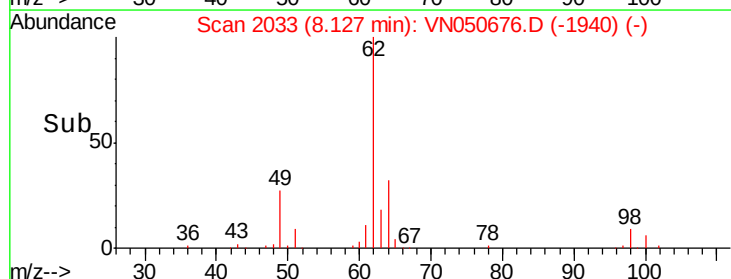
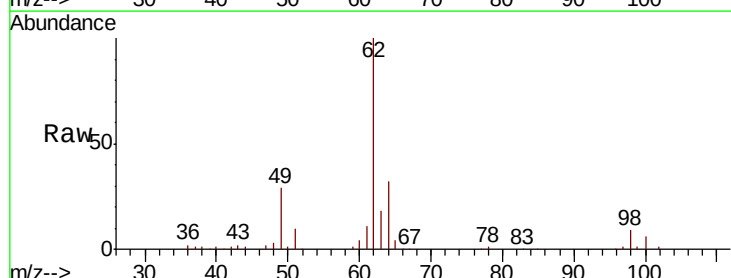
Manual Integrations
APPROVED

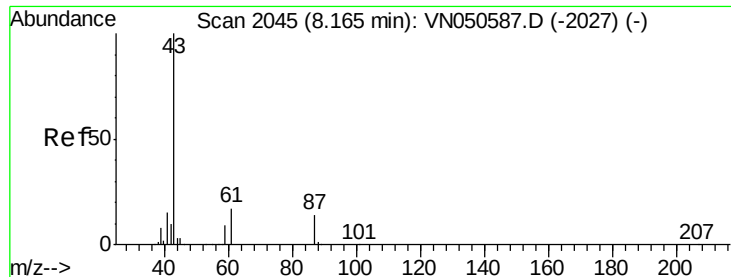
MMDadoda
8/16/2018 1:19:12 PM



#42
1,2-Dichloroethane
Concen: 20.55 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	19.4	





#43

Isopropyl Acetate

Concen: 20.97 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

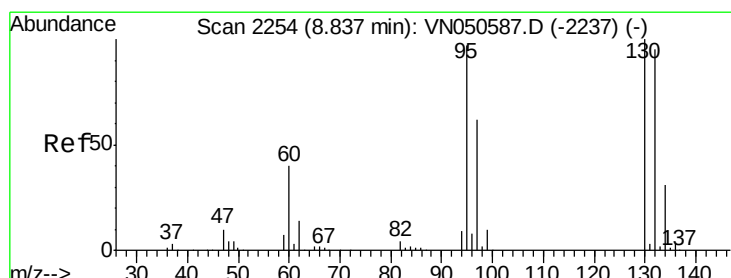
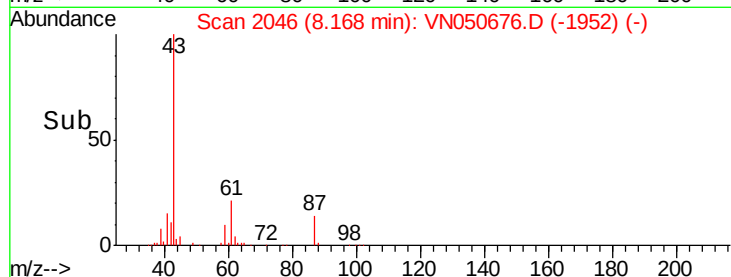
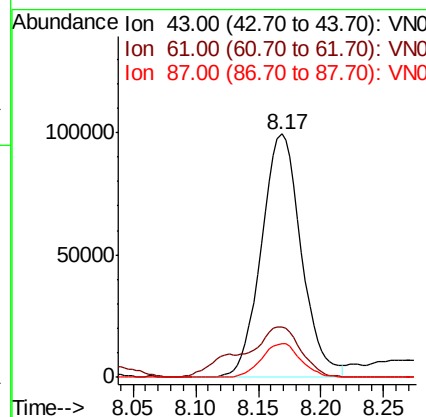
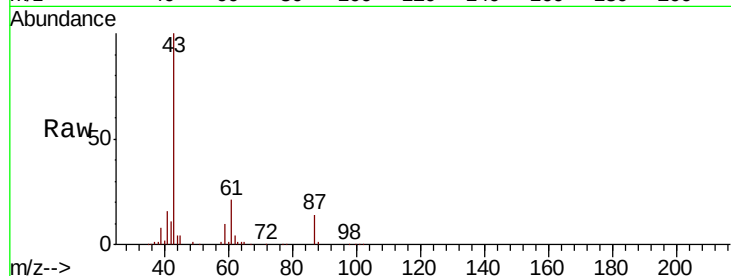
ClientSampleId :

VN0815WBS03

Tot Ion:	43	Resp:	219374
Ion Ratio	Lower	Upper	
43	100		
61	29.9	16.2	24.2#
87	13.9	10.9	16.3

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#44

Trichloroethene

Concen: 19.18 ug/l

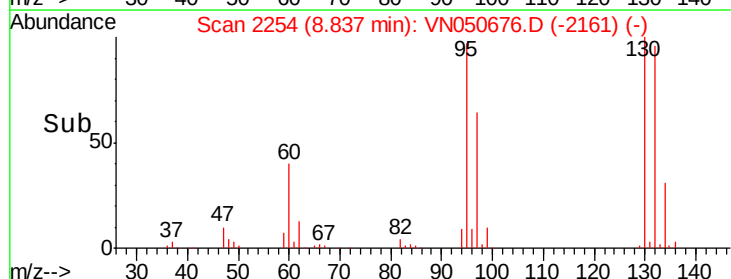
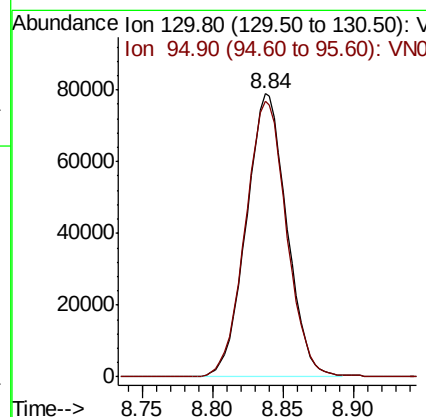
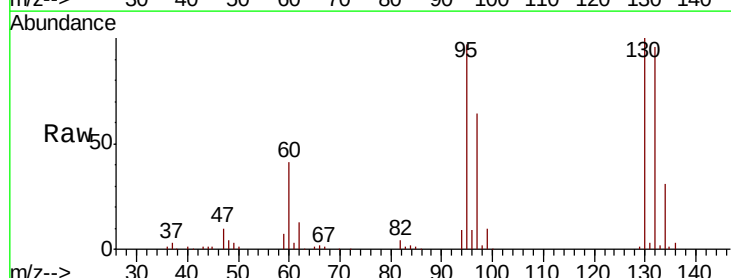
RT: 8.84 min Scan# 2254

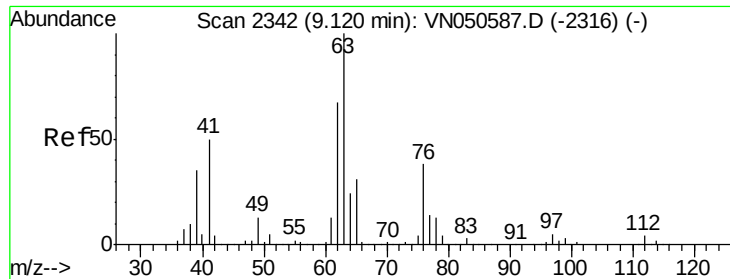
Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Tgt Ion:	130	Resp:	158741
Ion Ratio	Lower	Upper	
130	100		
95	97.4	0.0	193.8





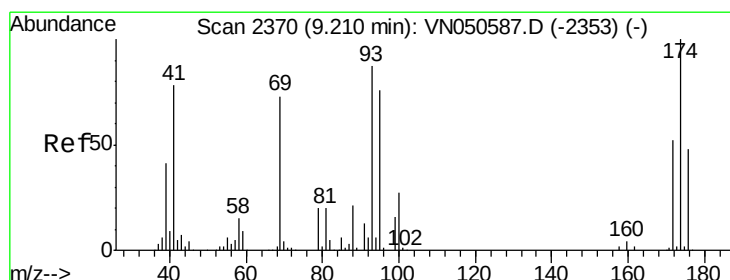
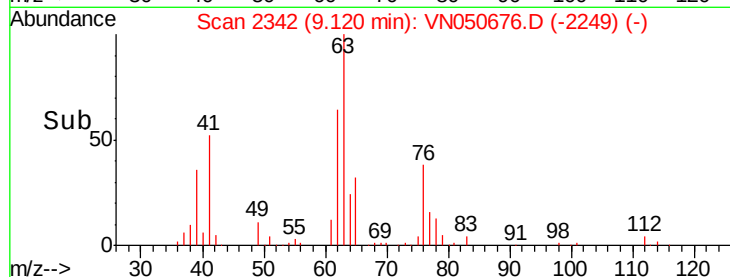
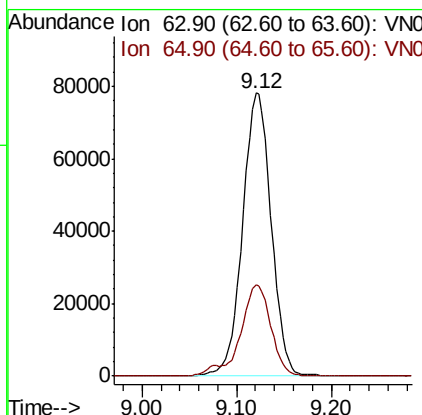
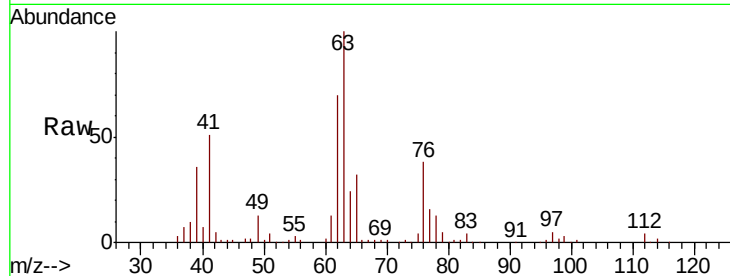
#45
 1,2-Dichloropropane
 Concen: 19.96 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS03

Tot Ion: 63 Resp: 164138
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.5 36.7

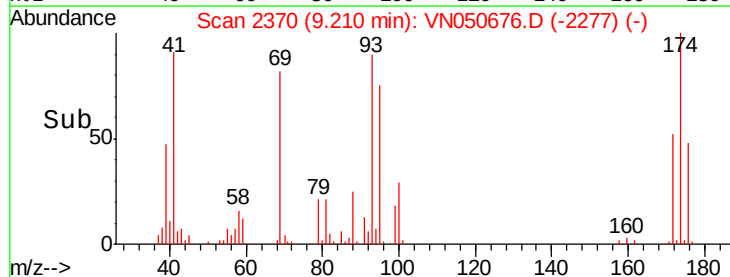
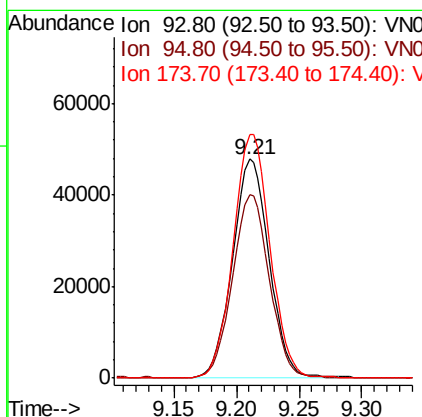
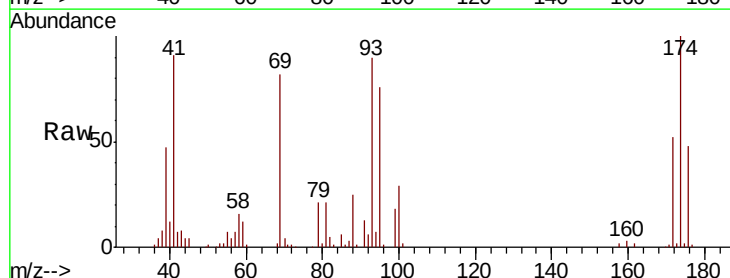
Manual Integrations
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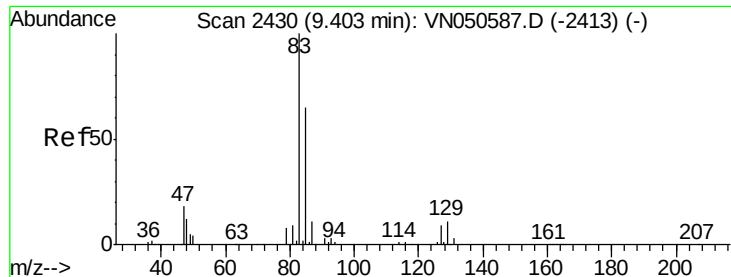
MMDadoda
 8/16/2018 1:19:12 PM



#46
 Dibromomethane
 Concen: 20.08 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Tgt Ion: 93 Resp: 97492
 Ion Ratio Lower Upper
 93 100
 95 84.1 69.1 103.7
 174 112.1 91.0 136.6





#47

Bromodichloromethane

Concen: 19.64 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

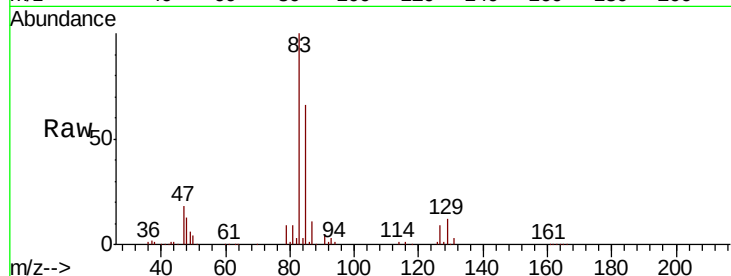
ClientSampleId :

VN0815WBS03

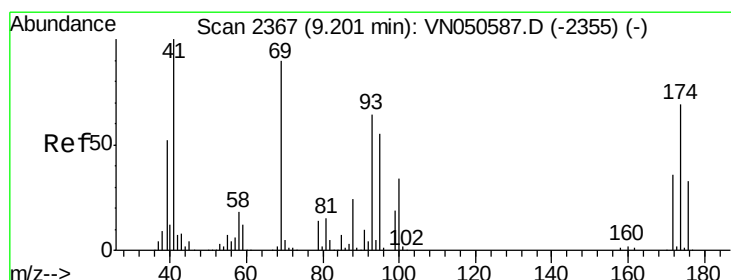
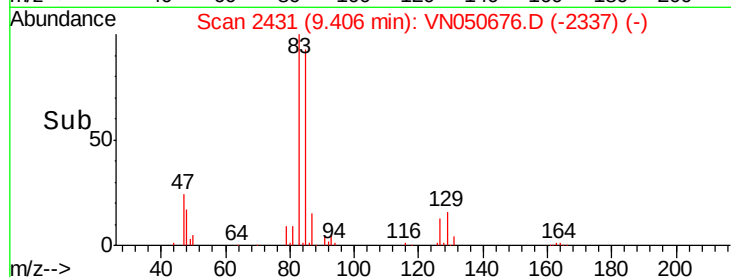
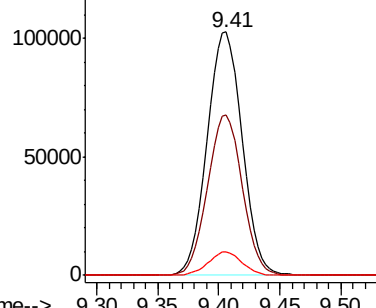
Tot Ion:	83	Resp:	203832
Ion Ratio	Lower	Upper	
83	100		
85	66.1	51.8	77.6
127	9.5	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.62 ug/l

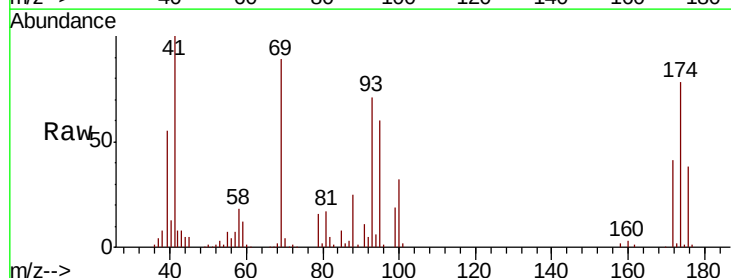
RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

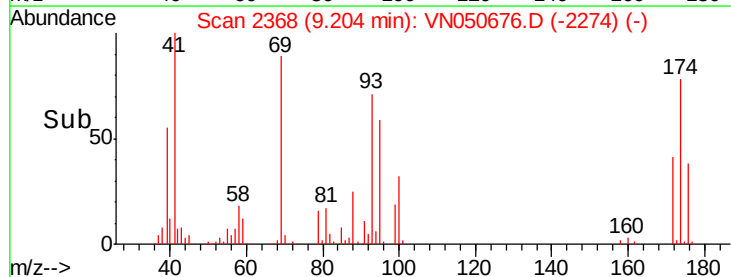
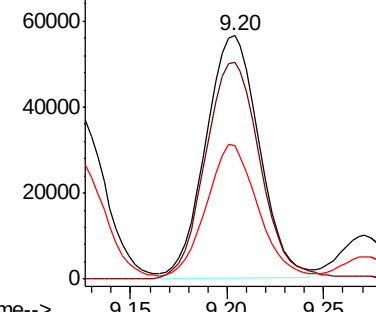
Lab File: VN050676.D

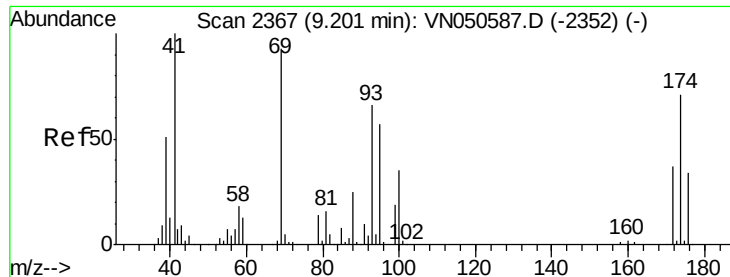
Acq: 16 Aug 2018 1:07

Tgt Ion:	41	Resp:	108533
Ion Ratio	Lower	Upper	
41	100		
69	91.6	73.4	110.0
39	53.7	43.0	64.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





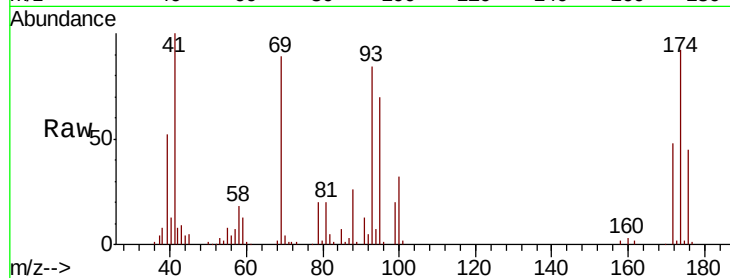
#49
 1,4-Dioxane
 Concen: 427.50 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. 0.01 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	25.9	38.9
58	70.6	56.5	84.7

Manual Integrations
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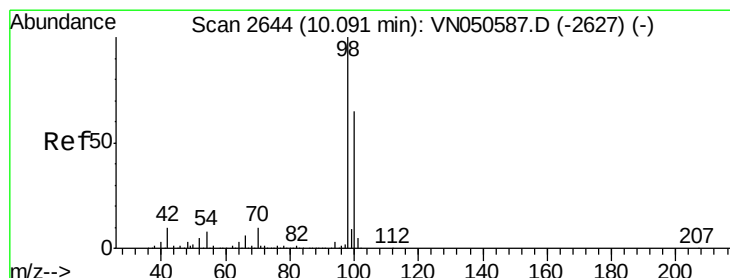
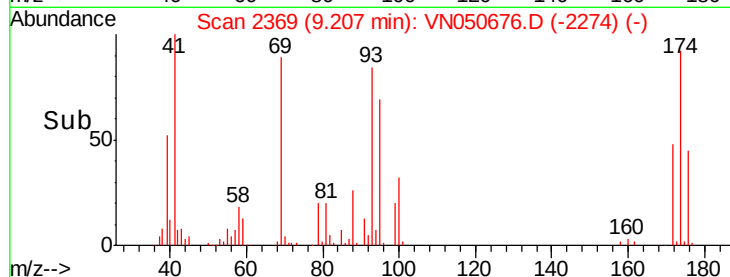
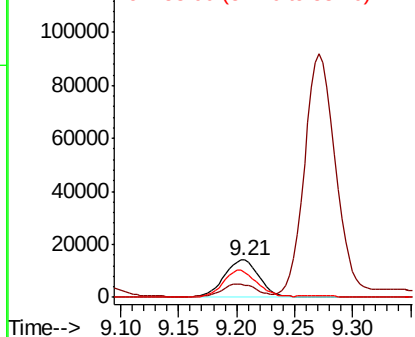


Abundance

Ion 88.00 (87.70 to 88.70): VN0

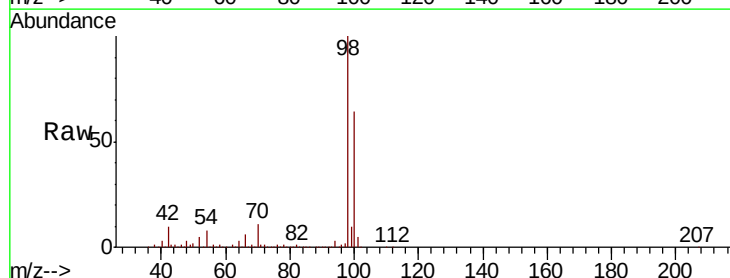
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
 Toluene-d8
 Concen: 50.48 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

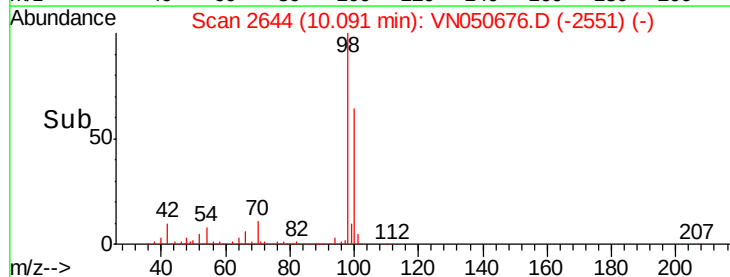
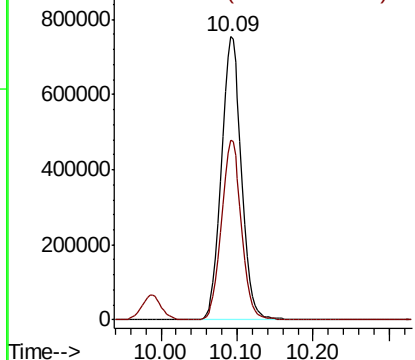
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.8	77.8

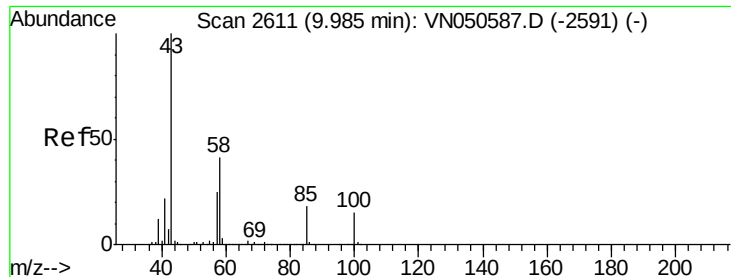


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





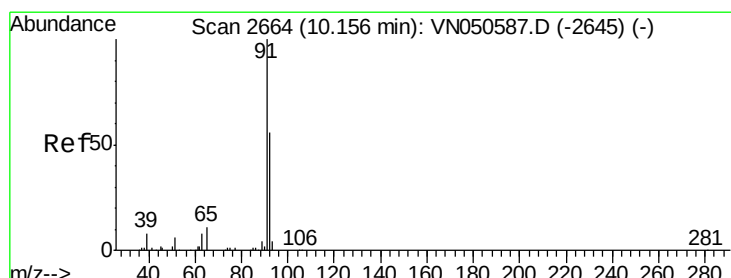
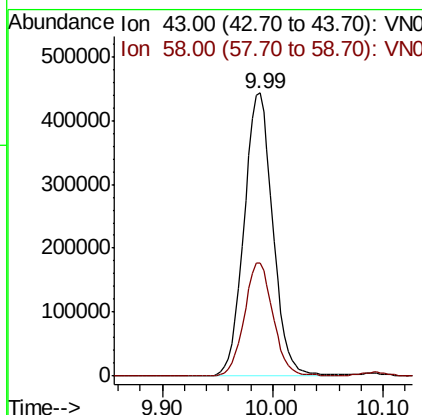
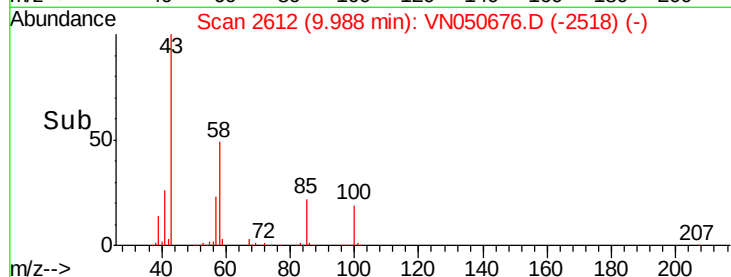
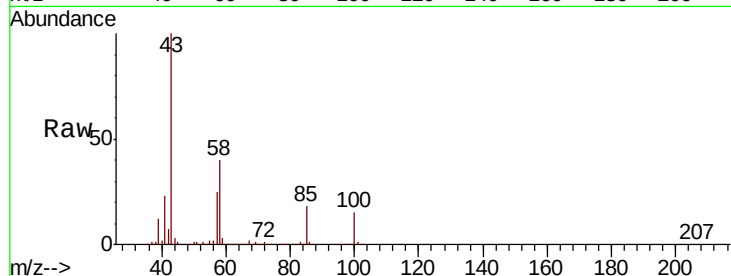
#51
4-Methyl-2-Pentanone
Concen: 112.77 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.5	48.7

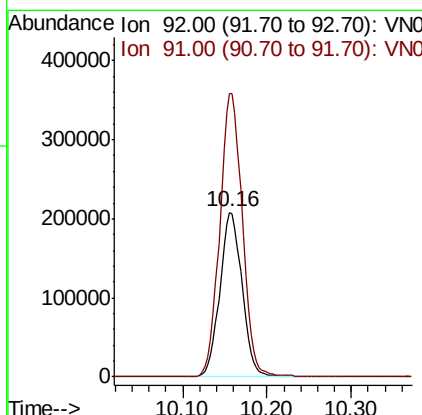
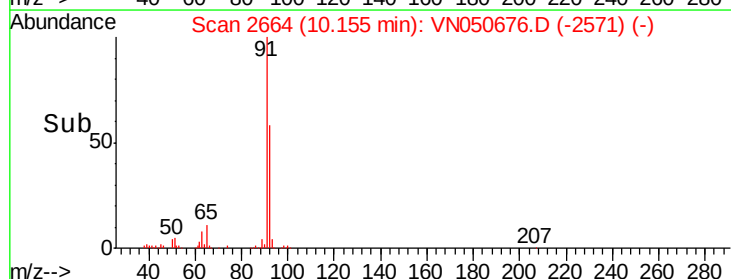
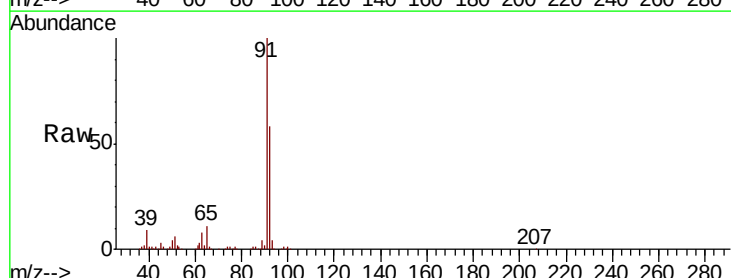
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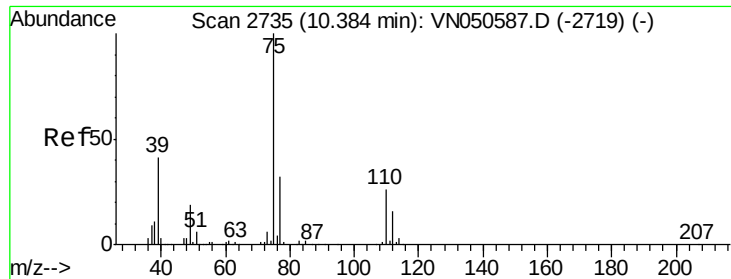
MMDadoda
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#52
Toluene
Concen: 20.65 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.1	141.9	212.9





#53

t-1,3-Dichloropropene

Concen: 19.11 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS03

Tot Ion: 75 Resp: 184799

Ion Ratio Lower Upper

75 100

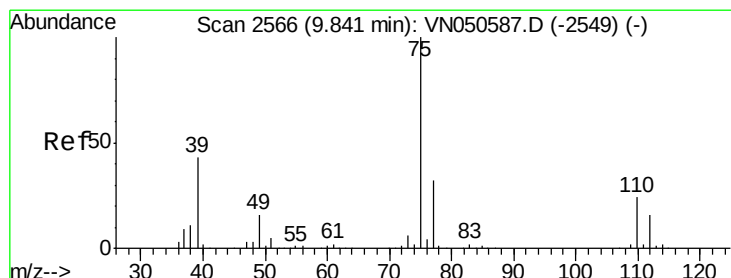
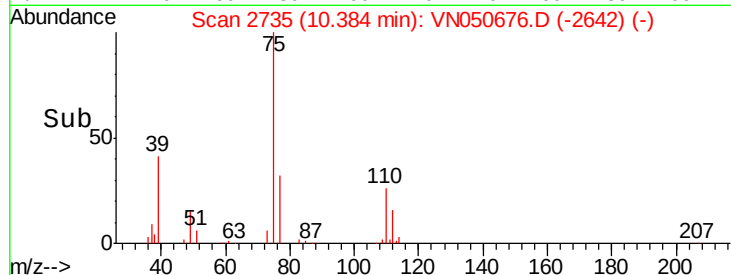
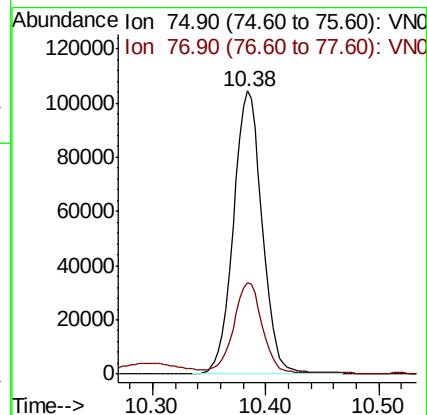
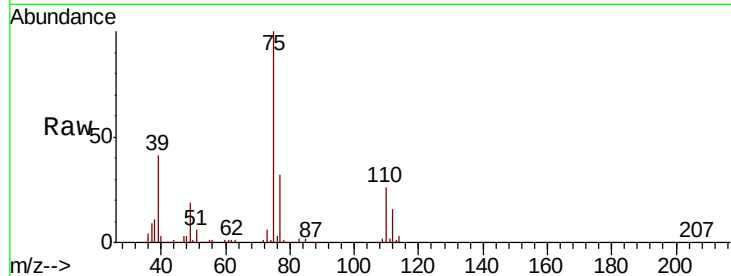
77 31.8 25.8 38.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.67 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

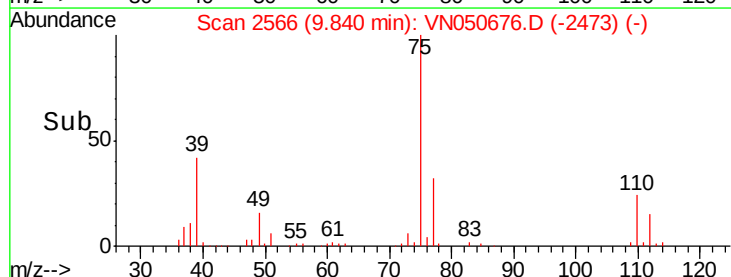
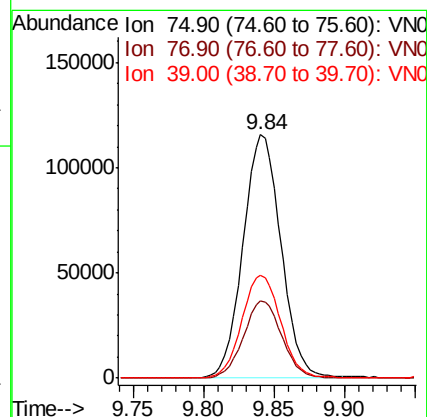
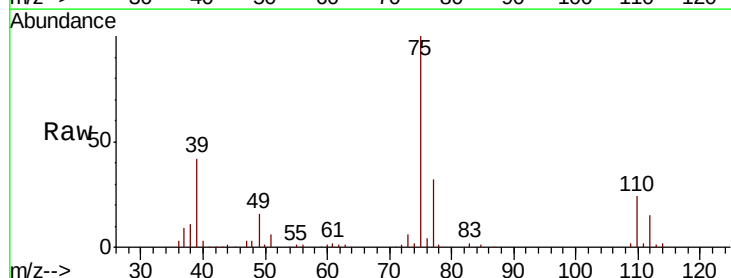
Tgt Ion: 75 Resp: 218142

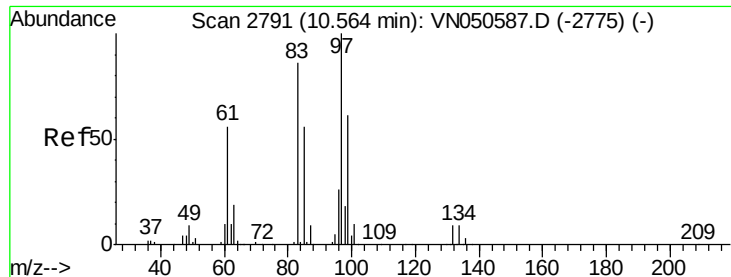
Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

39 42.2 34.4 51.6





#55

1,1,2-Trichloroethane

Concen: 20.50 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

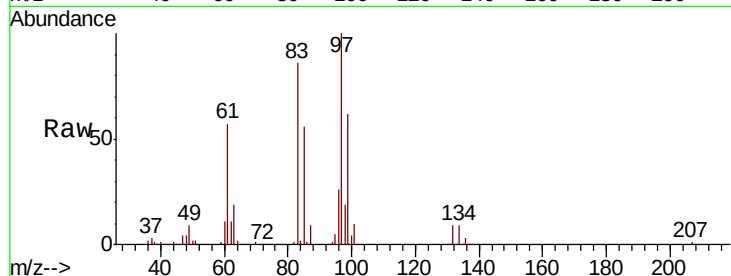
ClientSampleId :

VN0815WBS03

Tot Ion:	97	Resp:	141273
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.5	102.7
85	55.6	44.6	66.8
99	62.5	49.1	73.7

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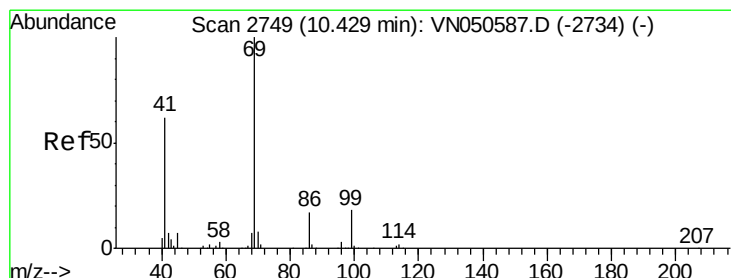
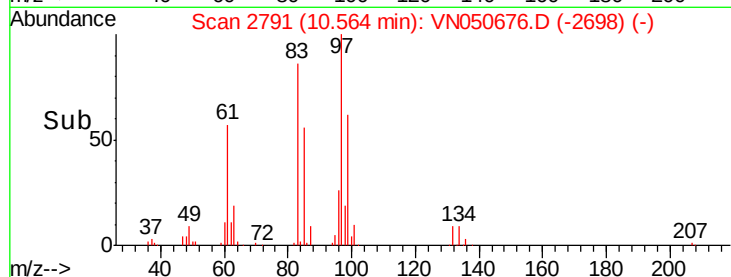
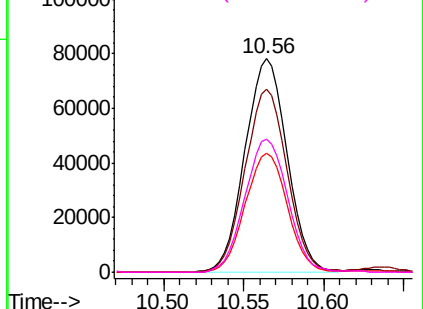


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.67 ug/l

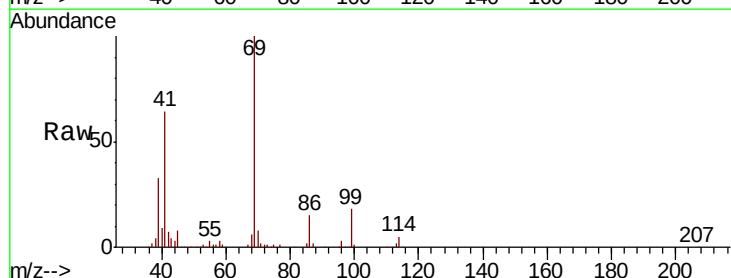
RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

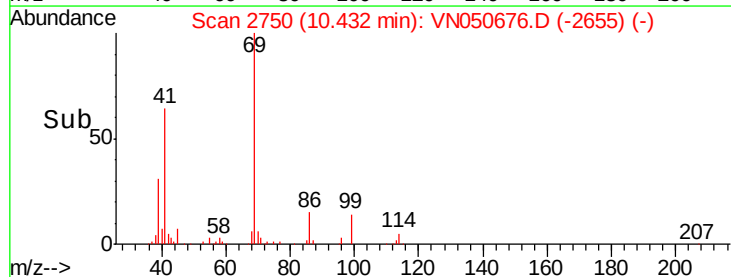
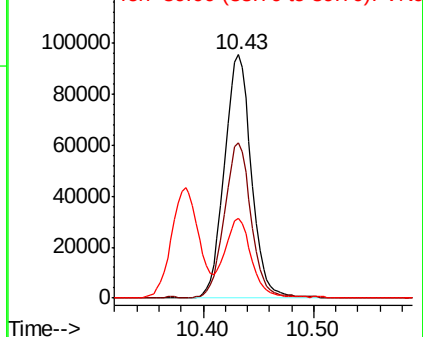
Tgt Ion:	69	Resp:	162335
Ion	Ratio	Lower	Upper
69	100		
41	62.7	49.7	74.5
39	32.0	24.2	36.2

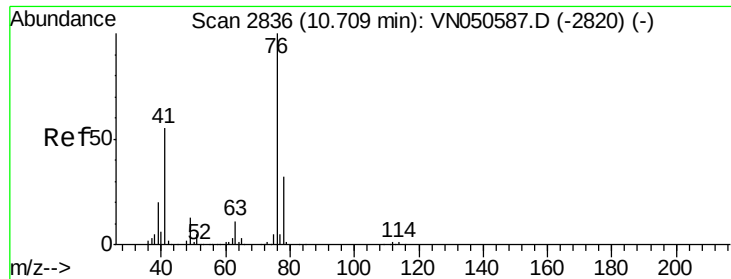


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.51 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

ClientSampled :

VN0815WBS03

Tot Ion: 76 Resp: 231695

Ion Ratio Lower Upper

76 100

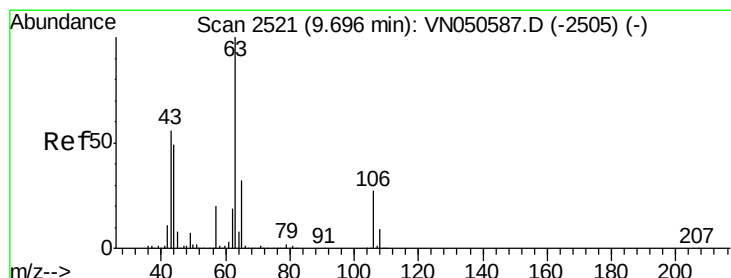
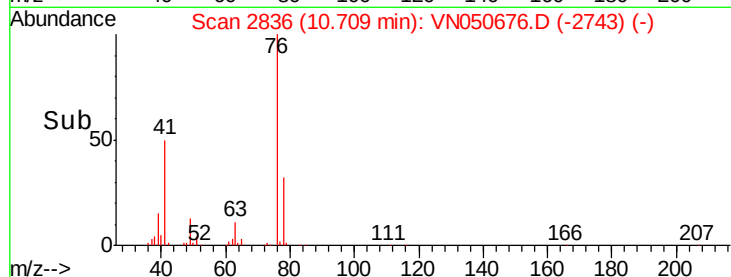
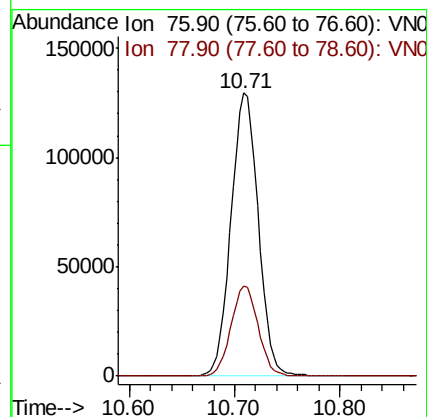
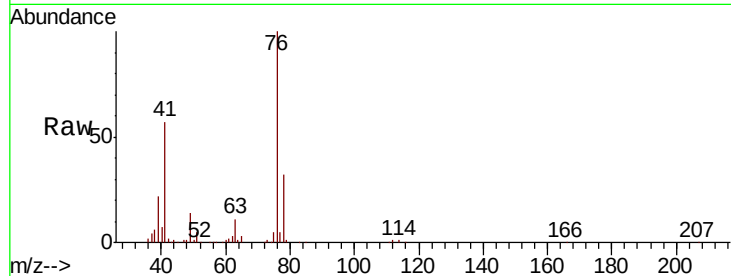
78 32.0 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 100.63 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050676.D

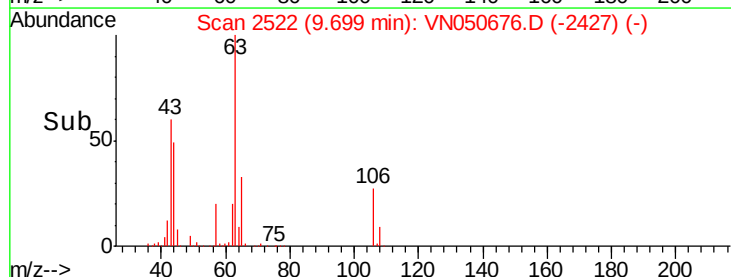
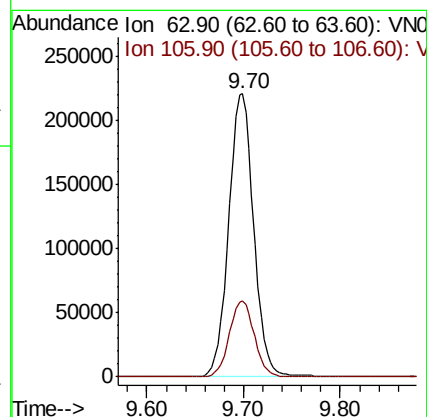
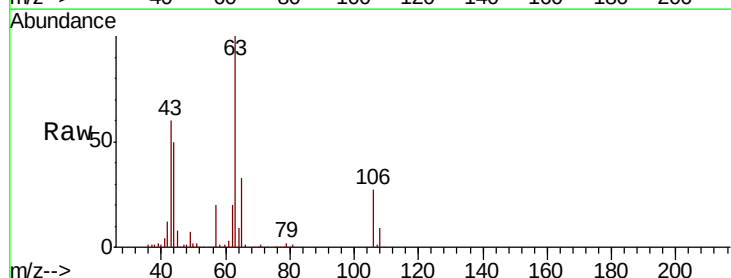
Acq: 16 Aug 2018 1:07

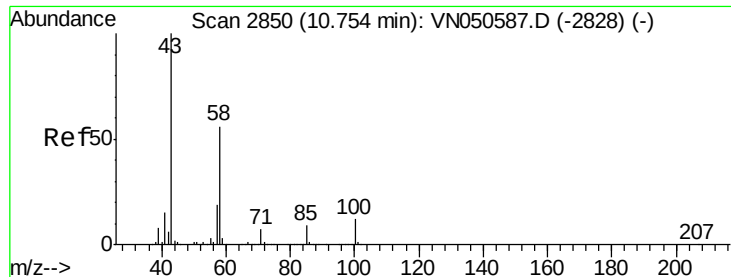
Tgt Ion: 63 Resp: 396383

Ion Ratio Lower Upper

63 100

106 26.8 21.7 32.5





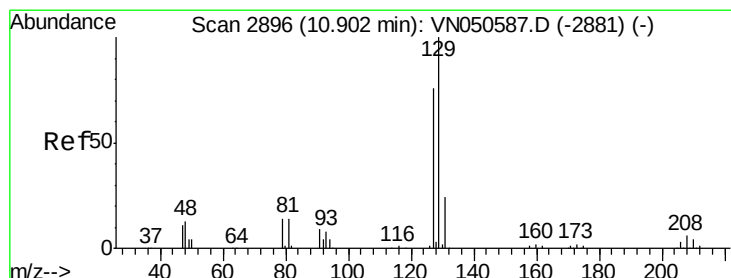
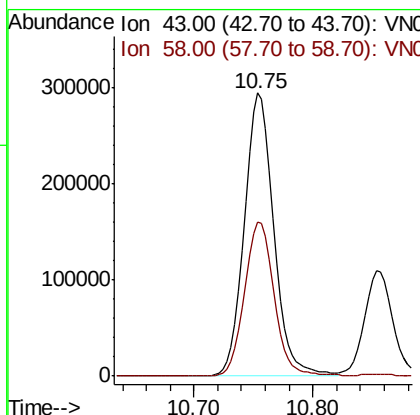
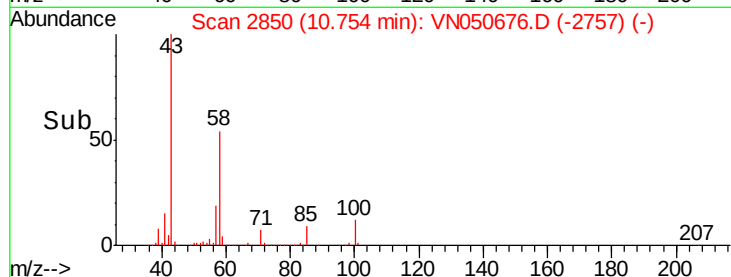
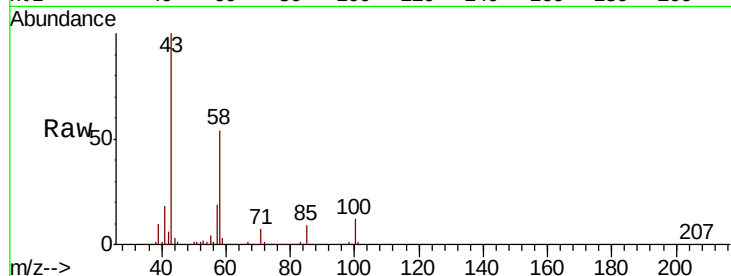
#59
2-Hexanone
Concen: 110.41 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	28.0	84.0

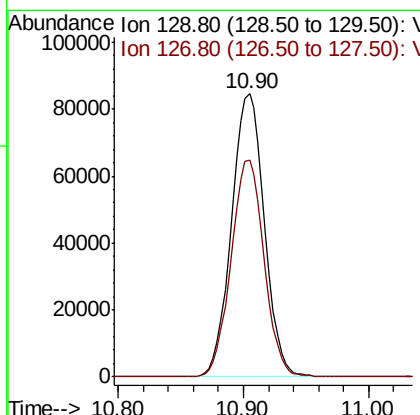
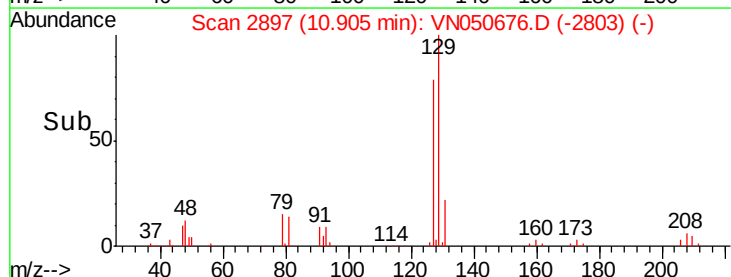
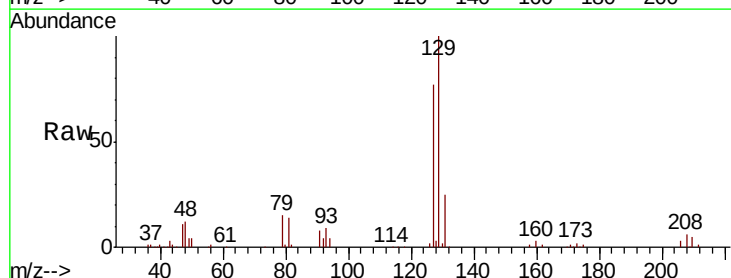
Manual Integrations
APPROVED

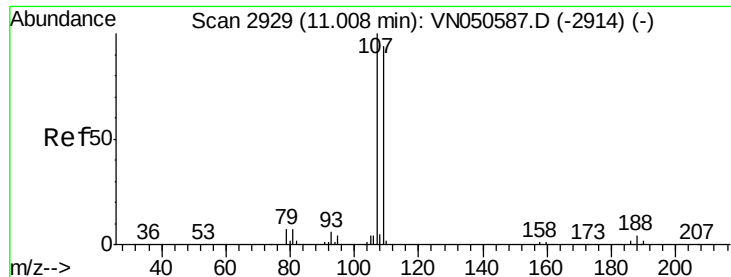
MMDadoda
8/16/2018 1:19:12 PM



#60
Dibromochloromethane
Concen: 20.23 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.9	116.7





#61

1,2-Dibromoethane

Concen: 20.49 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS03

Tot Ion: 107 Resp: 134441

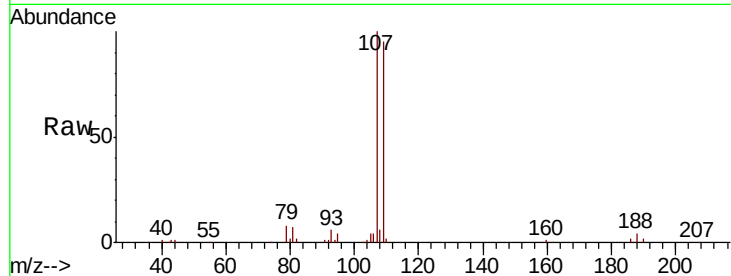
Ion Ratio Lower Upper

107 100

109 95.5 75.7 113.5

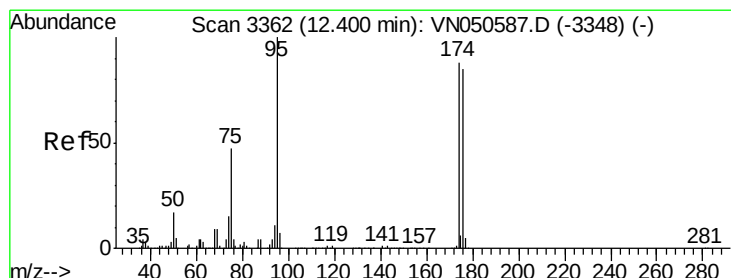
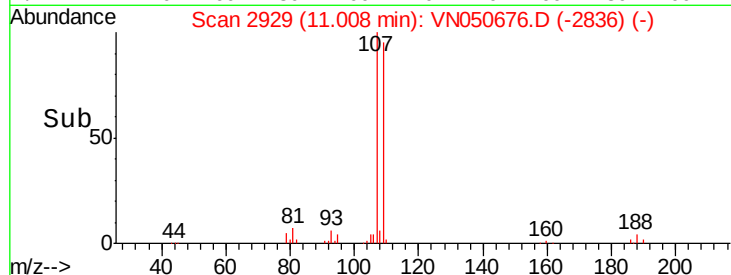
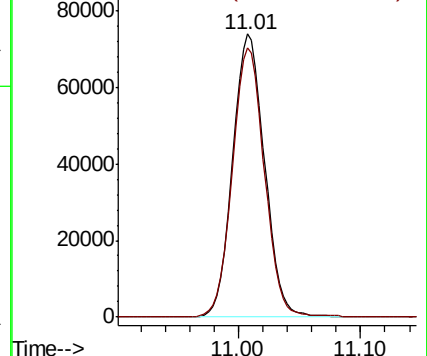
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

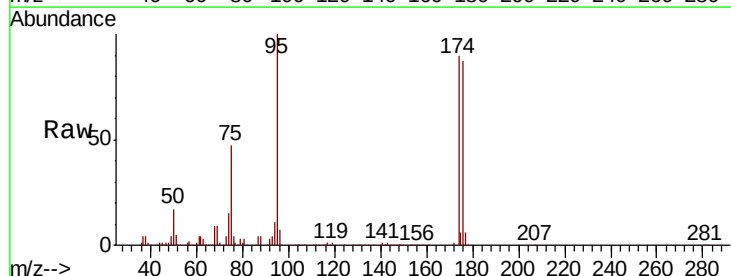
Tgt Ion: 95 Resp: 434175

Ion Ratio Lower Upper

95 100

174 89.7 0.0 177.8

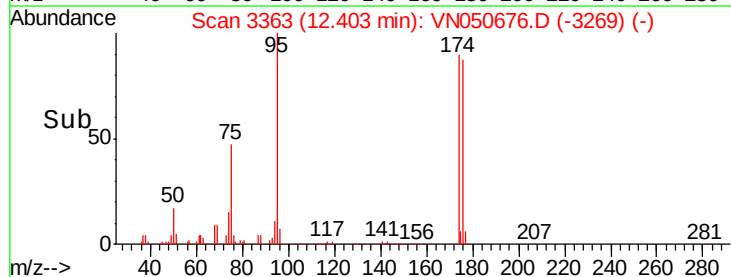
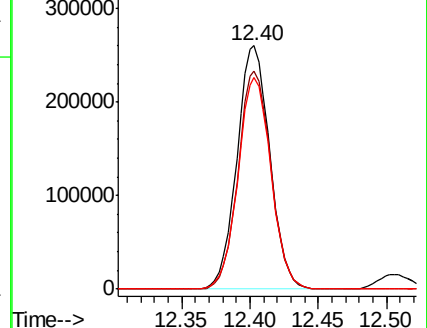
176 87.2 0.0 175.0

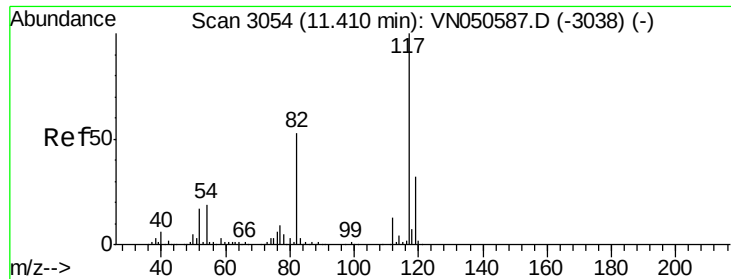


Abundance Ion 94.90 (94.60 to 95.60): V

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: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

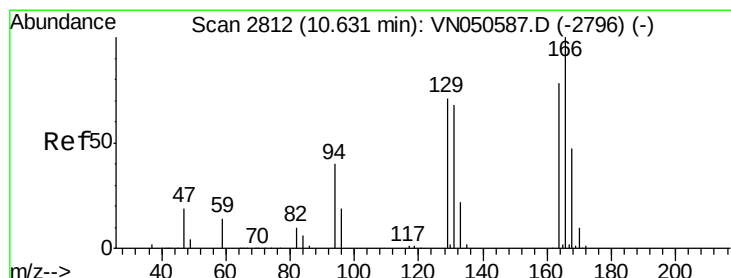
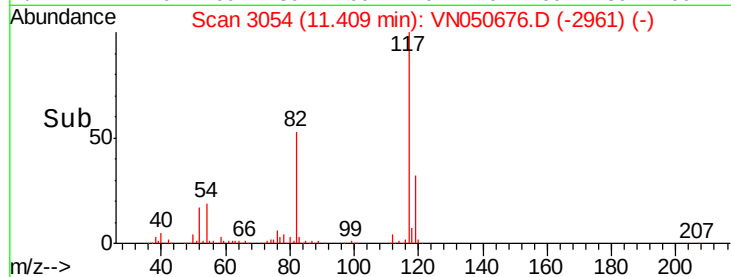
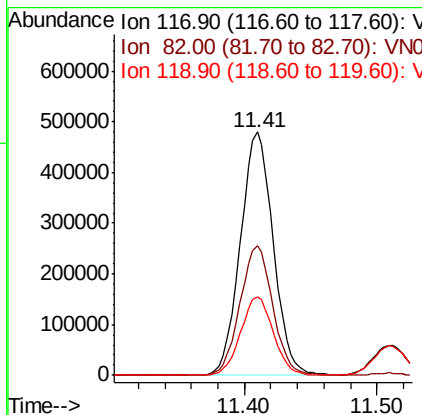
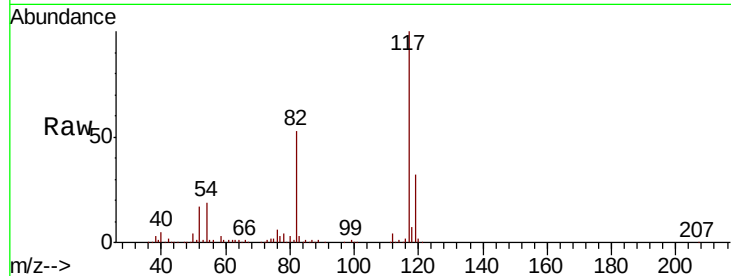
ClientSampleId :

VN0815WBS03

Tot Ion:	117	Resp:	826462
Ion Ratio	Lower	Upper	
117	100		
82	53.0	42.4	63.6
119	32.5	25.8	38.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 20.48 ug/l

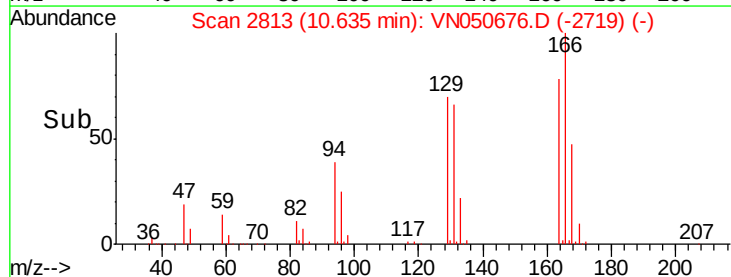
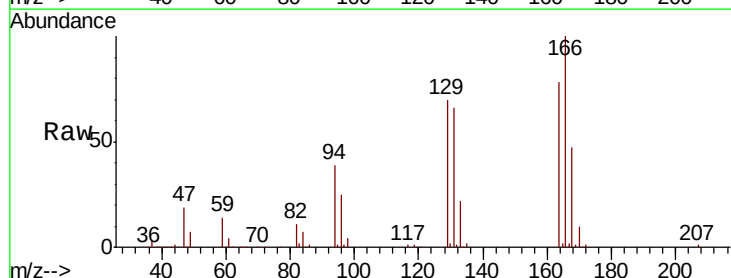
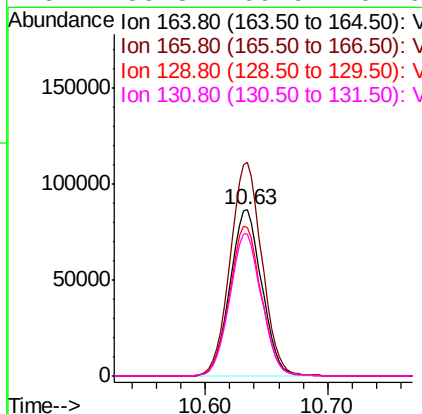
RT: 10.63 min Scan# 2813

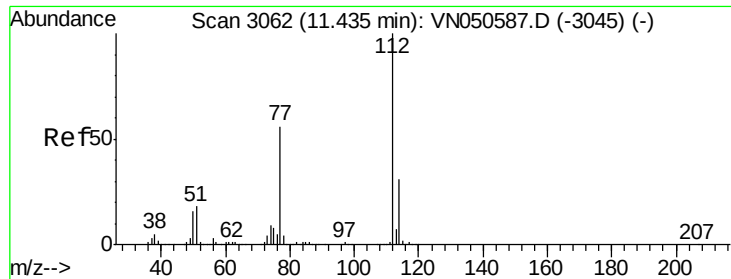
Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Tgt Ion:	164	Resp:	157169
Ion Ratio	Lower	Upper	
164	100		
166	128.7	102.1	153.1
129	89.6	72.7	109.1
131	85.3	69.9	104.9





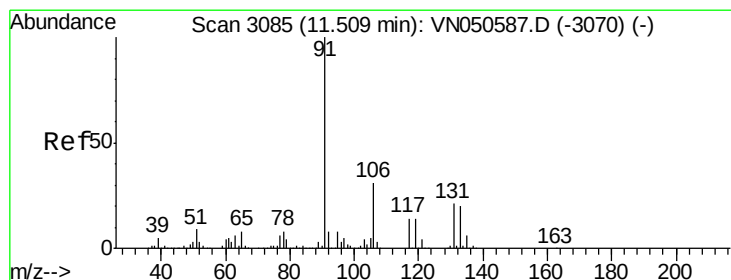
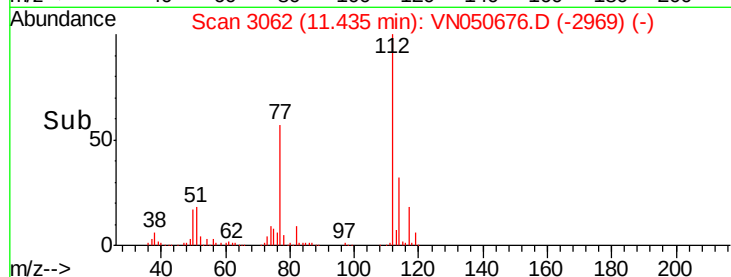
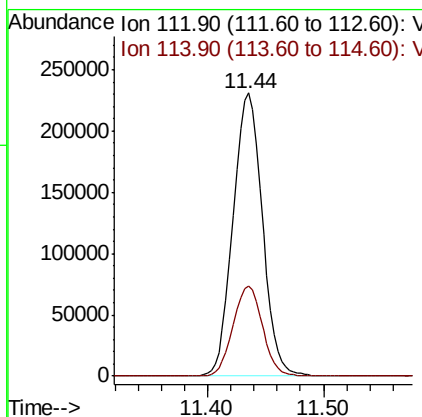
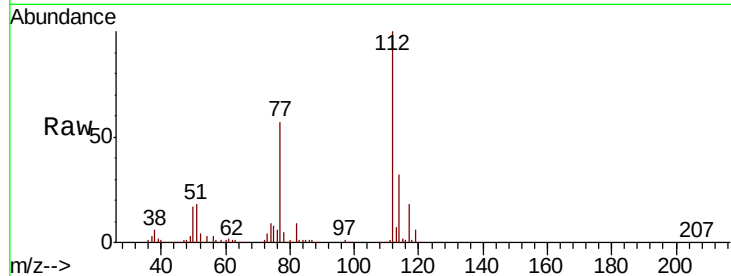
#65
Chlorobenzene
Concen: 19.63 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS03

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.2	37.8

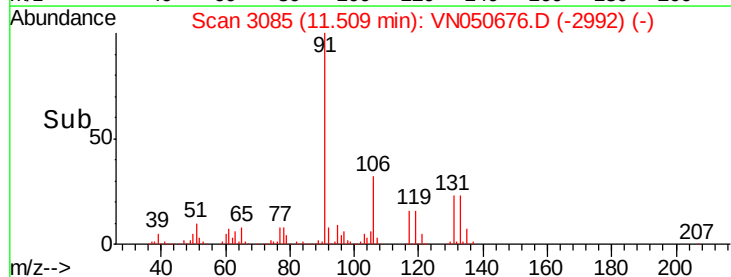
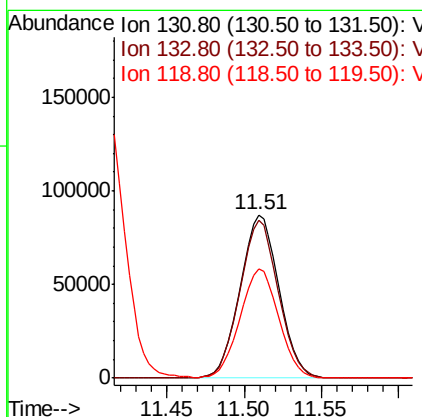
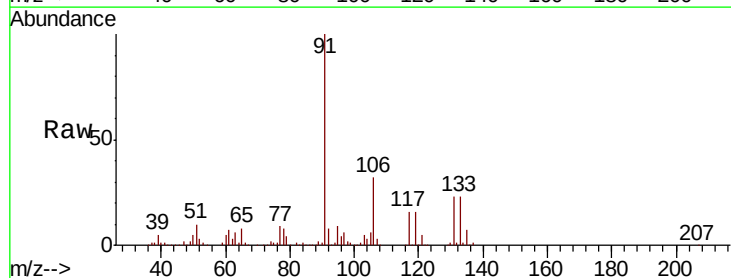
Manual Integrations
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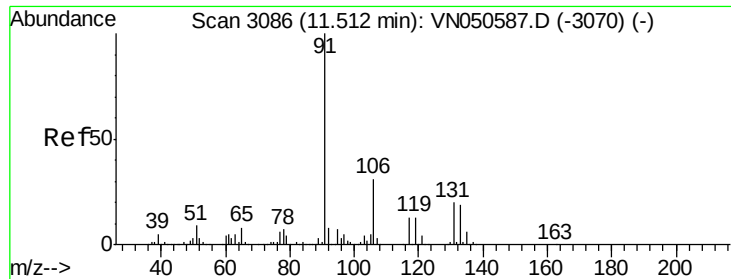
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.67 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.6	142.9
119	66.8	33.1	99.3





#67

Ethyl Benzene

Concen: 19.88 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS03

Tot Ion: 91 Resp: 660119

Ion Ratio Lower Upper

91 100

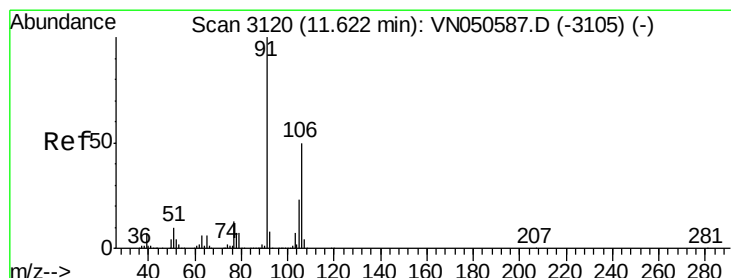
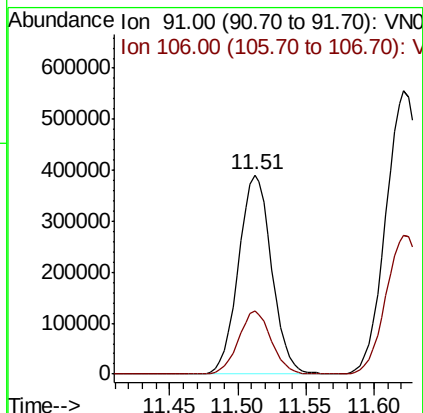
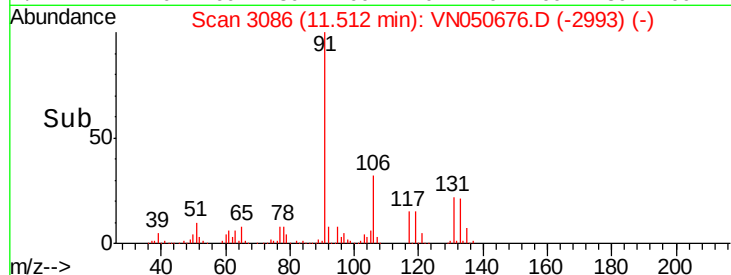
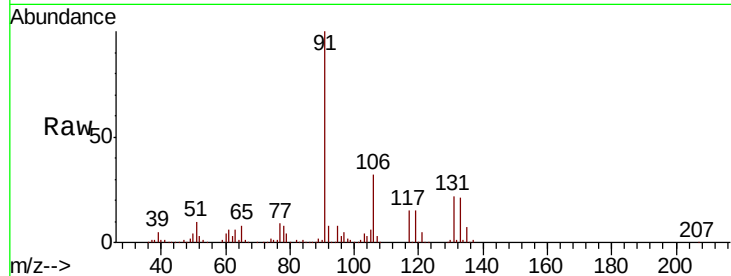
106 31.7 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.02 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050676.D

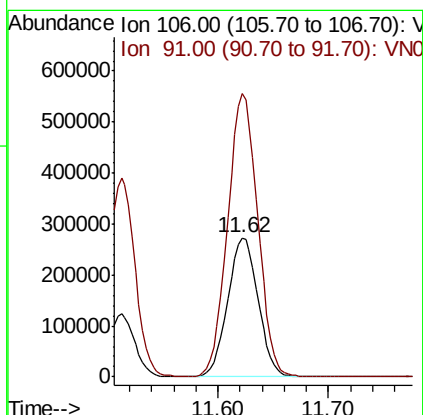
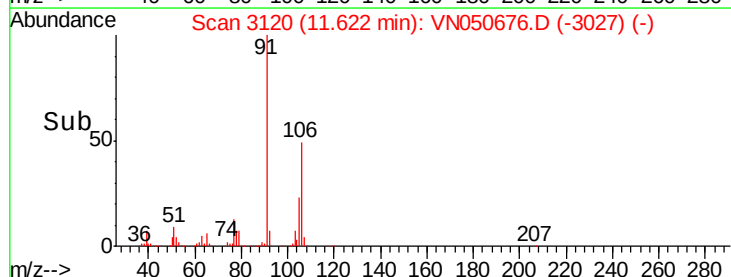
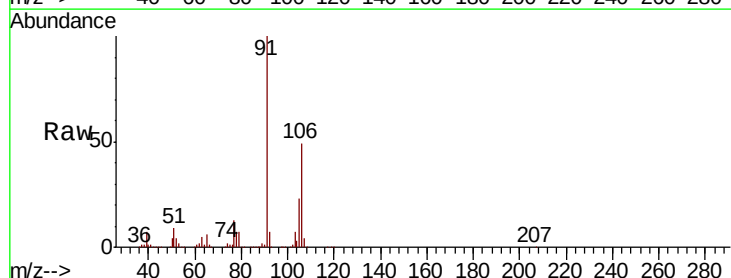
Acq: 16 Aug 2018 1:07

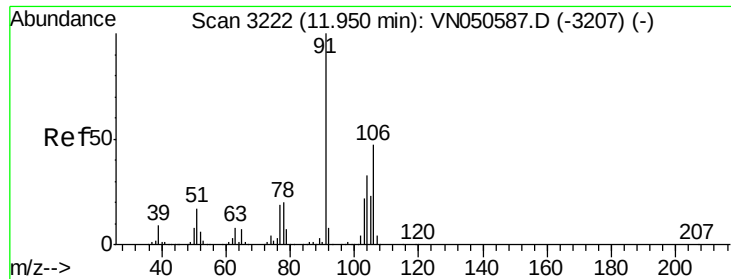
Tgt Ion: 106 Resp: 520990

Ion Ratio Lower Upper

106 100

91 202.0 161.5 242.3





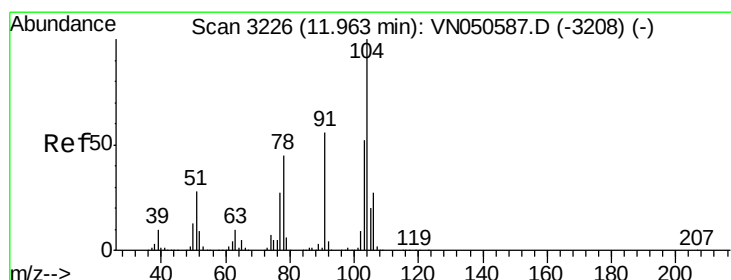
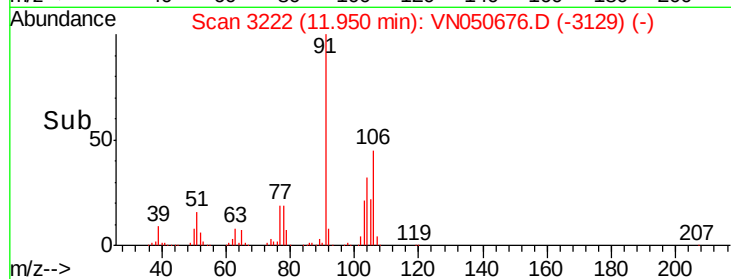
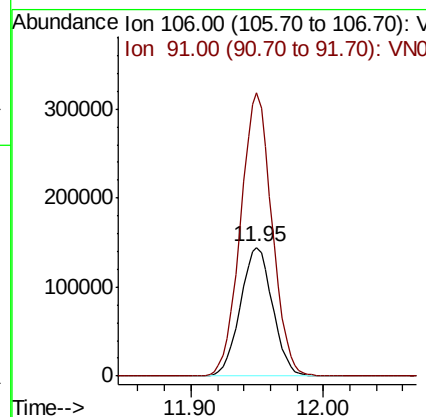
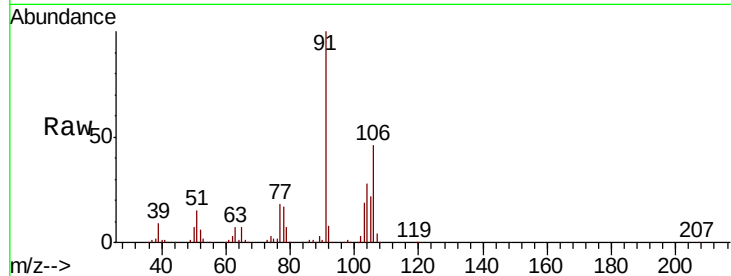
#69
o-Xylene
Concen: 20.09 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS03

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.6	106.8	320.4

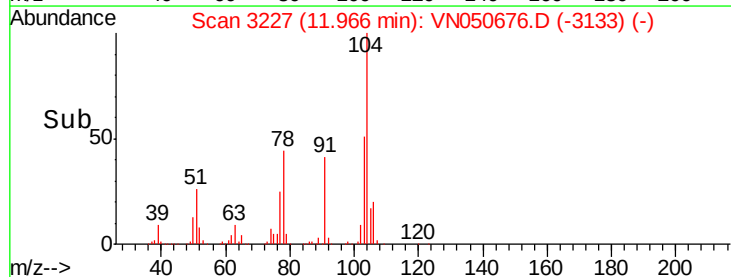
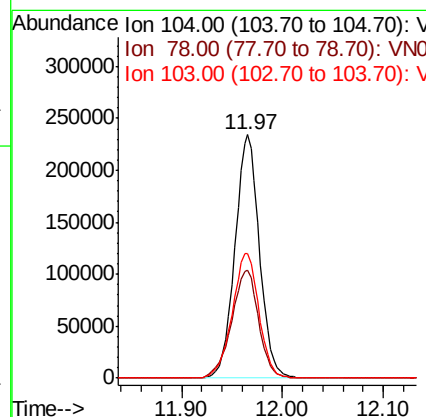
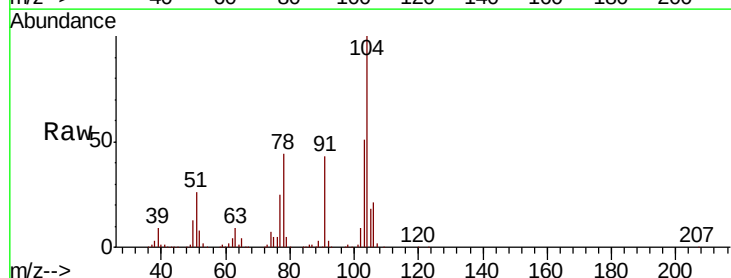
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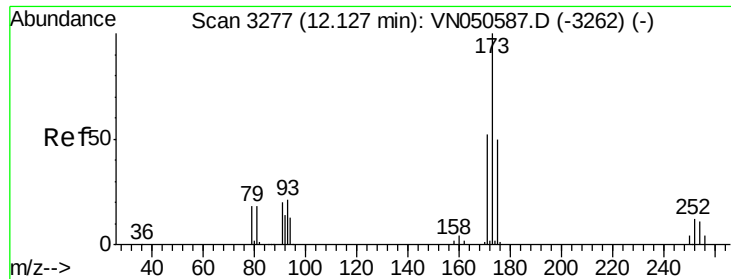
MMDadoda
8/16/2018 1:19:12 PM



#70
Styrene
Concen: 18.97 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.1	58.7
103	56.1	44.9	67.3





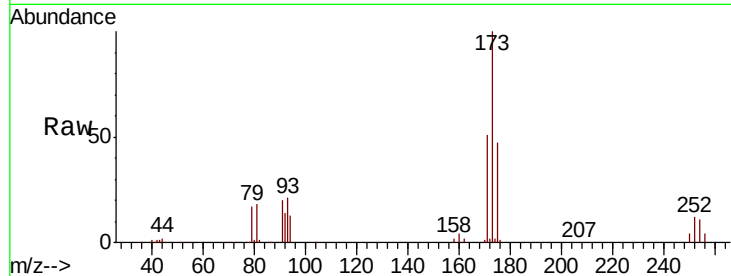
#71
Bromoform
Concen: 20.50 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS03

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
8/16/2018 1:19:12 PM

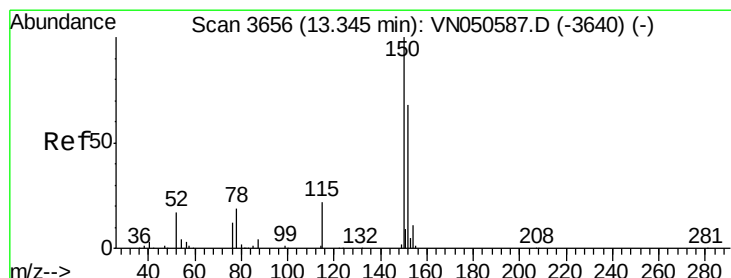
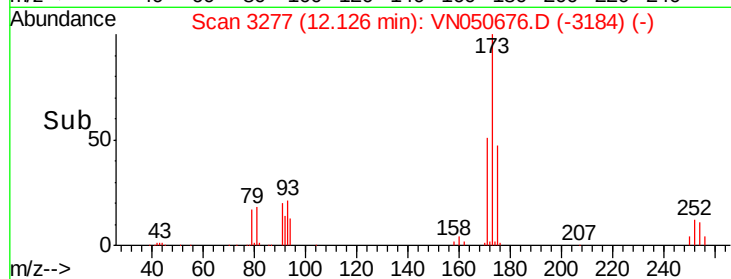
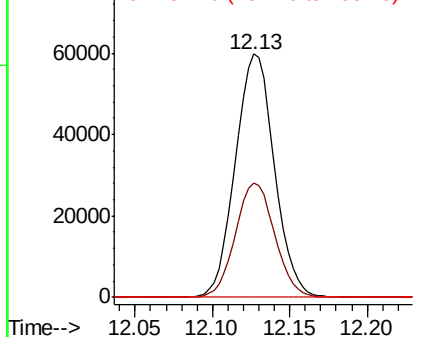


Abundance

Ion 172.70 (172.40 to 173.40): V

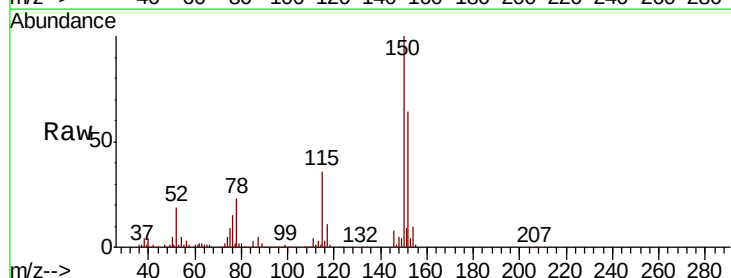
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.1	84.2
150	162.4	0.0	347.8

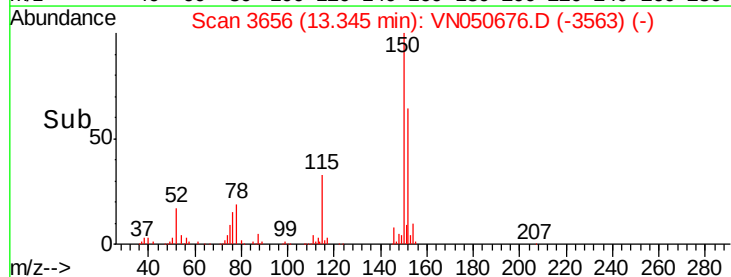
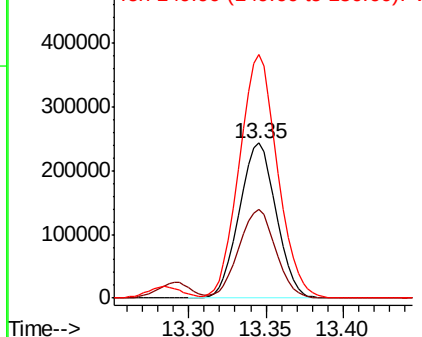


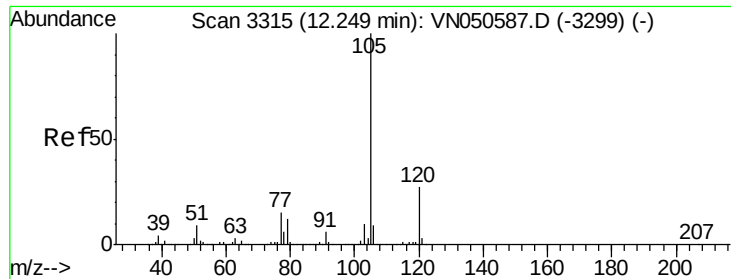
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.56 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS03

Tot Ion: 105 Resp: 650131

Ion Ratio Lower Upper

105 100

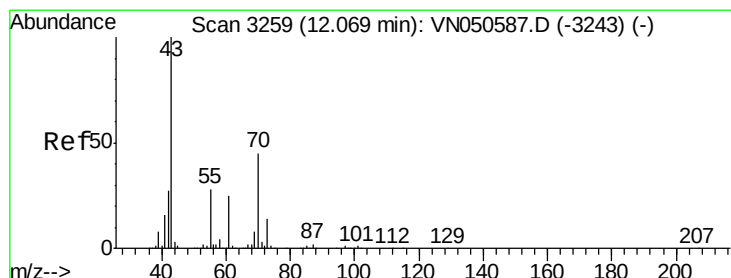
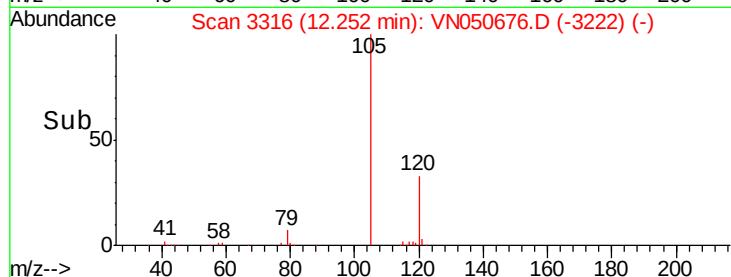
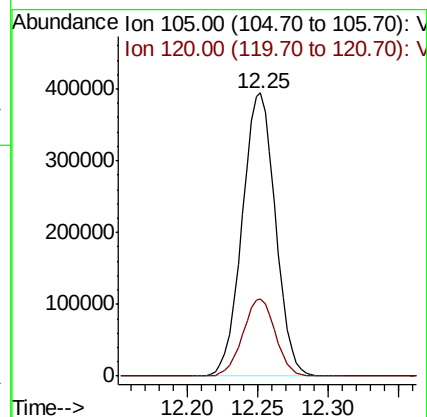
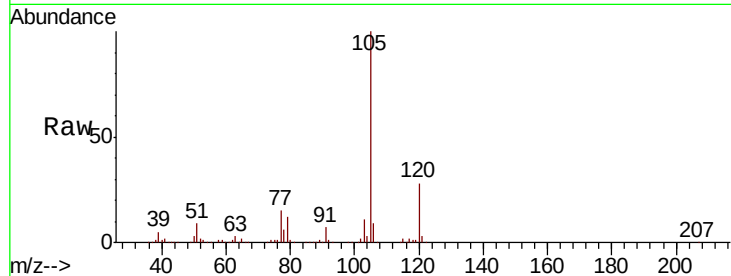
120 26.8 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.88 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Tgt Ion: 43 Resp: 171794

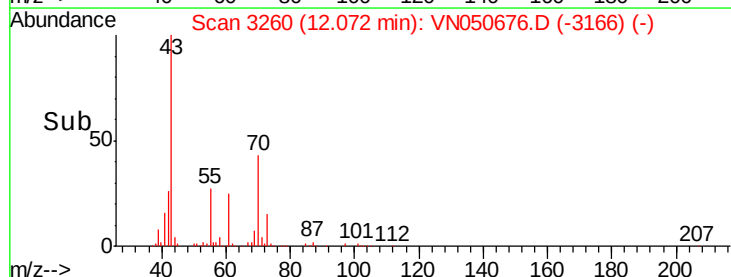
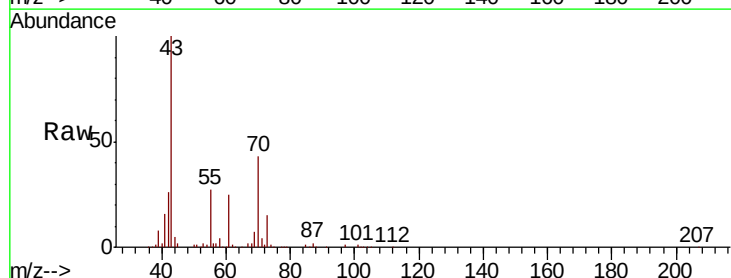
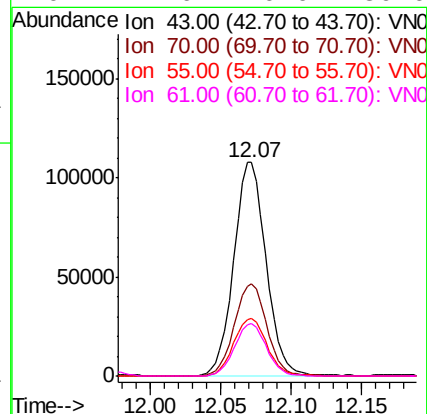
Ion Ratio Lower Upper

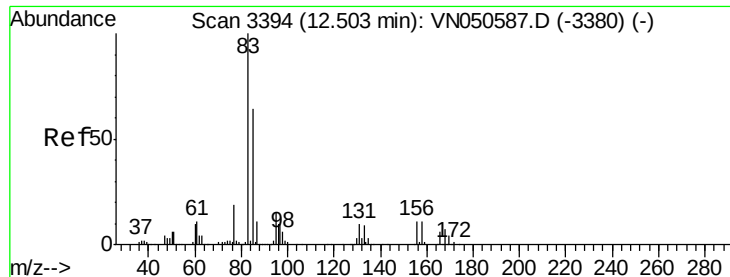
43 100

70 43.8 35.9 53.9

55 27.9 22.2 33.4

61 24.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.64 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

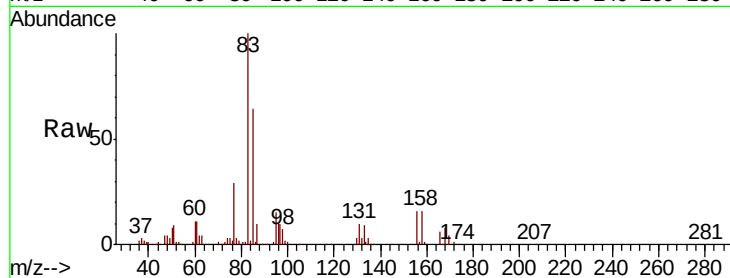
ClientSampled :

VN0815WBS03

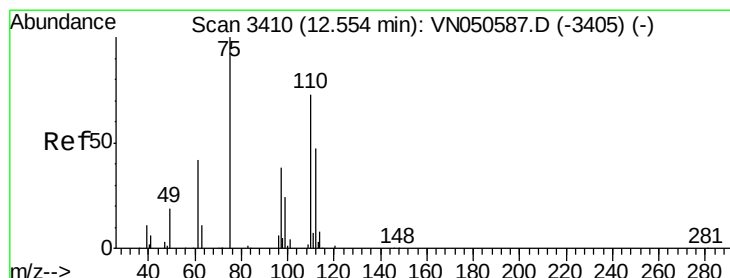
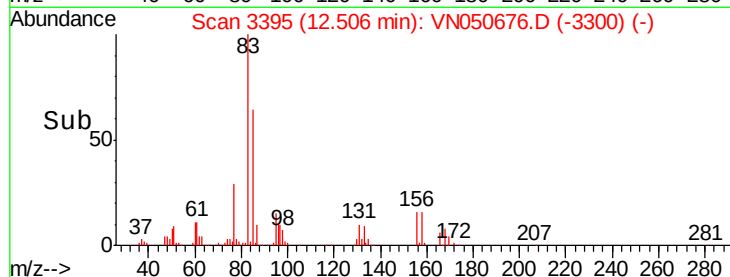
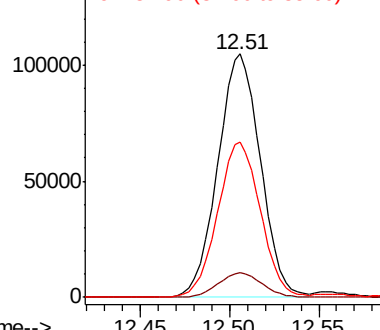
Tot Ion:	83	Resp:	175573
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	63.8	32.1	96.5

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



#76

1,2,3-Trichloropropane

Concen: 20.97 ug/l m

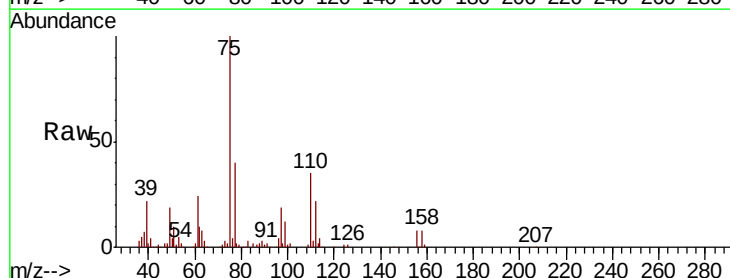
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

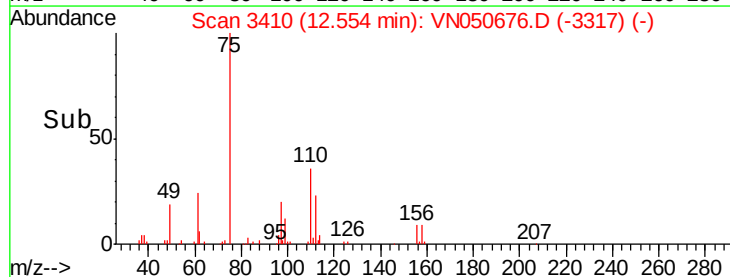
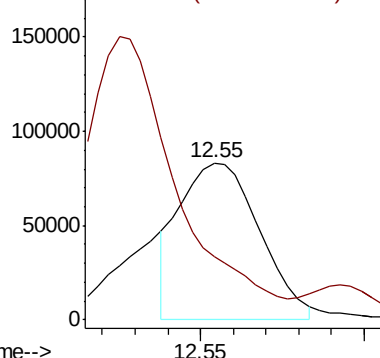
Lab File: VN050676.D

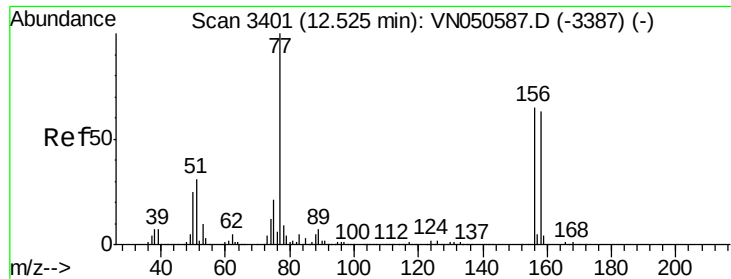
Acq: 16 Aug 2018 1:07

Tgt Ion:	75	Resp:	141069
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) (-)





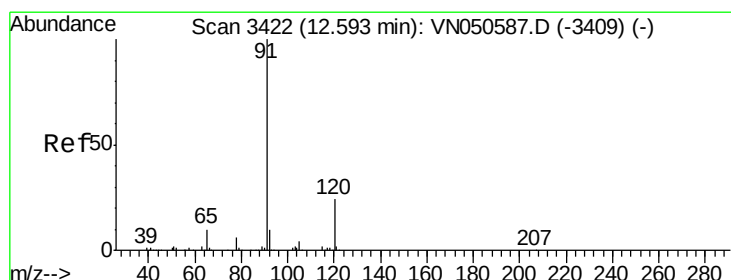
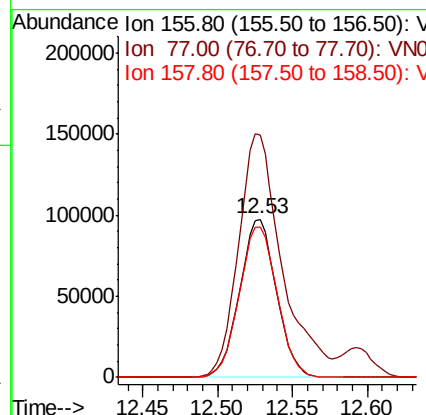
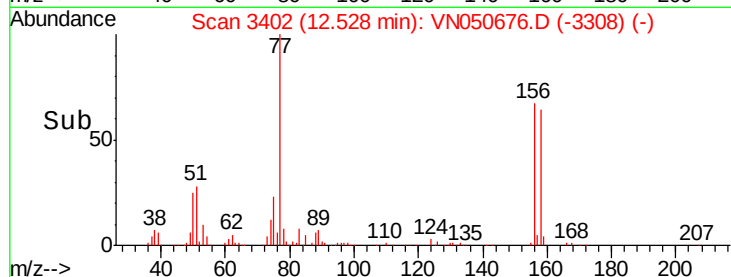
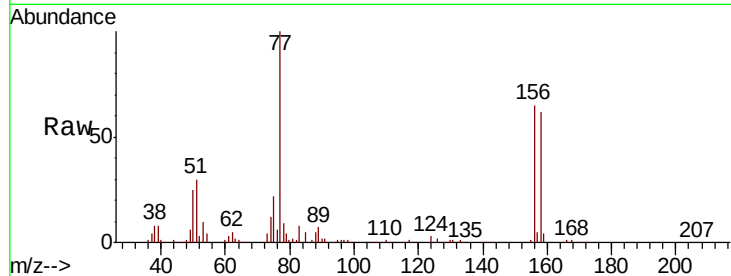
#77
Bromobenzene
Concen: 19.40 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS03

Tot Ion	Ratio	Lower	Upper
156	100		
77	182.4	89.0	267.1
158	98.1	48.5	145.6

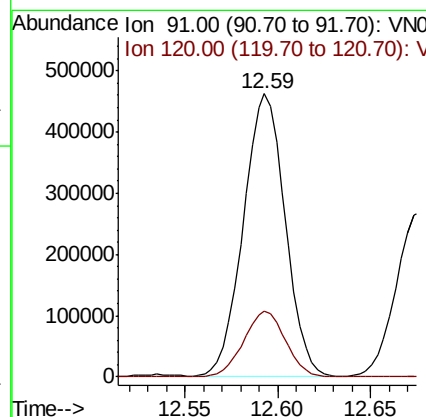
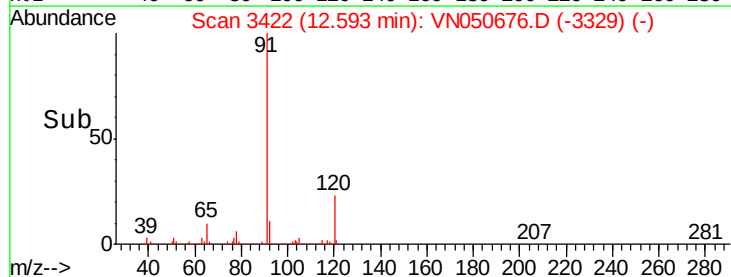
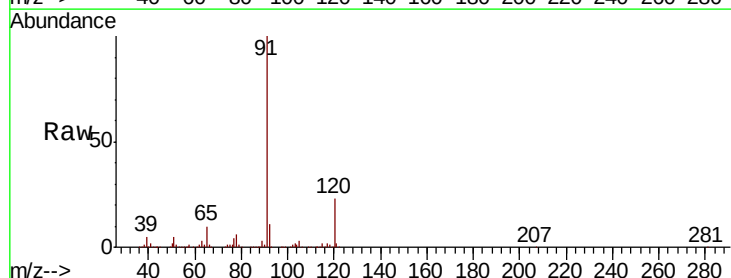
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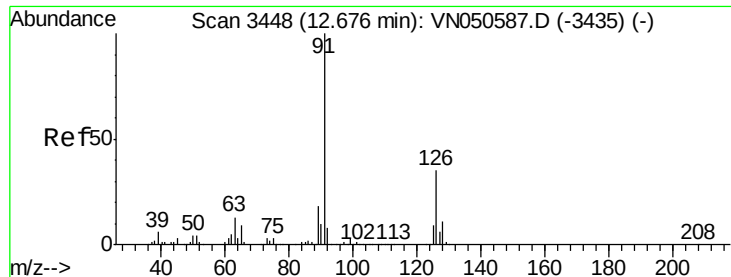
MMDadoda
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#78
n-propylbenzene
Concen: 20.53 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.37 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS03

Tot Ion: 91 Resp: 447862

Ion Ratio Lower Upper

91 100

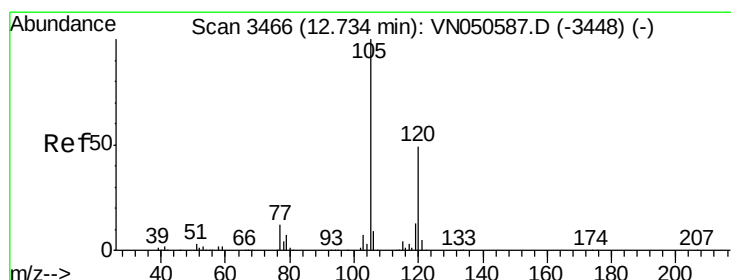
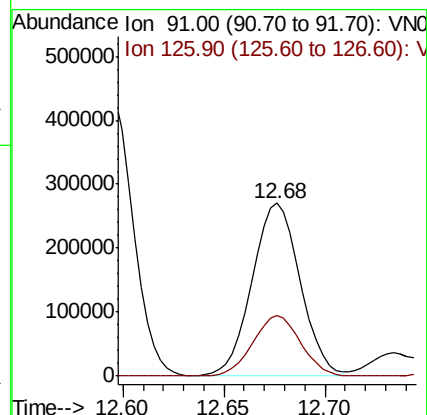
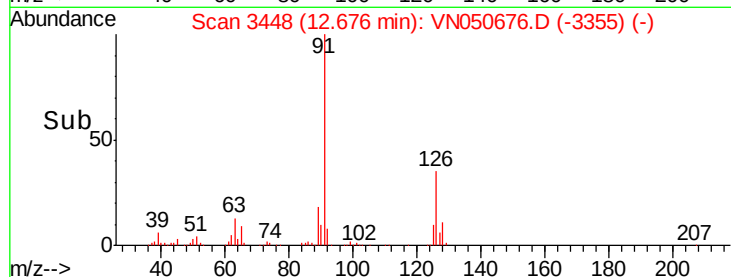
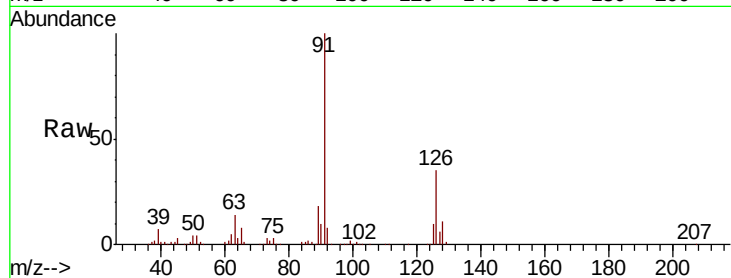
126 35.0 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.05 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050676.D

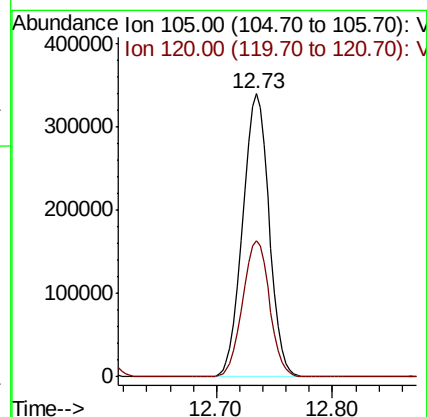
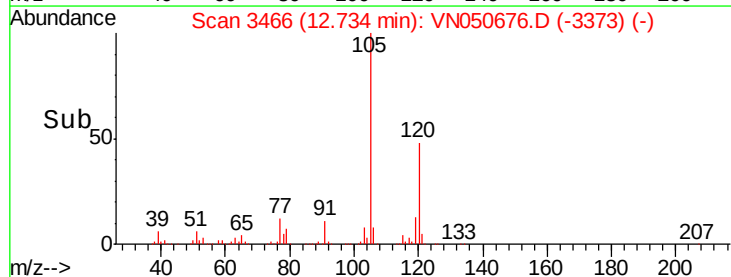
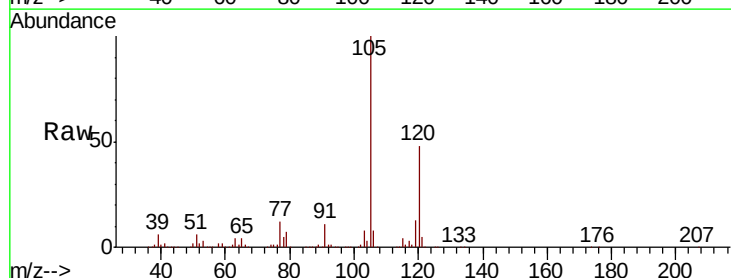
Acq: 16 Aug 2018 1:07

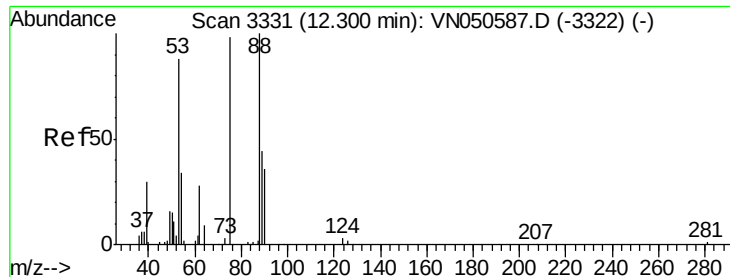
Tgt Ion: 105 Resp: 533127

Ion Ratio Lower Upper

105 100

120 49.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.17 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS03

Tot Ion: 75 Resp: 34908

Ion Ratio Lower Upper

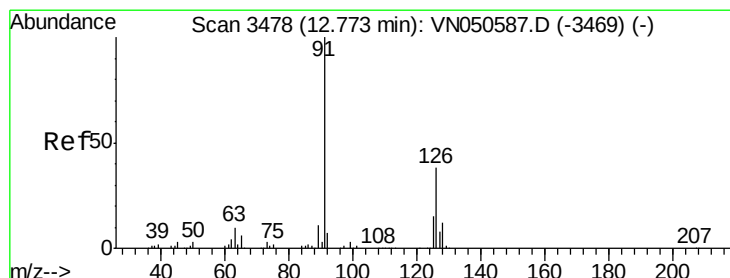
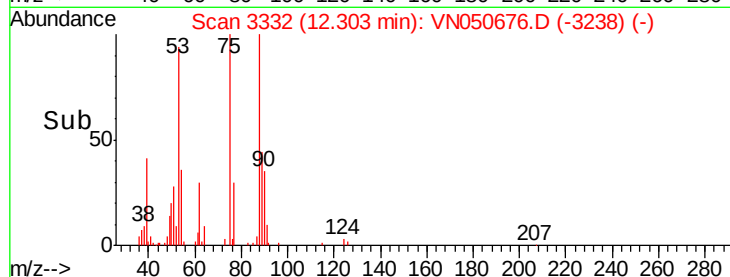
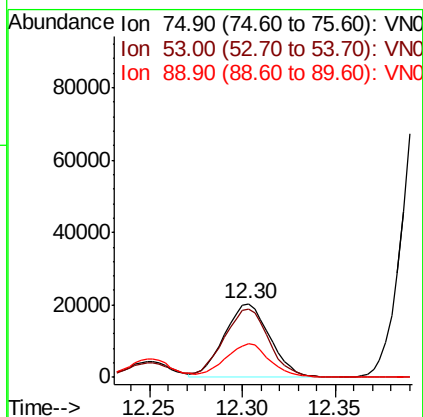
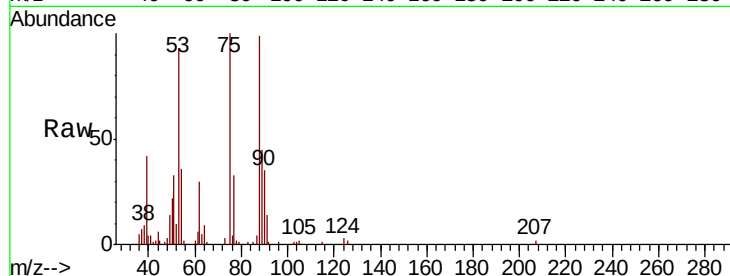
75 100

53 92.3 72.2 108.2

89 44.1 36.3 54.5

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#82

4-Chlorotoluene

Concen: 20.38 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050676.D

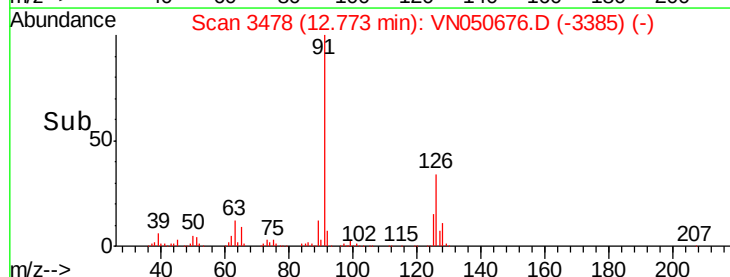
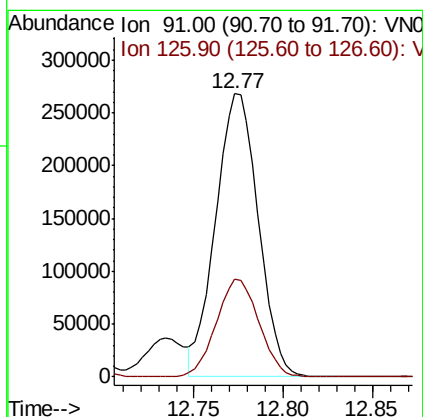
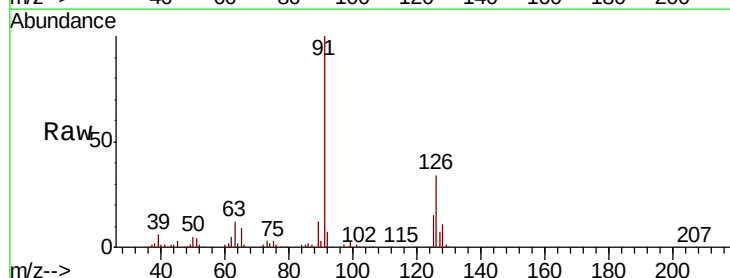
Acq: 16 Aug 2018 1:07

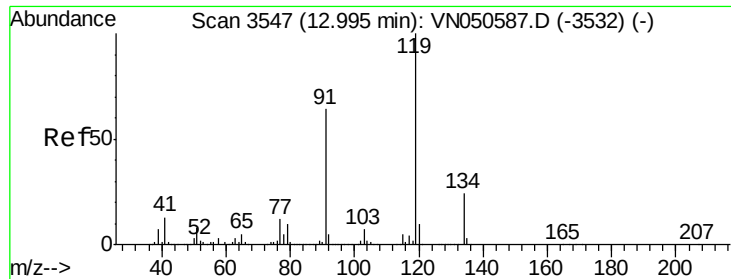
Tgt Ion: 91 Resp: 442899

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0





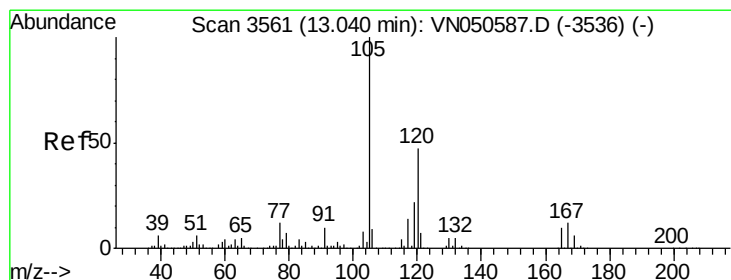
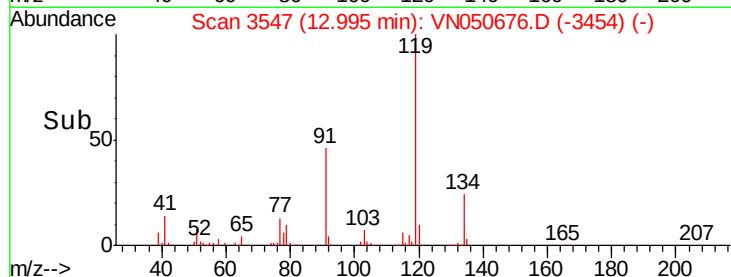
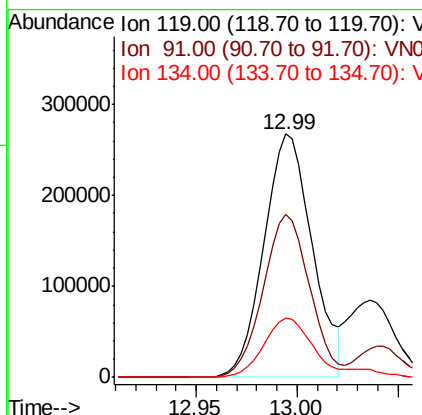
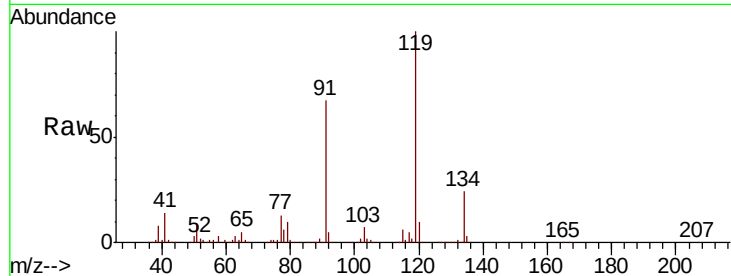
#83
 tert-Butylbenzene
 Concen: 20.27 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	445615		
91	64.7	32.2	96.6	
134	24.5	13.4	40.2	

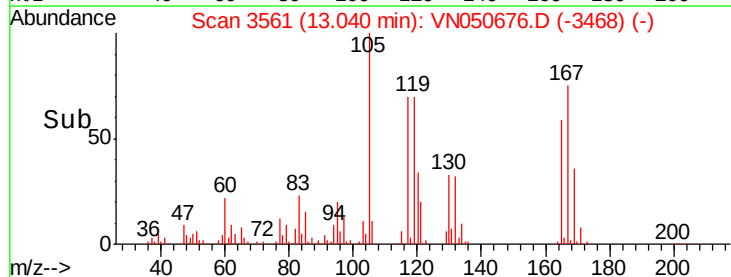
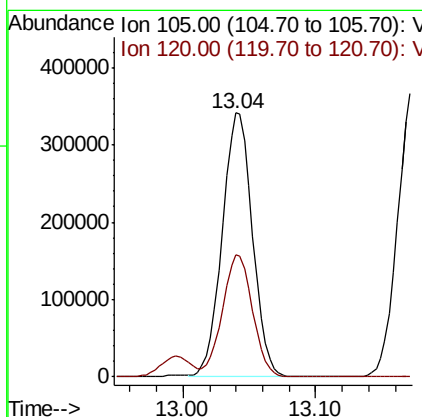
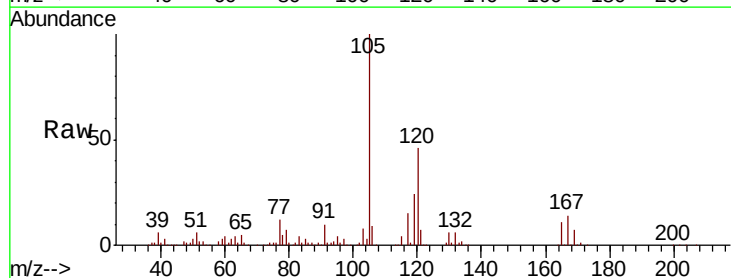
Manual Integrations
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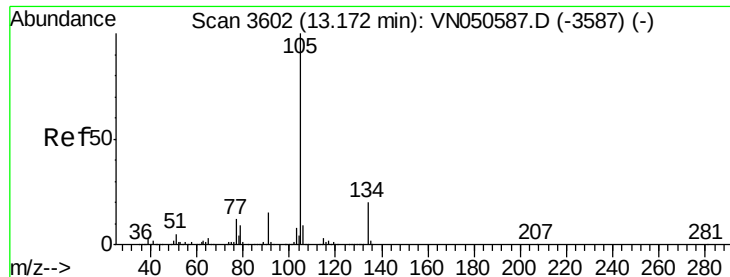
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.20 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	538675		
120	46.0	23.2	69.5	





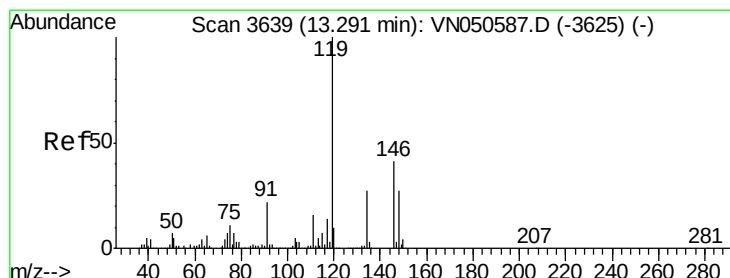
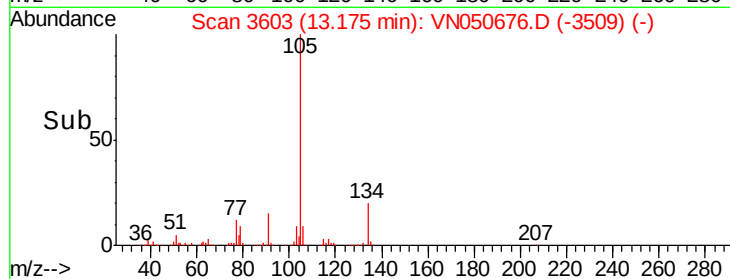
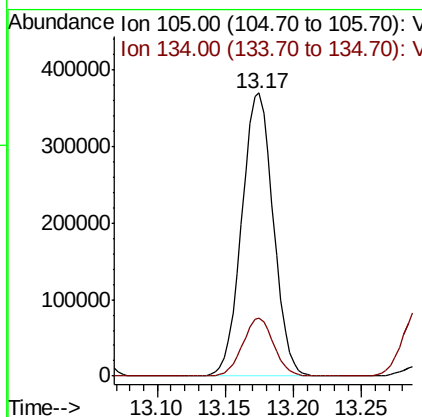
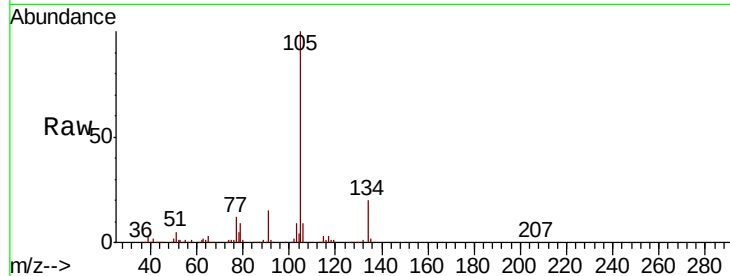
#85
 sec-Butylbenzene
 Concen: 20.64 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS03

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.3

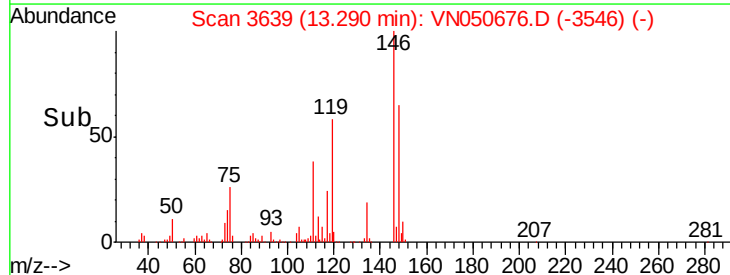
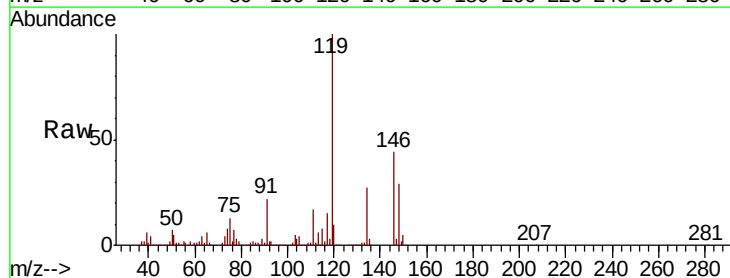
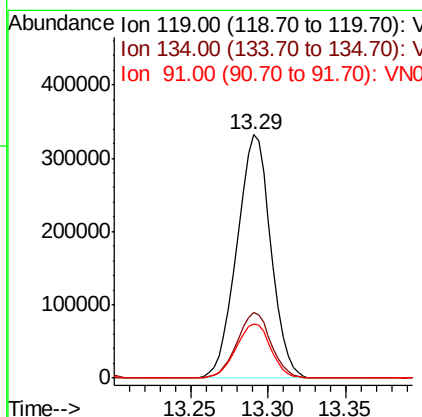
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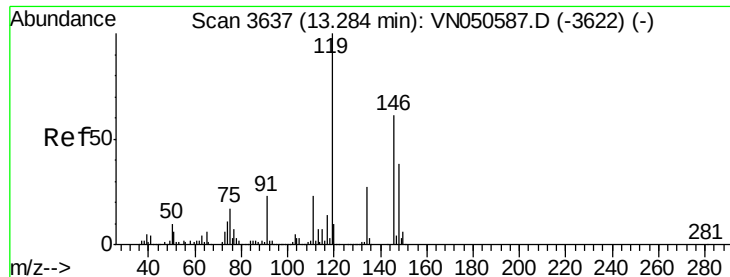
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#86
 p-Isopropyltoluene
 Concen: 20.73 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.4
91	22.6	11.2	33.6





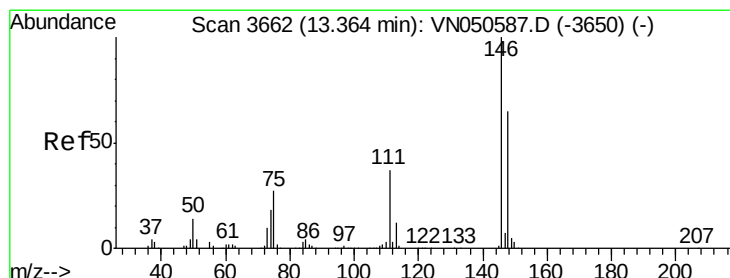
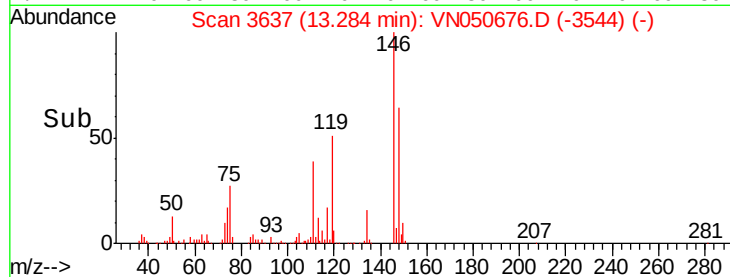
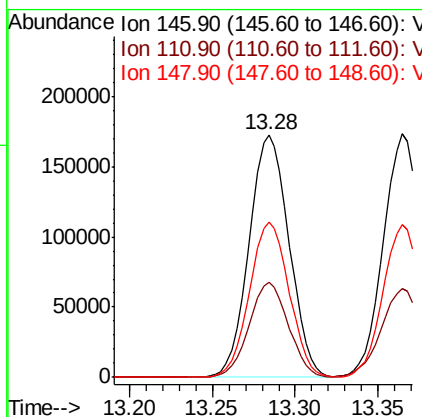
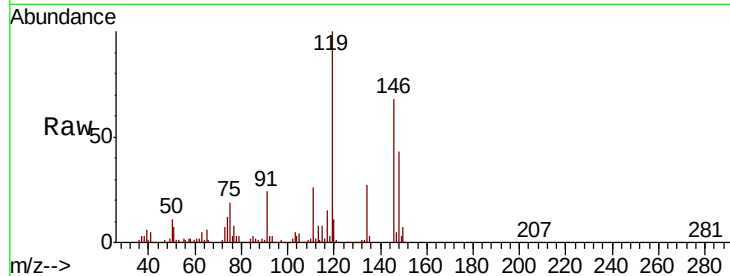
#87
 1,3-Dichlorobenzene
 Concen: 19.77 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	288983		
111	38.4	19.2	57.6	
148	63.5	31.9	95.7	

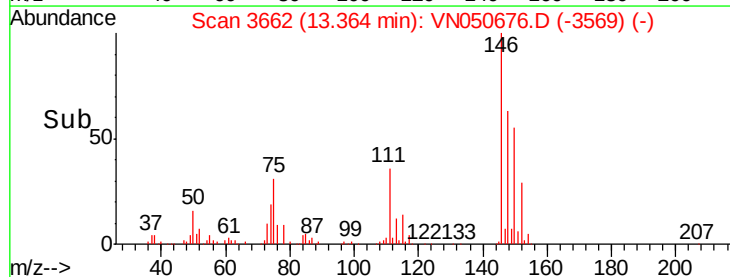
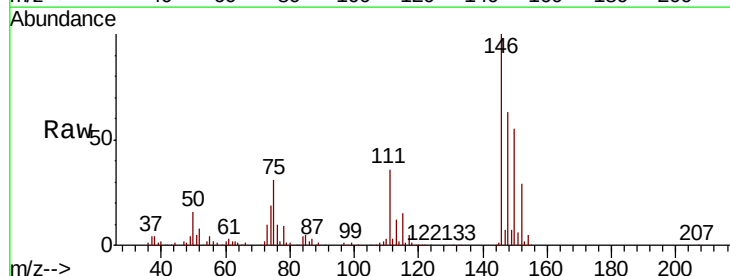
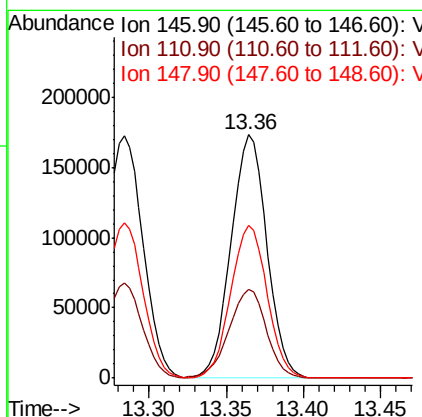
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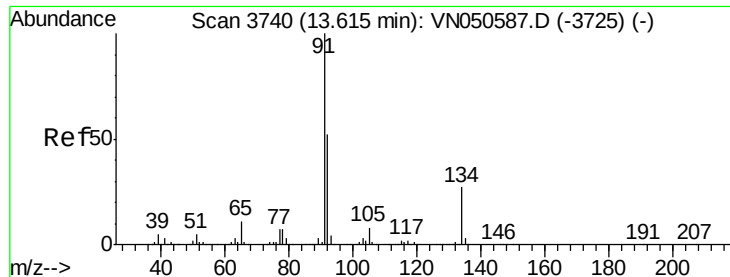
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#88
 1,4-Dichlorobenzene
 Concen: 19.24 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	279068		
111	38.0	18.8	56.4	
148	63.6	32.3	96.8	





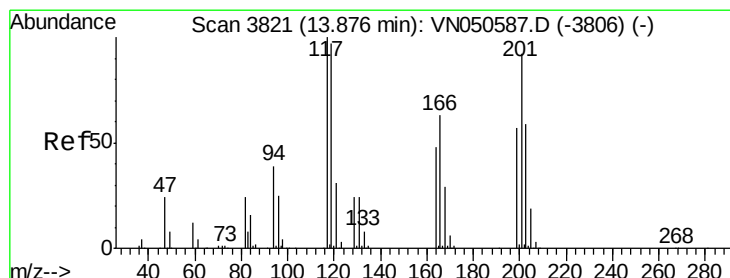
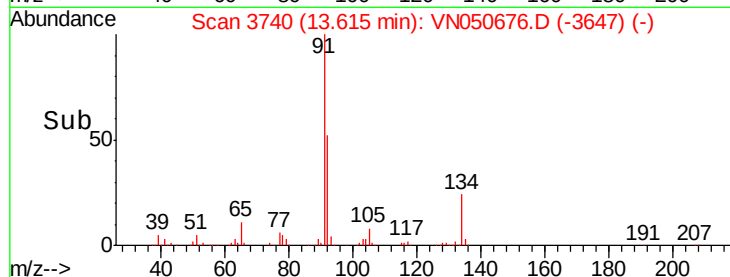
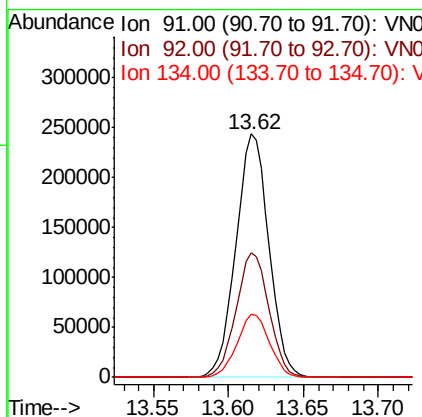
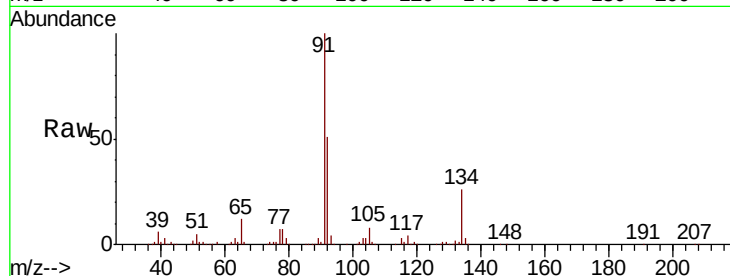
#89
n-Butylbenzene
Concen: 19.01 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.3	78.8
134	25.6	13.3	39.9

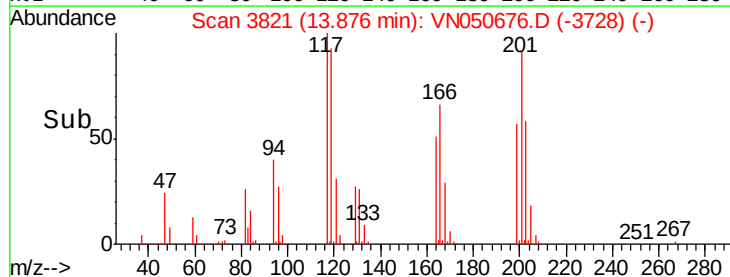
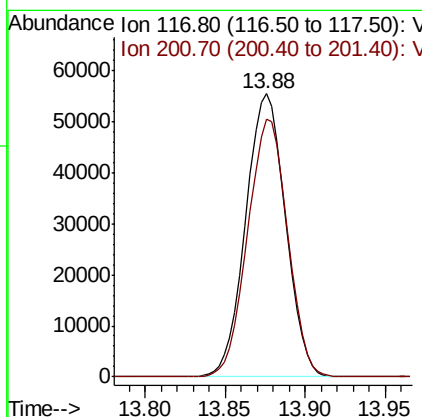
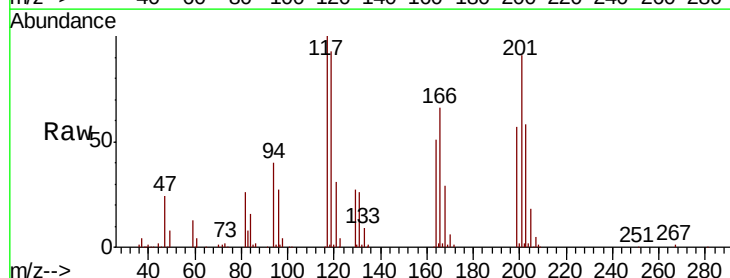
Manual Integrations
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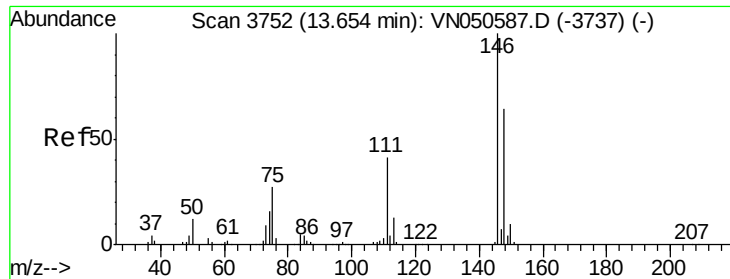
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#90
Hexachloroethane
Concen: 19.27 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050676.D
Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	45.5	136.5





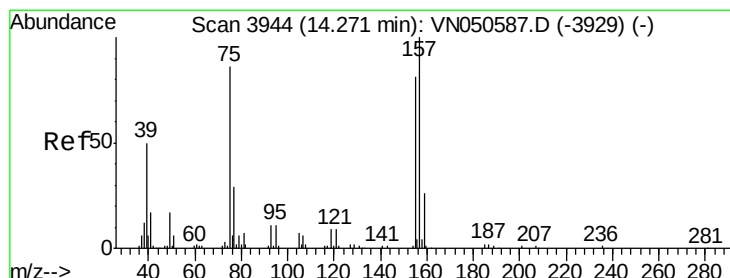
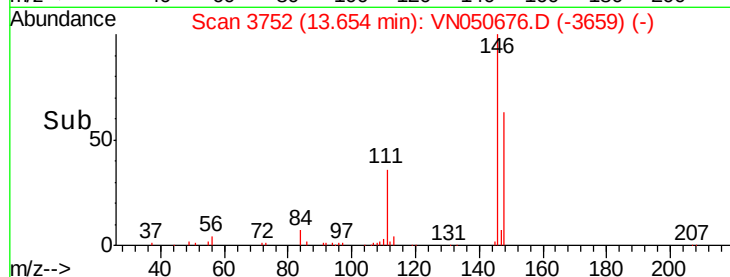
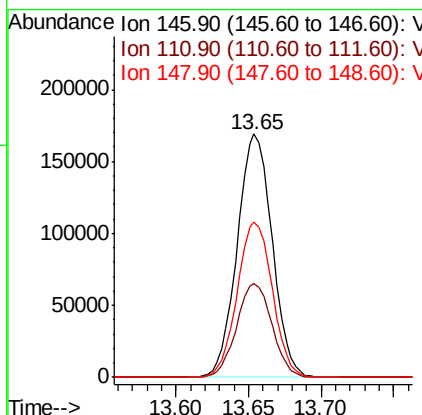
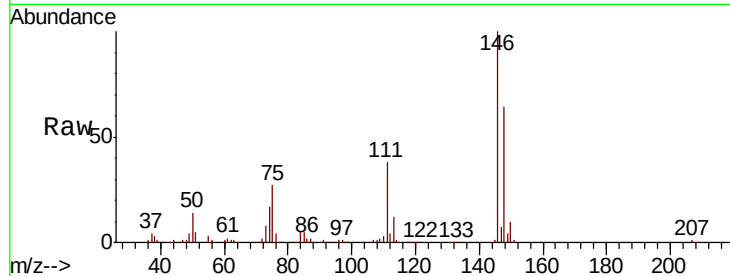
#91
 1,2-Dichlorobenzene
 Concen: 19.87 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.8	59.4
148	64.4	32.3	96.8

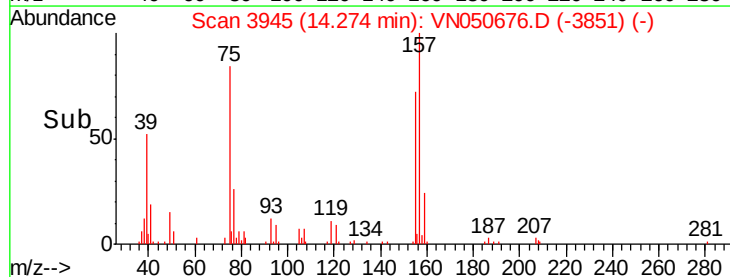
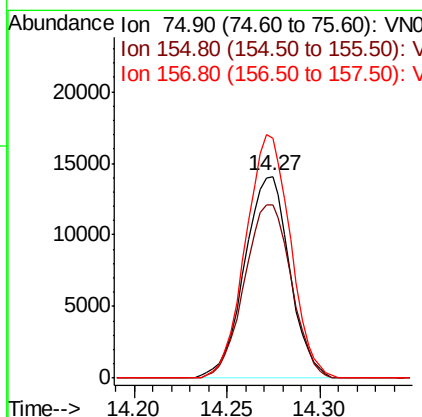
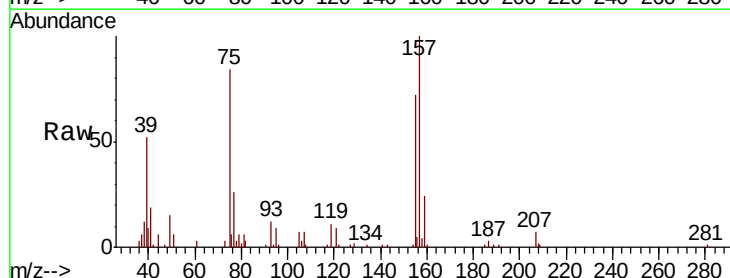
Manual Integrations
 APPROVED

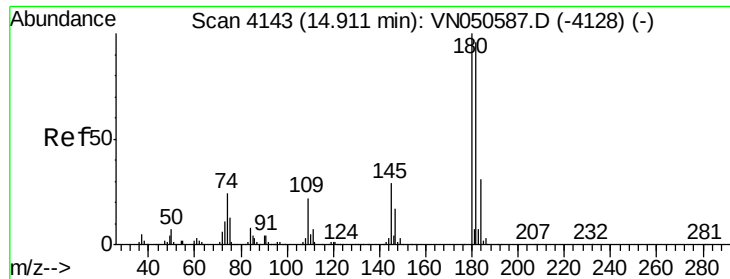
MMDadoda
 8/16/2018 1:19:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.04 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.3	46.6	139.8
157	119.4	58.1	174.2





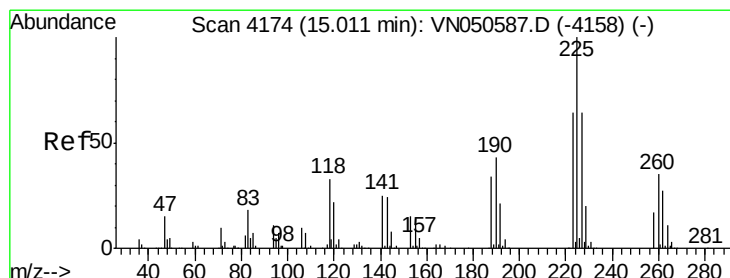
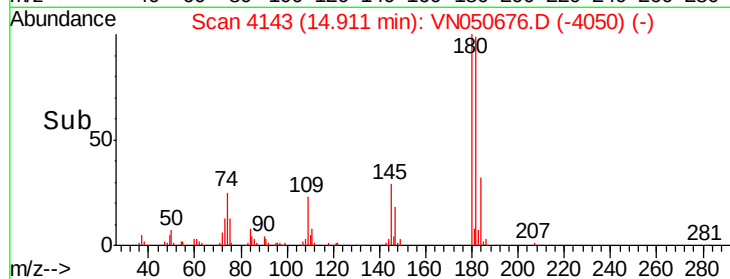
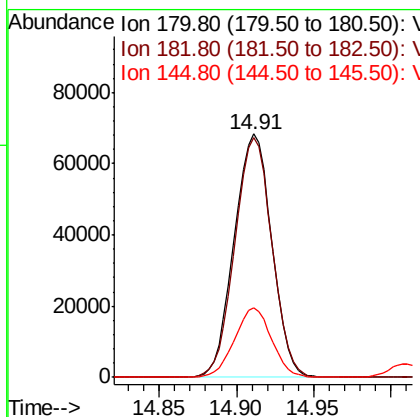
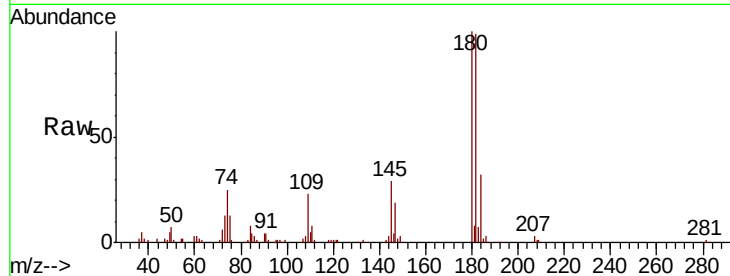
#93
 1,2,4-Trichlorobenzene
 Concen: 17.61 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115480		
182	97.2	47.9	143.7	
145	28.0	14.4	43.4	

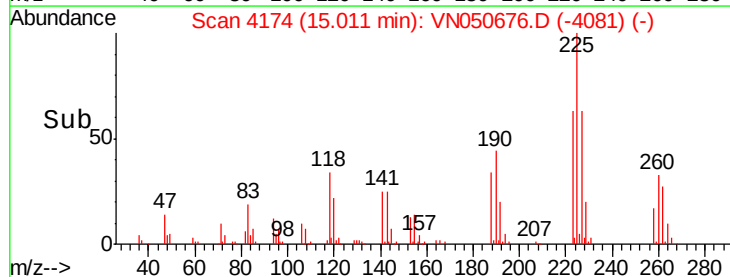
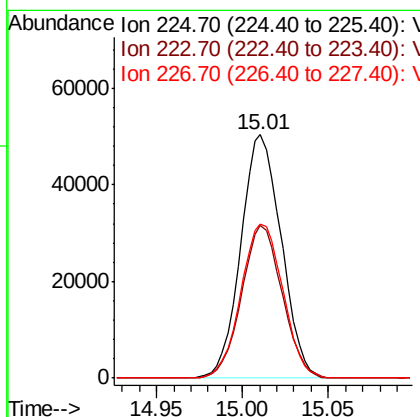
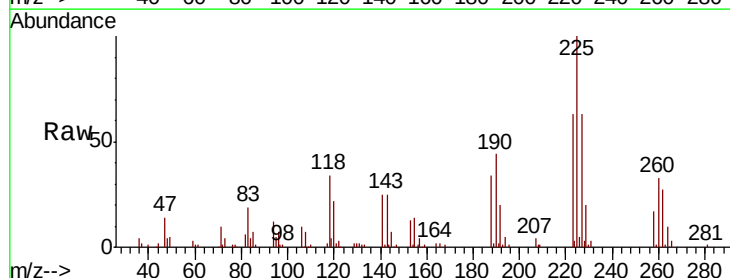
Manual Integrations
 APPROVED

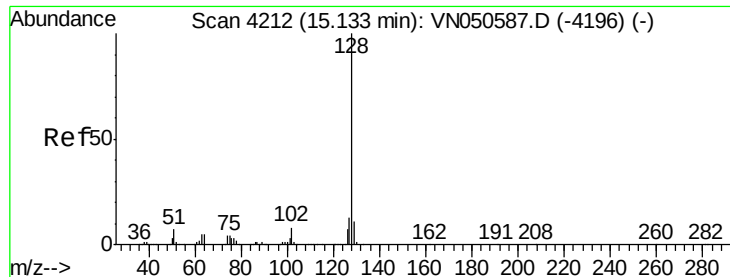
MMDadoda
 8/16/2018 1:19:12 PM



#94
 Hexachlorobutadiene
 Concen: 18.80 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050676.D
 Acq: 16 Aug 2018 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82215		
223	62.8	32.1	96.3	
227	65.8	32.0	96.2	





#95

Naphthalene

Concen: 17.47 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Instrument :

MSVOA_N

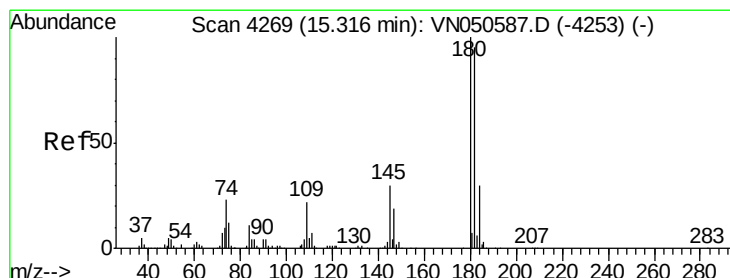
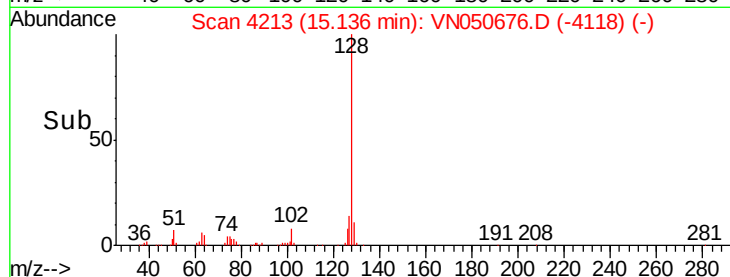
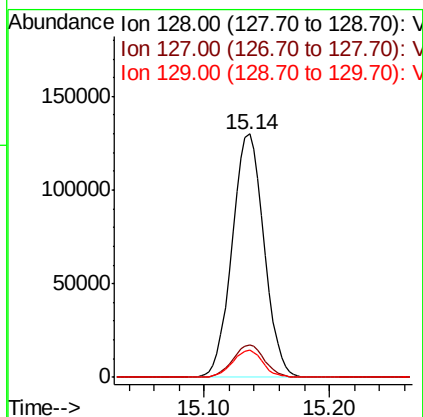
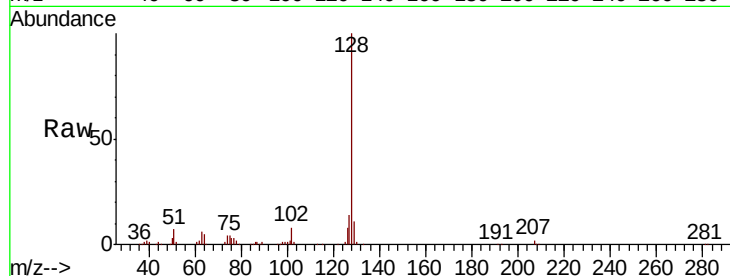
ClientSampleId :

VN0815WBS03

Tot Ion:	128	Resp:	229608
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.3	15.5
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/16/2018 1:19:12 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.65 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050676.D

Acq: 16 Aug 2018 1:07

Tgt Ion:	180	Resp:	118837
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.3	141.8
145	29.5	14.6	44.0

