

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050763.D
 Acq On : 20 Aug 2018 10:16
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 2:12:50 PM

Quant Time: Aug 21 02:58:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	116826	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	626798	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	556650	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	224026	28.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.03%
60) 4-Bromofluorobenzene	12.40	95	257127	30.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.23%
63) Toluene-d8	10.09	98	796622	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	127192	15.80	ug/l	98
3) Chloromethane	2.06	50	167107	20.13	ug/l	100
4) Vinyl Chloride	2.18	62	167573	18.96	ug/l	97
5) Bromomethane	2.57	94	97251	18.05	ug/l	99
6) Chloroethane	2.70	64	102898	19.69	ug/l	96
7) Trichlorofluoromethane	3.01	101	224947	19.48	ug/l	100
8) Diethyl Ether	3.41	74	73270	18.92	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	142939	20.35	ug/l	99
10) 1,1-Dichloroethene	3.73	96	123419	19.81	ug/l	94
11) Methyl Iodide	3.95	142	83348	9.09	ug/l	99
12) Methyl Acetate	4.33	43	111777	15.67	ug/l	97
13) Acrolein	3.61	56	30884	70.04	ug/l	99
14) Acrylonitrile	4.99	53	206526	86.74	ug/l	98
15) Acetone	3.82	58	68684	108.55	ug/l	85
16) Carbon Disulfide	4.05	76	373038	19.57	ug/l	100
17) Allyl chloride	4.32	41	193004	19.62	ug/l	96
18) Methylene Chloride	4.55	84	149289	20.77	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	135496	20.32	ug/l	98
20) Diisopropyl ether	5.95	45	422467	20.95	ug/l	95
21) 1,1-Dichloroethane	5.85	63	255469	20.14	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	148828	20.12	ug/l	98
23) tert-Butyl Alcohol	4.79	59	35801	67.29	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	318233	18.73	ug/l	99
25) Chloroform	7.37	83	258648	20.15	ug/l	99
26) Cyclohexane	7.65	56	210087	20.85	ug/l #	97
29) 1,1-Dichloropropene	7.79	75	193118	19.85	ug/l	100
30) 2-Butanone	6.84	43	303203	99.33	ug/l	99
31) 2,2-Dichloropropane	6.82	77	209459	19.48	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	218033	19.04	ug/l	99
33) Carbon Tetrachloride	7.77	117	196337	19.24	ug/l	99
34) Benzene	8.04	78	588209	19.91	ug/l	98
35) Methacrylonitrile	7.18	41	57008	16.40	ug/l	96
36) 1,2-Dichloroethane	8.12	62	176309	18.18	ug/l	99
37) Trichloroethene	8.83	130	154980	20.00	ug/l	93
38) Methylcyclohexane	9.08	83	200833	19.58	ug/l	99
39) 1,2-Dichloropropane	9.12	63	159005	20.43	ug/l	97
40) Dibromomethane	9.21	93	89636	18.64	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	196117	19.33	ug/l	98
42) Vinyl Acetate	5.90	43	1277289	88.92	ug/l	99
43) Ethyl Acetate	6.93	43	105714	16.59	ug/l #	90
44) Isopropyl Acetate	8.17	43	185513	15.71	ug/l	98
45) 1,4-Dioxane	9.20	88	23755	305.73	ug/l	92
46) Methyl methacrylate	9.20	41	89571	15.65	ug/l	96
47) n-amyl Acetate	12.07	43	146149	15.91	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	182218	18.84	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	221357	19.48	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	130892	18.96	ug/l	98
51) Ethyl methacrylate	10.43	69	140109	16.72	ug/l	99
52) 1,3-Dichloropropane	10.71	76	217026	19.14	ug/l	98
53) Dibromochloromethane	10.90	129	147117	18.78	ug/l	99
54) 1,2-Dibromoethane	11.00	107	122170	18.07	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	342450	90.30	ug/l	99
56) Bromoform	12.13	173	96683	17.48	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	652394	100.72	ug/l	99
59) 2-Hexanone	10.75	43	429303	97.15	ug/l	99
61) Tetrachloroethene	10.63	164	140812	18.68	ug/l	96
62) Toluene	10.16	91	631182	19.87	ug/l	100
64) Chlorobenzene	11.43	112	391434	20.33	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	147347	19.62	ug/l	99
66) Ethyl Benzene	11.51	91	639084	19.69	ug/l	99
67) m/p-Xylenes	11.62	106	513844	41.14	ug/l	99
68) o-Xylene	11.95	106	239212	20.13	ug/l	100
69) Styrene	11.96	104	390792	20.51	ug/l	100
70) Isopropylbenzene	12.25	105	640562	20.24	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	157561	18.13	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	129742m	17.48	ug/l	
73) Bromobenzene	12.53	156	167813	19.90	ug/l	98
74) n-propylbenzene	12.59	91	746865	20.26	ug/l	99
75) 2-Chlorotoluene	12.67	91	451672	20.40	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	536671	20.64	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36639	15.10	ug/l	93
78) 4-Chlorotoluene	12.77	91	452290	20.62	ug/l	98
79) tert-butylbenzene	12.99	119	449638	20.23	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	545965	20.73	ug/l	98
81) sec-Butylbenzene	13.17	105	610458	20.22	ug/l	99
82) p-Isopropyltoluene	13.29	119	533321	20.70	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	292049	19.89	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	277402	20.00	ug/l	99
85) n-Butylbenzene	13.62	91	404481	19.35	ug/l	99
86) Hexachloroethane	13.87	117	98753	19.18	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	285750	19.91	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20621	15.23	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	113898	16.62	ug/l	99
90) Hexachlorobutadiene	15.01	225	91811	20.32	ug/l	98
91) Naphthalene	15.13	128	204829	17.17	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	118297	16.97	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

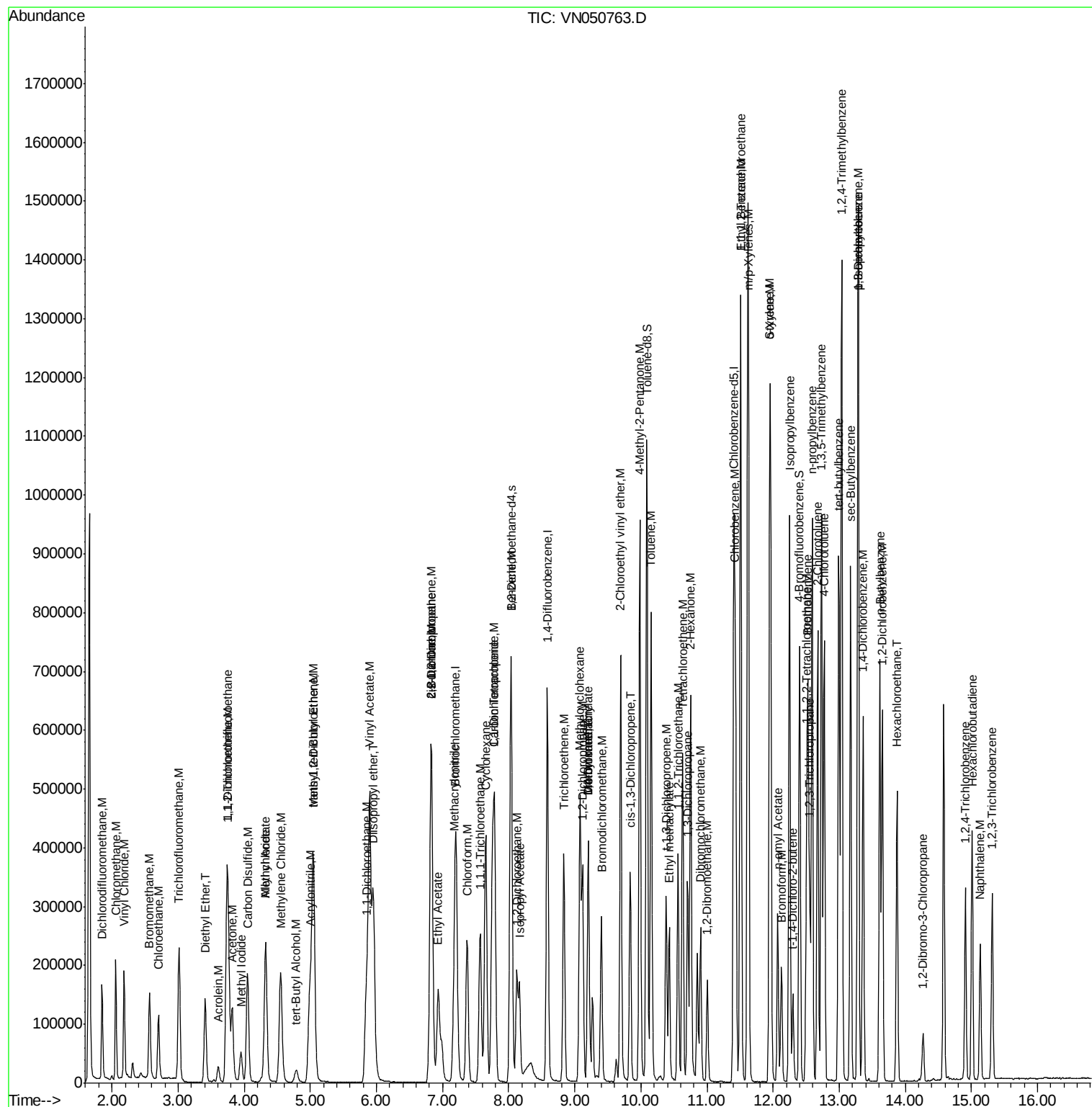
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
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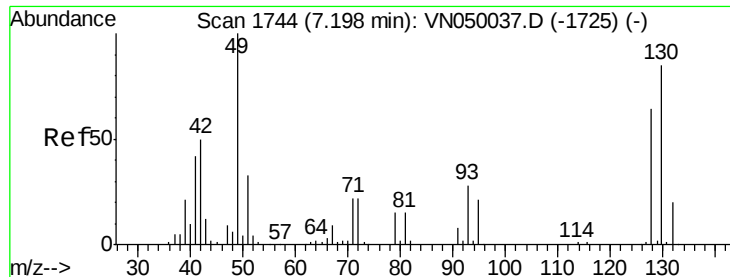
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC020

Manual Integrations
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

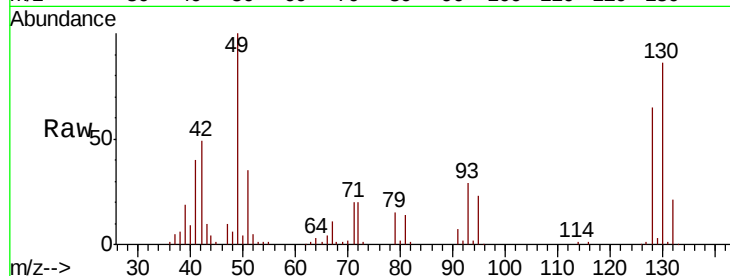
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	116826
Ion	Ratio	Lower	Upper
128	100		
49	153.5	0.0	378.3
130	127.7	0.0	320.7

Manual Integrations
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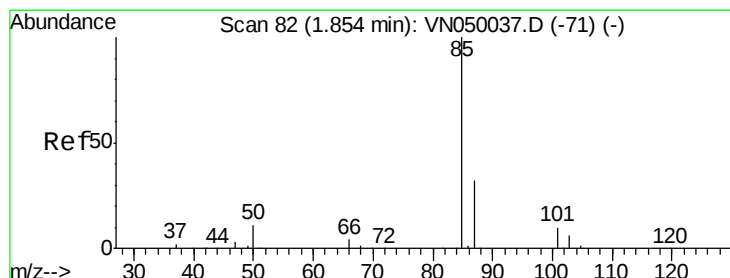
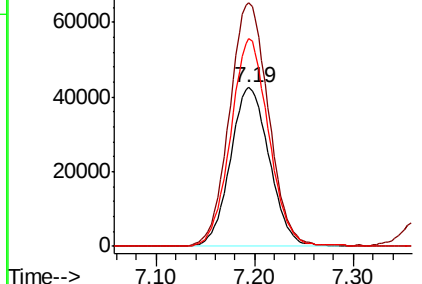
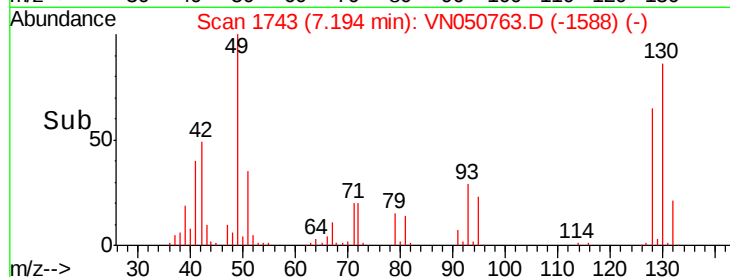
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.80 ug/l

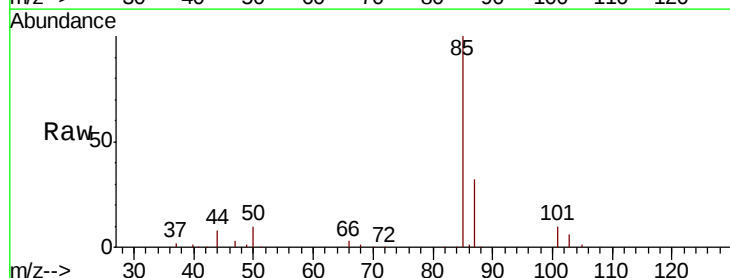
RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050763.D

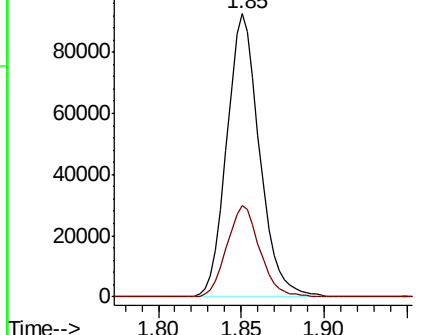
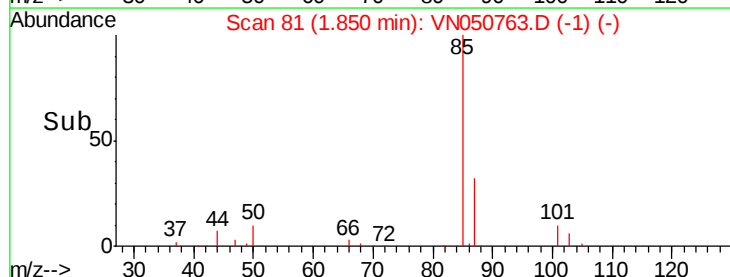
Acq: 20 Aug 2018 10:16

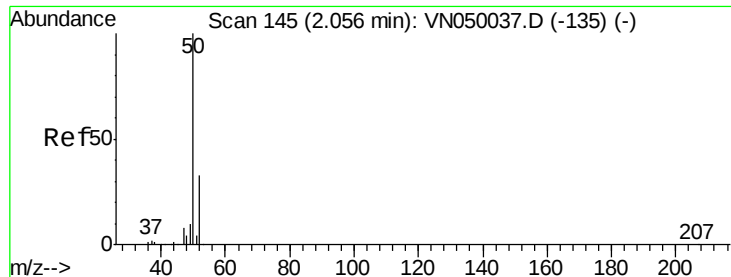
Tgt Ion:	85	Resp:	127192
Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.4	46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.13 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 50 Resp: 167107

Ion Ratio Lower Upper

50 100

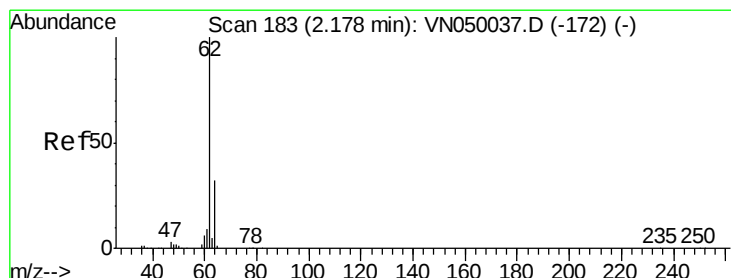
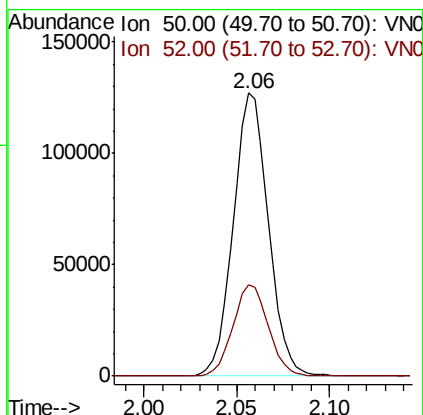
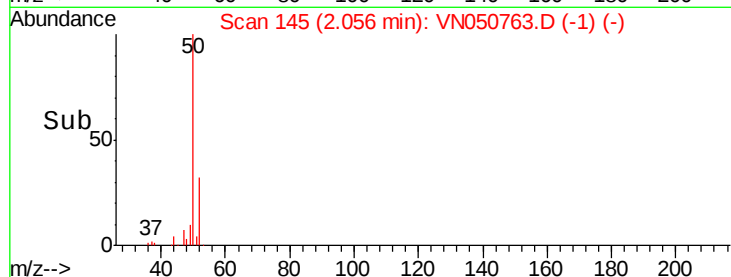
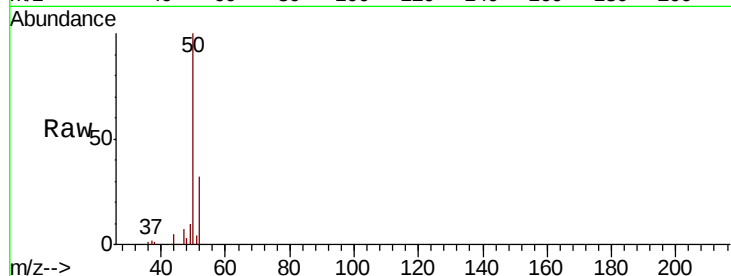
52 32.4 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.96 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.01 min

Lab File: VN050763.D

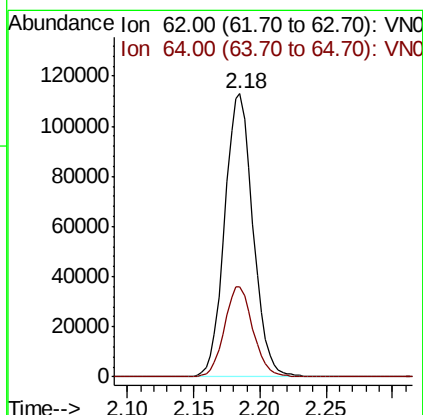
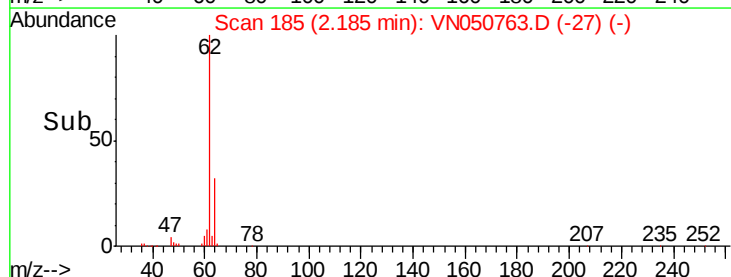
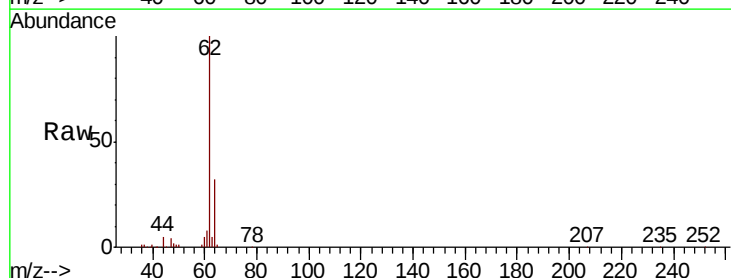
Acq: 20 Aug 2018 10:16

Tgt Ion: 62 Resp: 167573

Ion Ratio Lower Upper

62 100

64 32.0 24.4 36.6





#5

Bromomethane

Concen: 18.05 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 97251

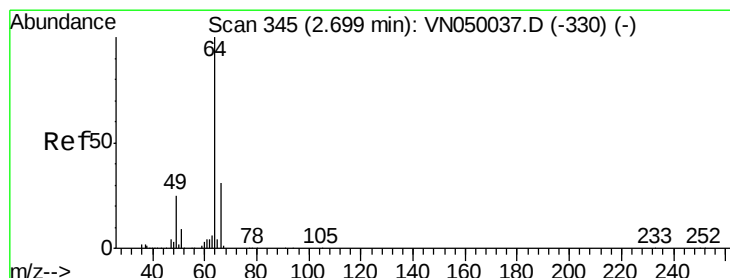
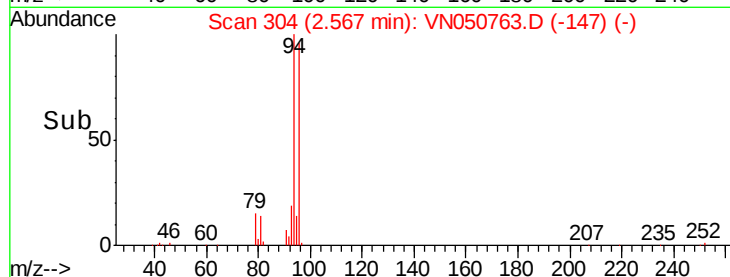
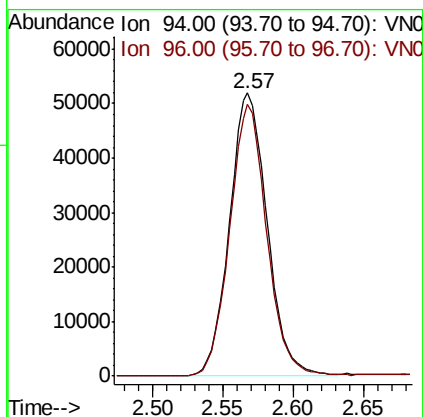
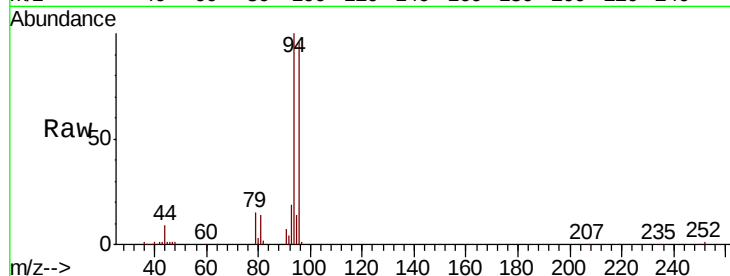
Ion Ratio Lower Upper

94 100

96 95.6 75.9 113.9

Manual Integrations
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#6

Chloroethane

Concen: 19.69 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050763.D

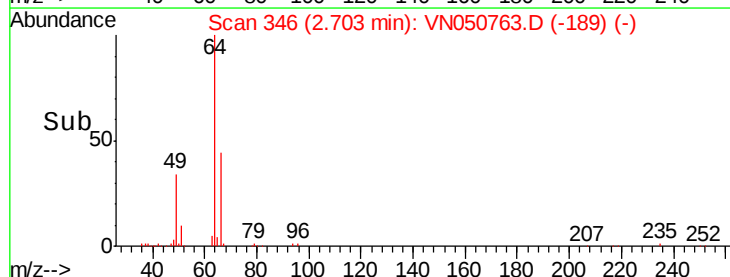
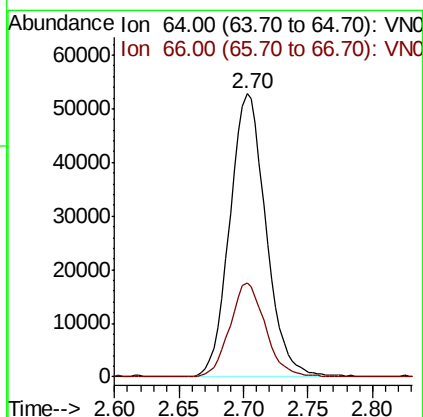
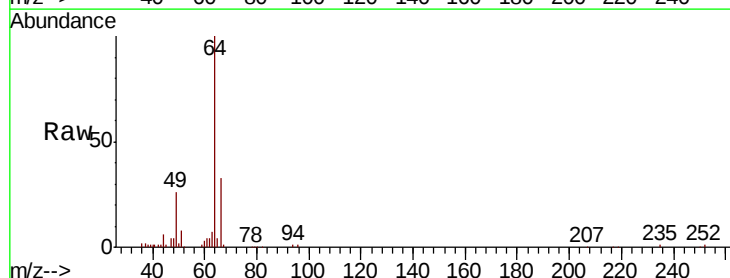
Acq: 20 Aug 2018 10:16

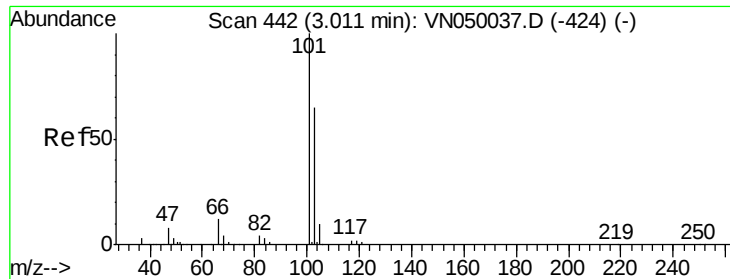
Tgt Ion: 64 Resp: 102898

Ion Ratio Lower Upper

64 100

66 33.3 25.0 37.4





#7

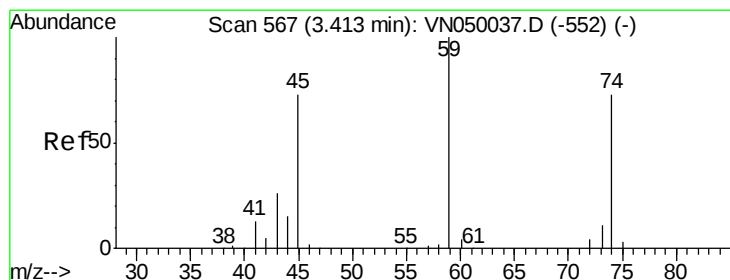
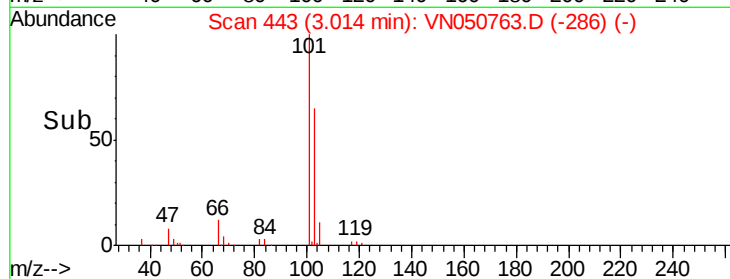
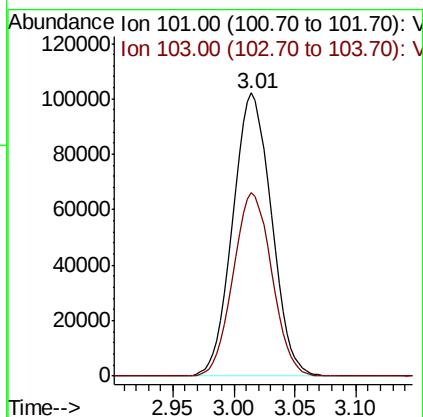
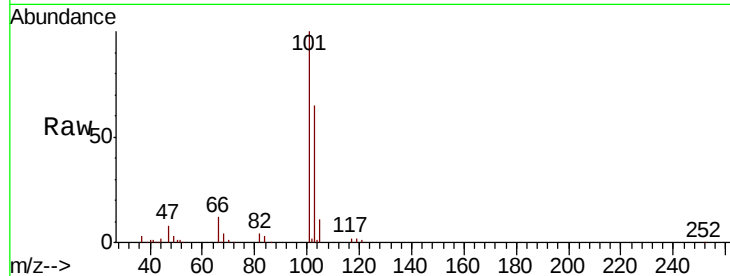
Trichlorofluoromethane
Concen: 19.48 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.5	77.3

Manual Integrations
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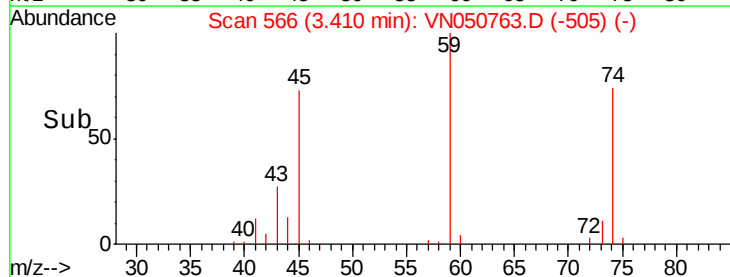
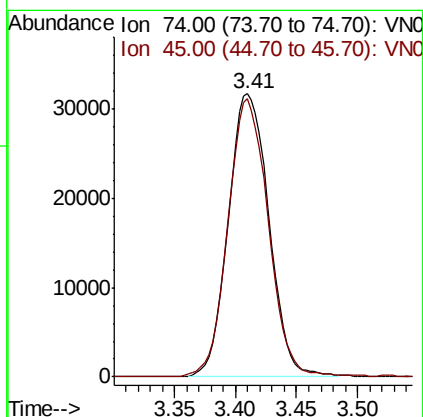
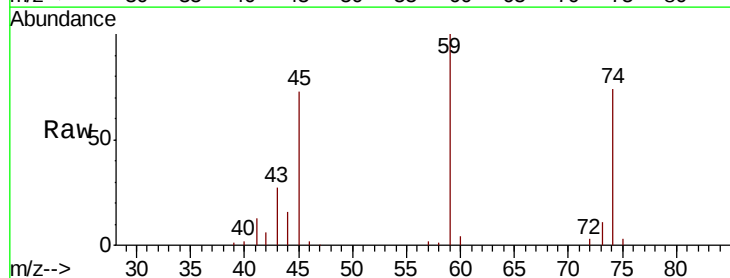
MMDadoda
8/21/2018 2:12:50 PM

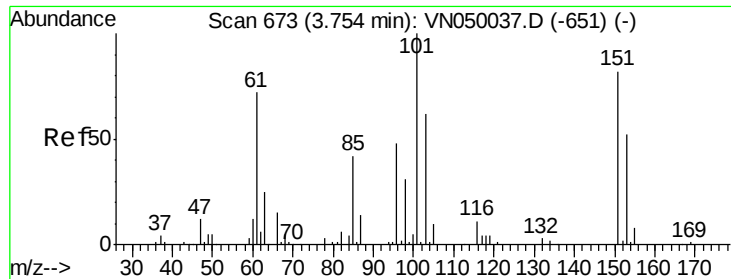


#8

Diethyl Ether
Concen: 18.92 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.35 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

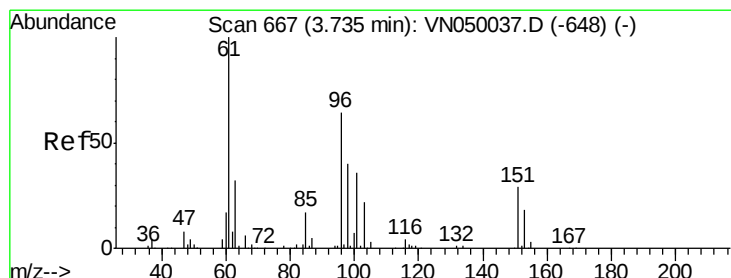
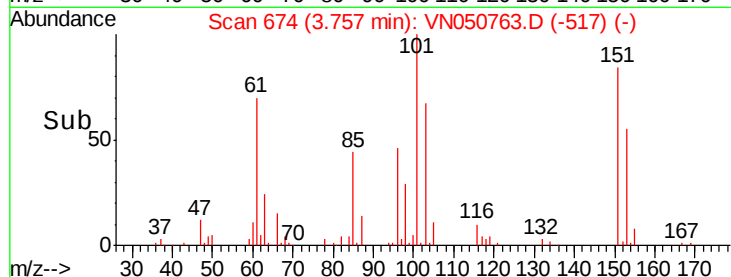
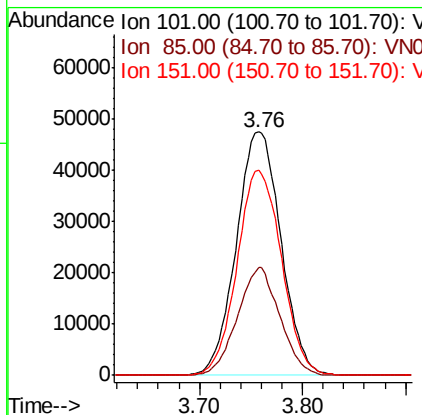
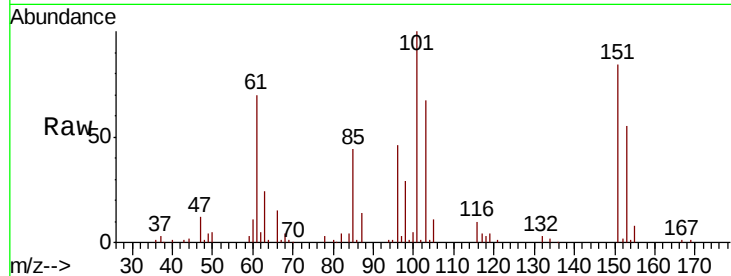
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	142939
Ion Ratio	Lower	Upper	
101	100		
85	42.0	0.0	83.0
151	83.8	0.0	166.8

Manual Integrations
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8/21/2018 2:12:50 PM



#10

1,1-Dichloroethene

Concen: 19.81 ug/l

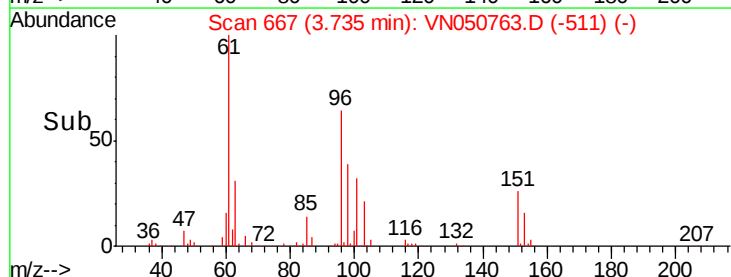
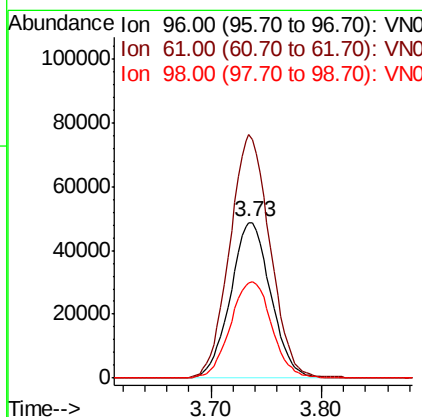
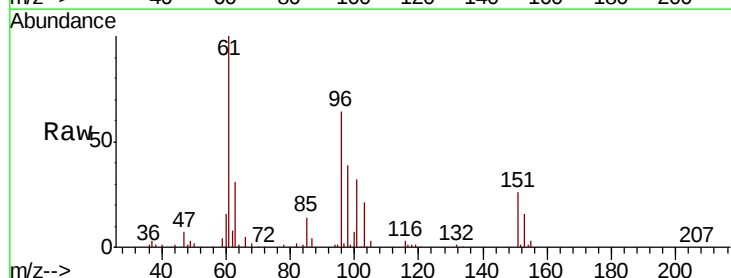
RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	96	Resp:	123419
Ion Ratio	Lower	Upper	
96	100		
61	156.0	130.6	195.8
98	61.2	53.5	80.3





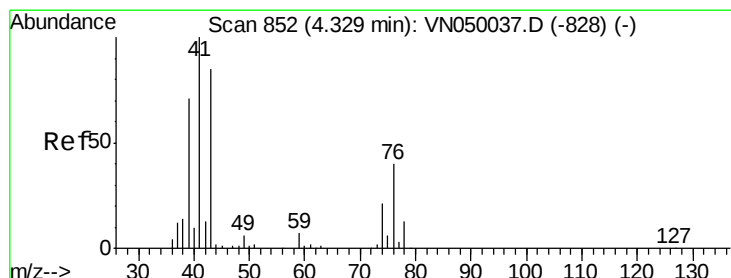
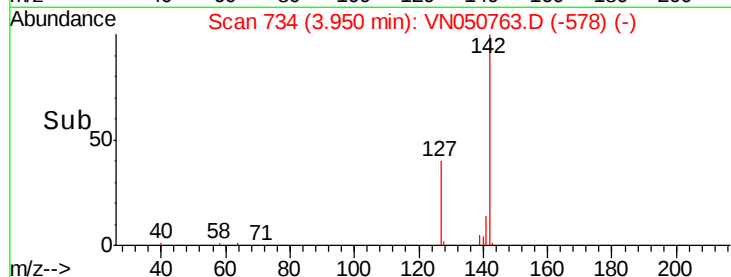
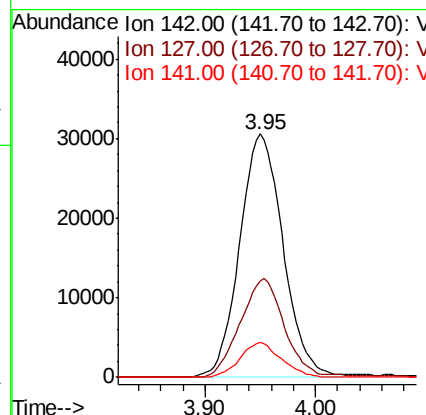
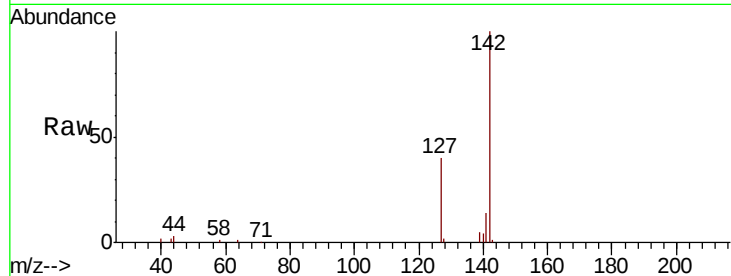
#11
Methyl Iodide
Concen: 9.09 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.5	20.2	60.5
141	14.3	6.9	20.6

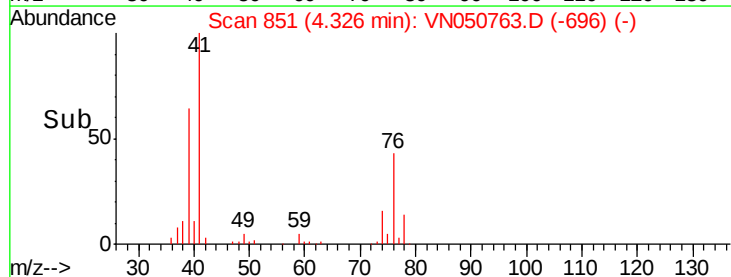
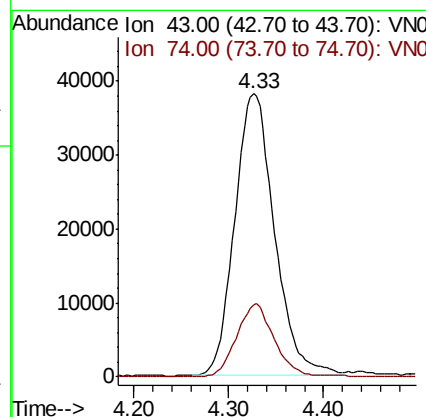
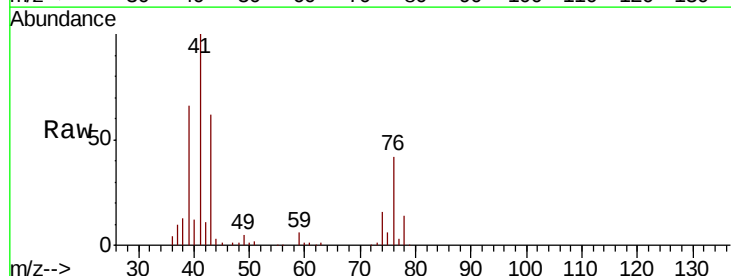
Manual Integrations
APPROVED

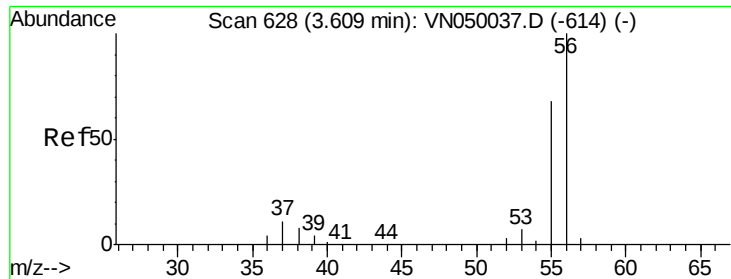
MMDadoda
8/21/2018 2:12:50 PM



#12
Methyl Acetate
Concen: 15.67 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.3	28.9





#13

Acrolein

Concen: 70.04 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 56 Resp: 30884

Ion Ratio Lower Upper

56 100

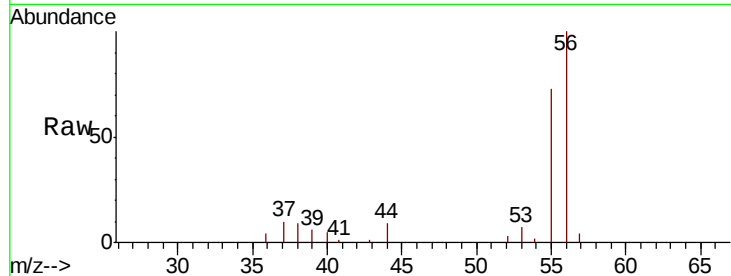
55 72.1 58.6 88.0

Manual Integrations

APPROVED

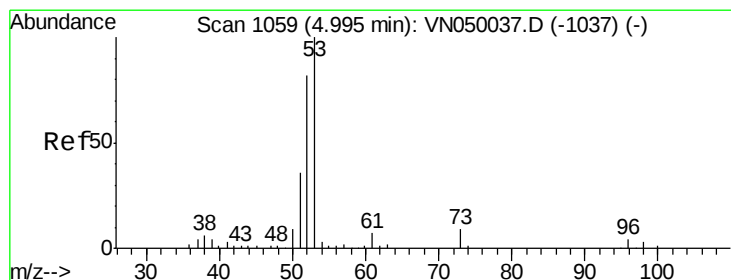
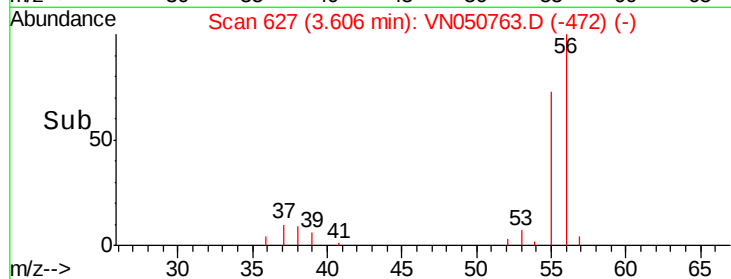
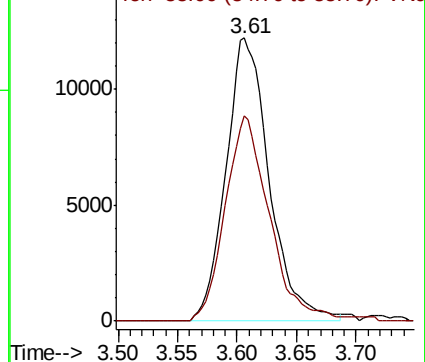
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 86.74 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

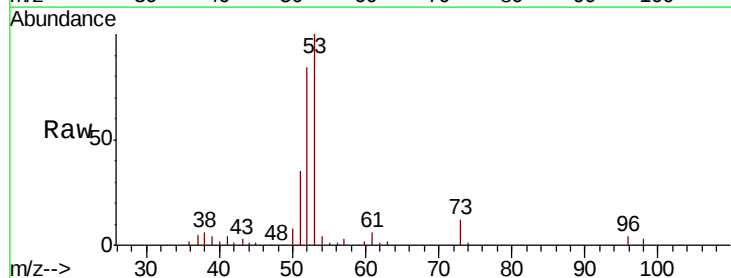
Tgt Ion: 53 Resp: 206526

Ion Ratio Lower Upper

53 100

52 82.2 41.5 124.5

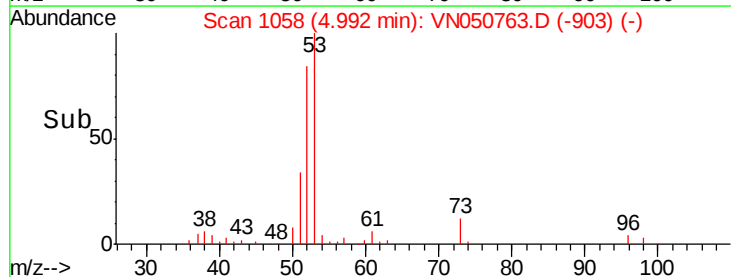
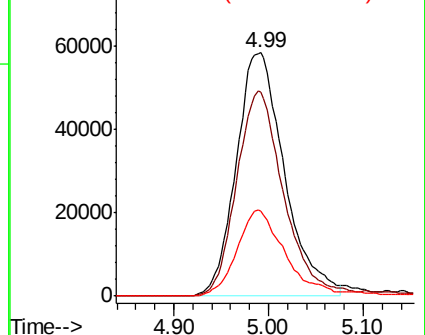
51 34.8 18.7 56.1

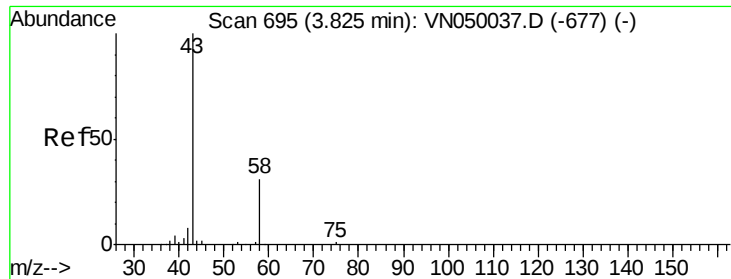


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 108.55 ug/l

RT: 3.82 min Scan# 692

Delta R.T. -0.01 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 58 Resp: 68684

Ion Ratio Lower Upper

58 100

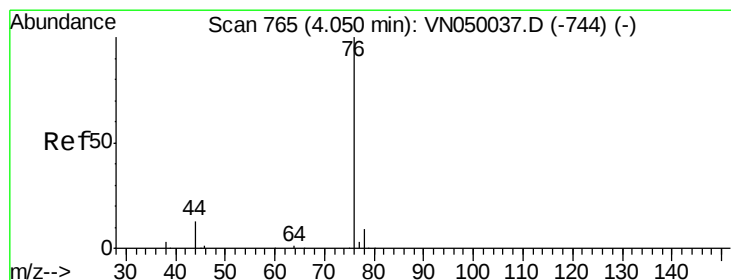
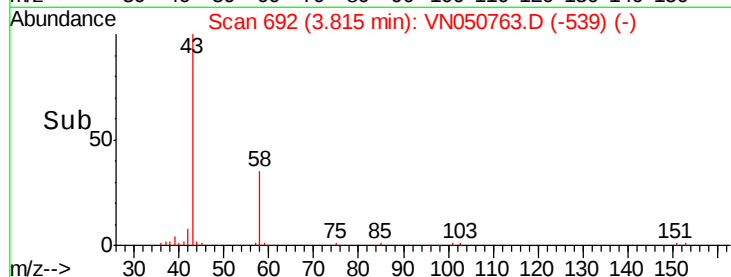
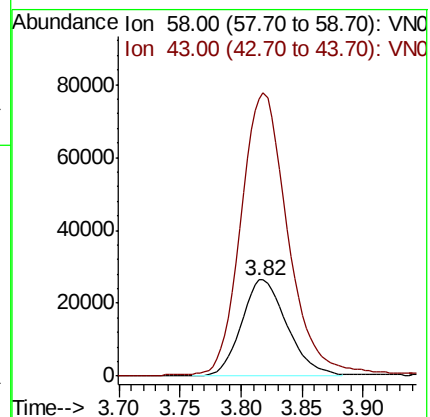
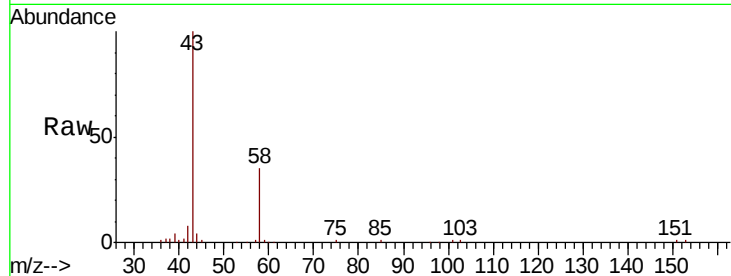
43 285.3 252.0 378.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 19.57 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050763.D

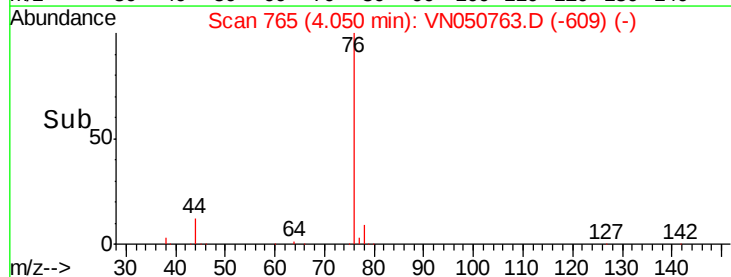
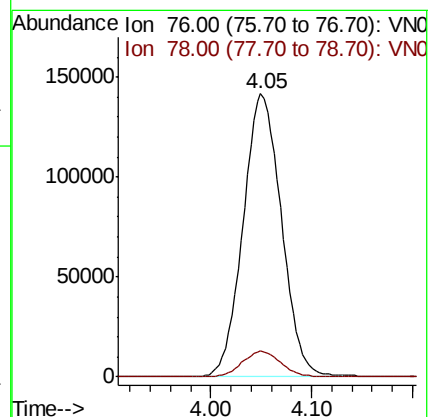
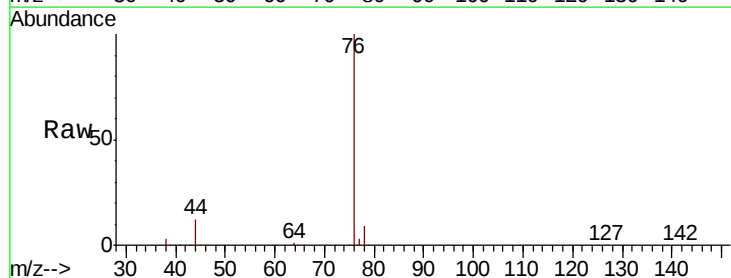
Acq: 20 Aug 2018 10:16

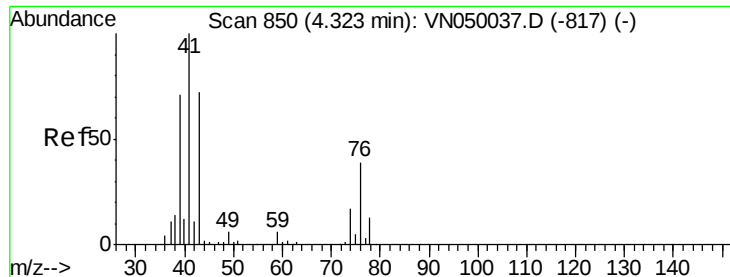
Tgt Ion: 76 Resp: 373038

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#17

Allvl chloride

Concen: 19.62 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

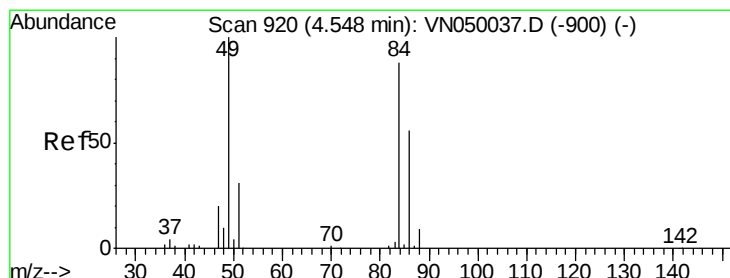
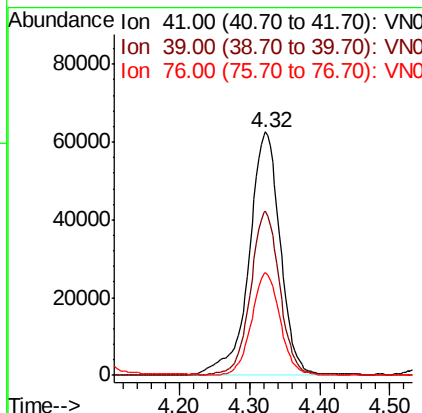
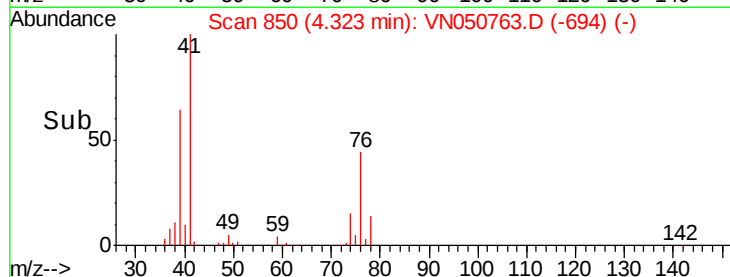
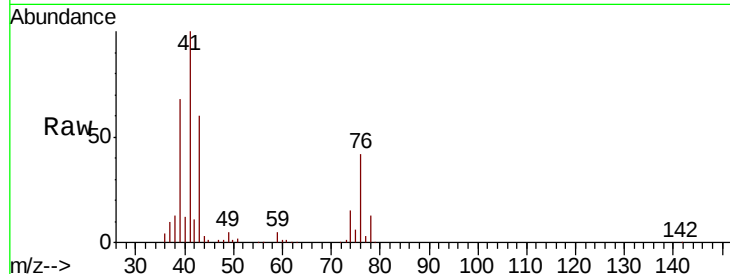
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	193004
Ion	Ratio	Lower	Upper
41	100		
39	67.5	35.4	106.3
76	42.1	19.7	59.1

Manual Integrations
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8/21/2018 2:12:50 PM



#18

Methylene Chloride

Concen: 20.77 ug/l

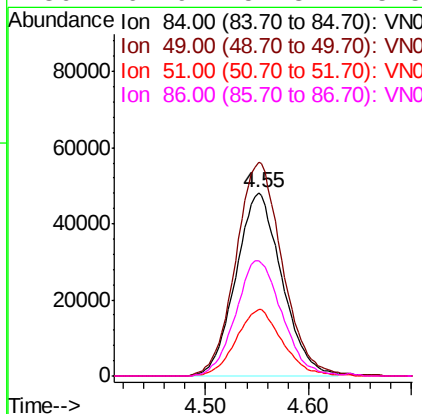
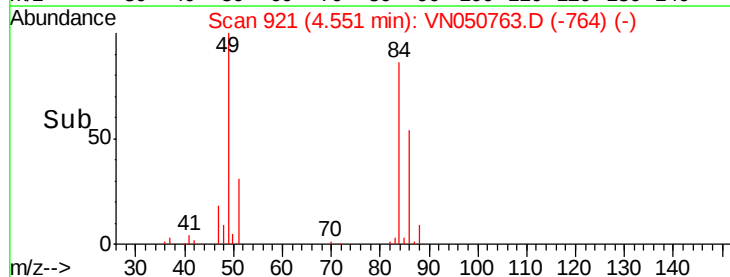
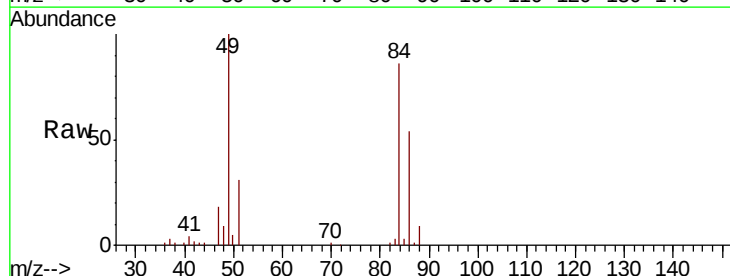
RT: 4.55 min Scan# 921

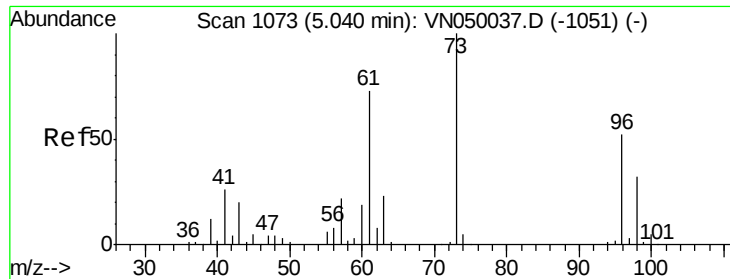
Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	84	Resp:	149289
Ion	Ratio	Lower	Upper
84	100		
49	116.3	95.1	142.7
51	36.5	28.8	43.2
86	62.9	52.3	78.5





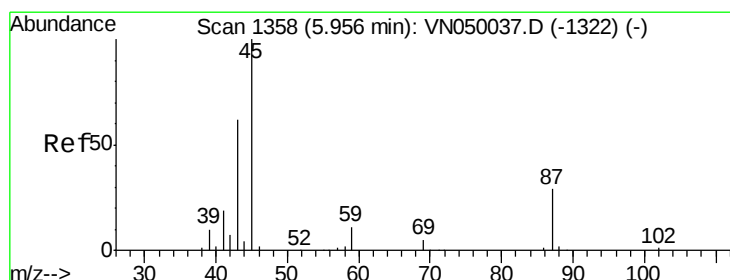
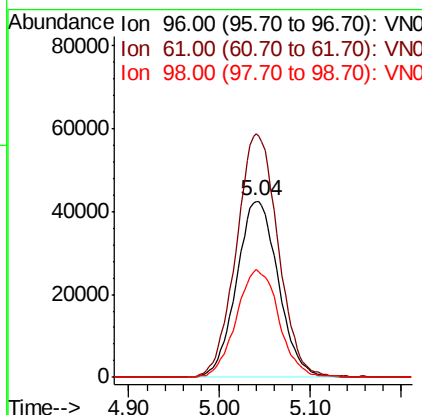
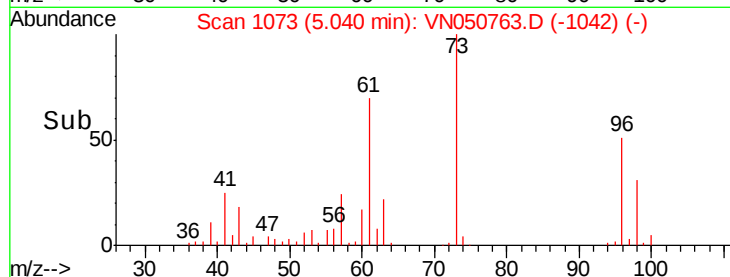
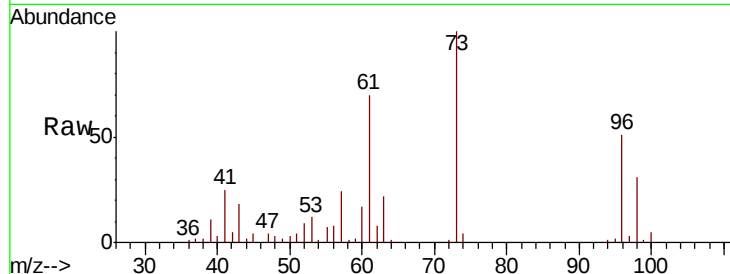
#19
trans-1,2-Dichloroethene
Concen: 20.32 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.2	112.1	168.1
98	61.0	51.3	76.9

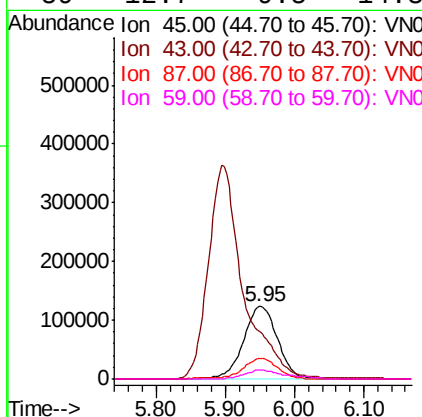
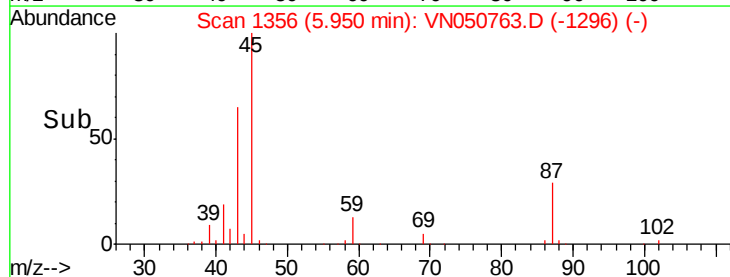
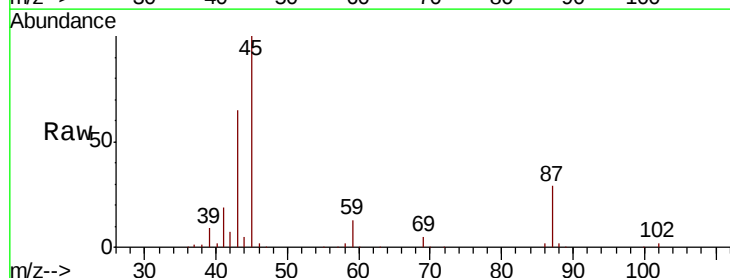
Manual Integrations
APPROVED

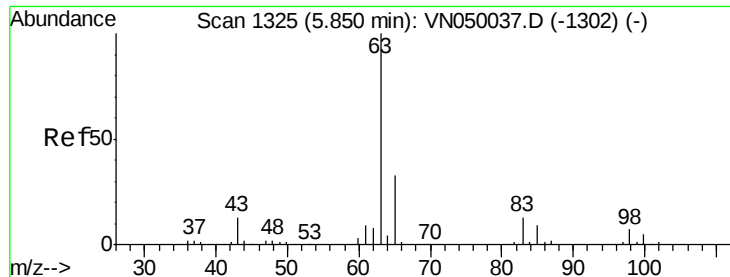
MMDadoda
8/21/2018 2:12:50 PM



#20
Diisopropyl ether
Concen: 20.95 ug/l
RT: 5.95 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.0	46.6	70.0
87	28.7	22.3	33.5
59	12.7	9.5	14.3





#21

1,1-Dichloroethane

Concen: 20.14 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

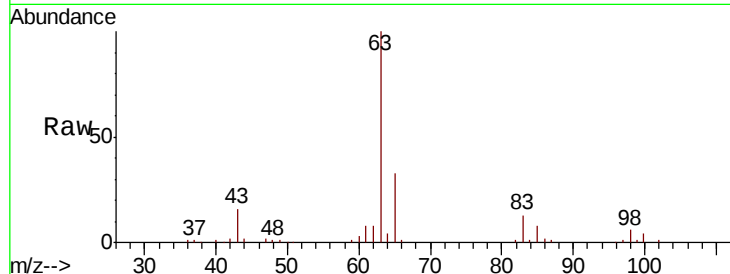
ClientSampled :

VSTDCCC020

Tot Ion:	63	Resp:	255469
Ion Ratio	Lower	Upper	
63	100		
98	6.1	3.5	10.6
100	4.4	2.3	6.8

Manual Integrations
APPROVED

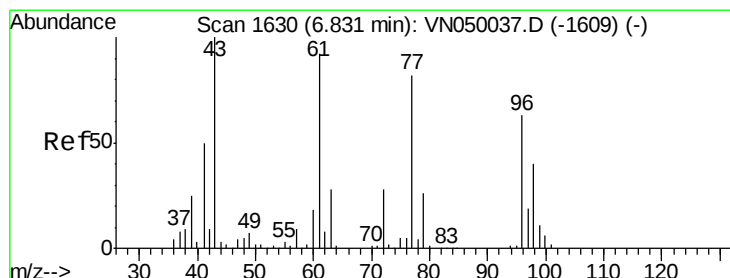
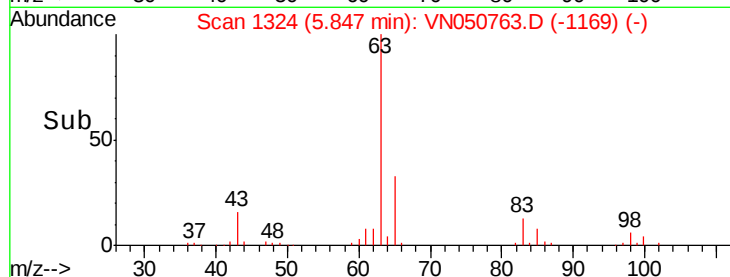
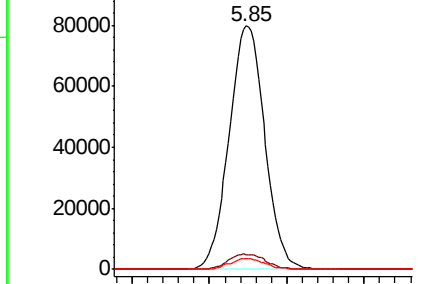
MMDadoda
8/21/2018 2:12:50 PM



Abundance Ion 63.00 (62.70 to 63.70): VN050763.D (-1169) (-)

Ion 98.00 (97.70 to 98.70): VN050763.D (-1169) (-)

Ion 100.00 (99.70 to 100.70): VN050763.D (-1169) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.12 ug/l

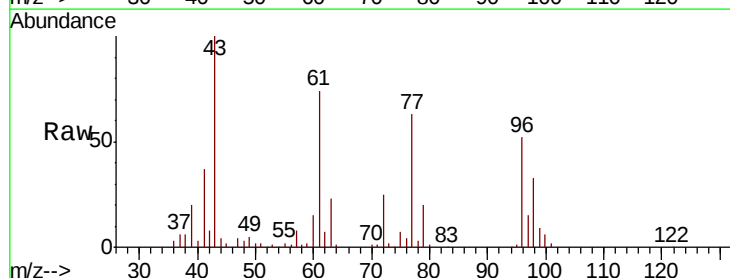
RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

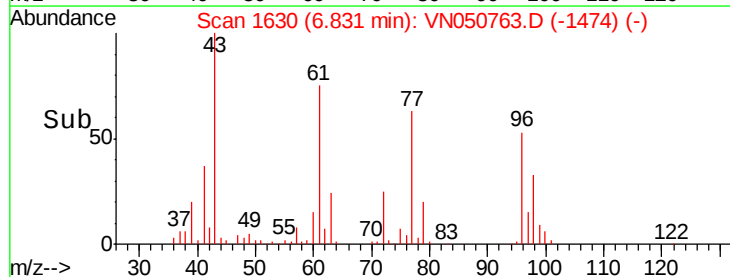
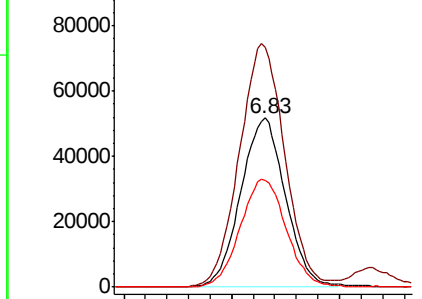
Tgt Ion:	96	Resp:	148828
Ion Ratio	Lower	Upper	
96	100		
61	146.1	114.2	171.2
98	65.9	51.7	77.5

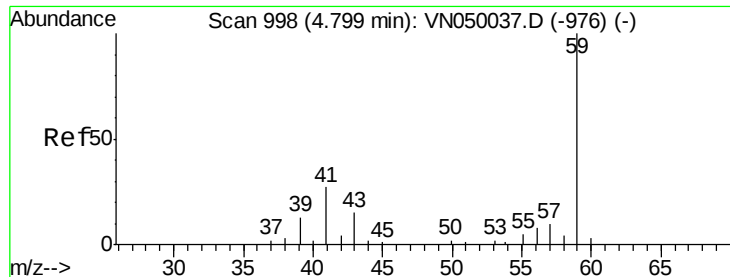


Abundance Ion 96.00 (95.70 to 96.70): VN050763.D (-1474) (-)

Ion 61.00 (60.70 to 61.70): VN050763.D (-1474) (-)

Ion 98.00 (97.70 to 98.70): VN050763.D (-1474) (-)





#23

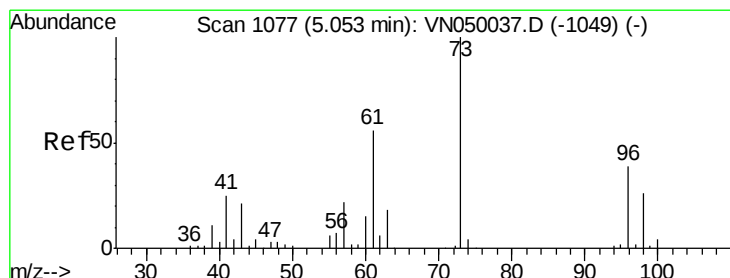
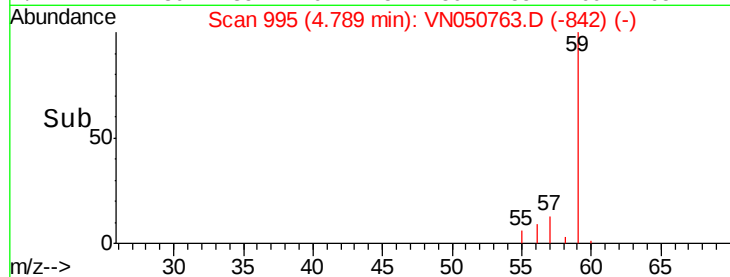
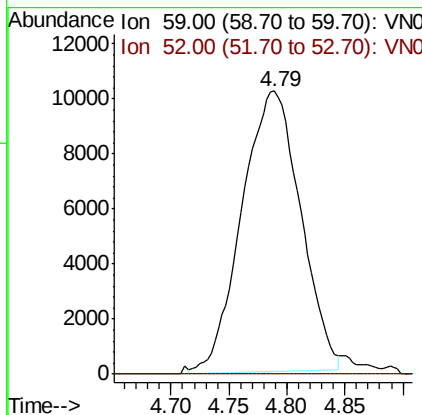
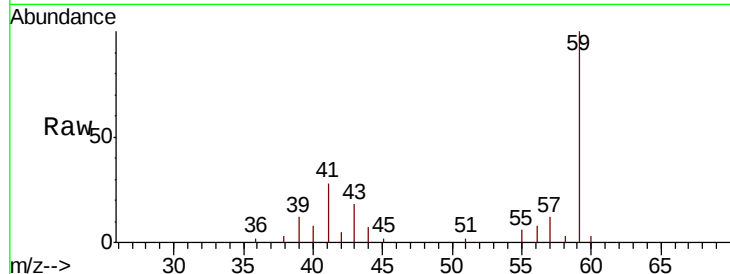
tert-Butyl Alcohol
 Concen: 67.29 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	59	52	Ratio	Lower	Upper
35801	100	0.0		0.1	0.1#

Manual Integrations
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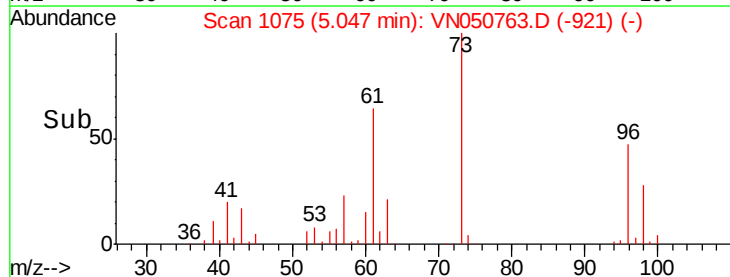
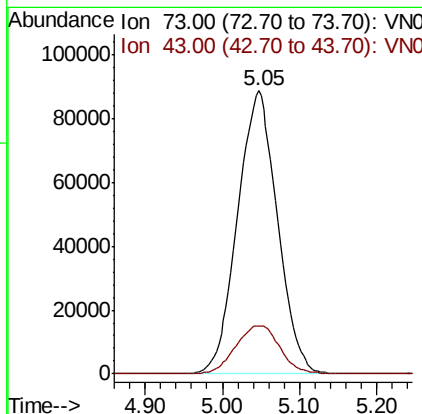
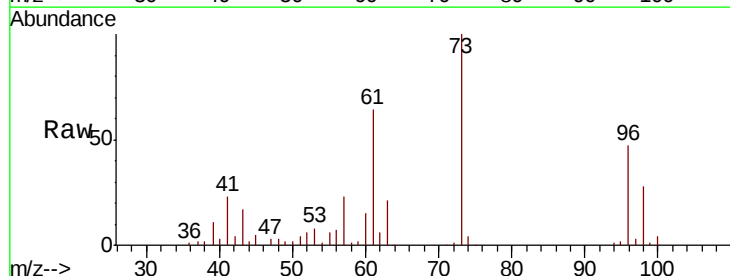
MMDadoda
 8/21/2018 2:12:50 PM

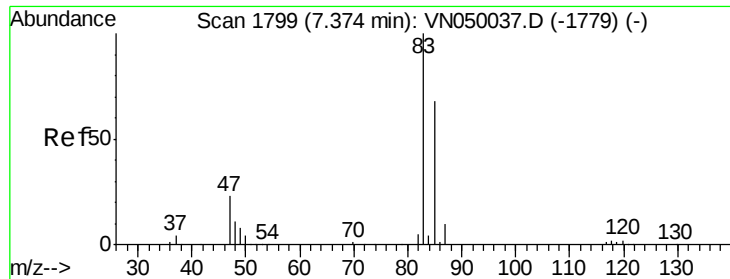


#24

Methyl tert-Butyl Ether
 Concen: 18.73 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	73	43	Ratio	Lower	Upper
318233	100	18.7		15.5	23.3





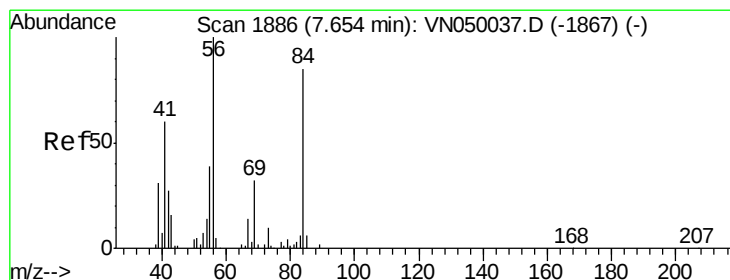
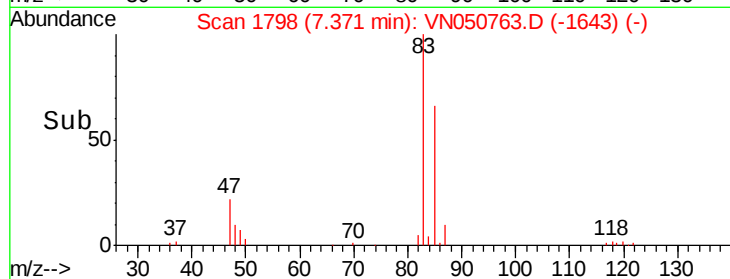
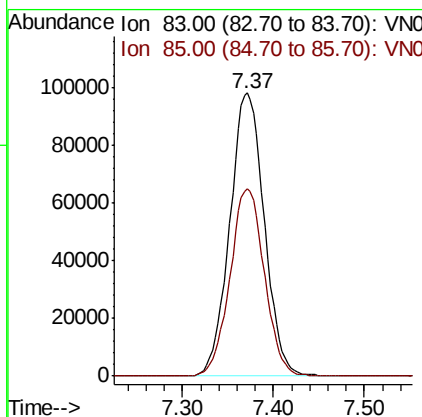
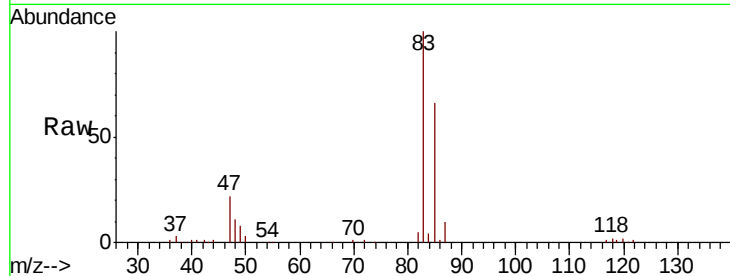
#25
Chloroform
Concen: 20.15 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	83	Resp	258648
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	52.1	78.1

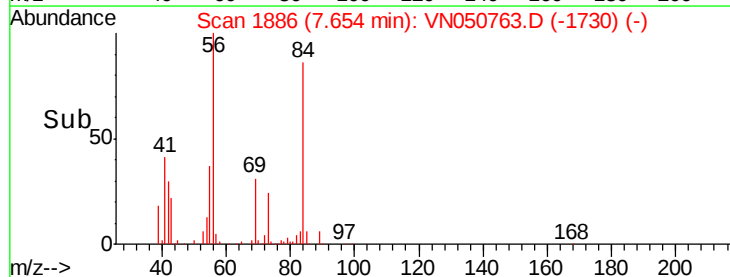
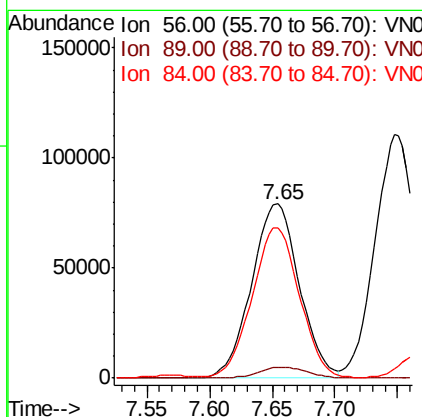
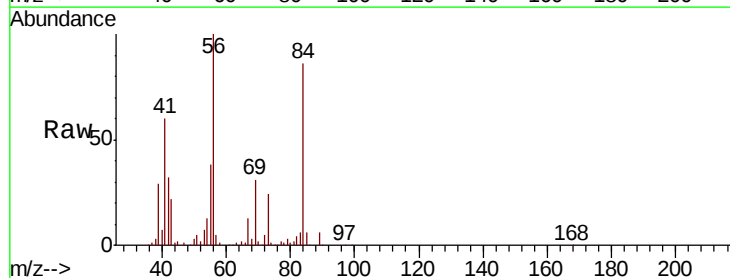
Manual Integrations
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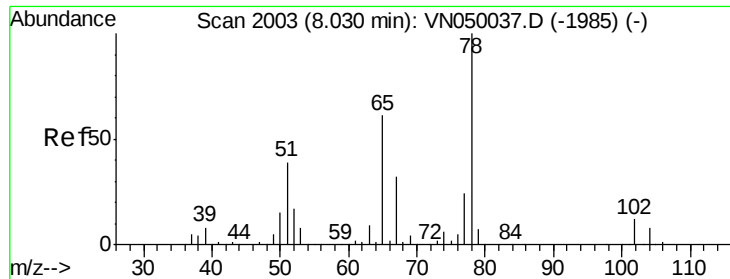
MMDadoda
8/21/2018 2:12:50 PM



#26
Cyclohexane
Concen: 20.85 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	56	Resp	210087
Ion Ratio	100	Lower	Upper
56	100		
89	6.3	3.0	4.4#
84	84.5	69.8	104.8





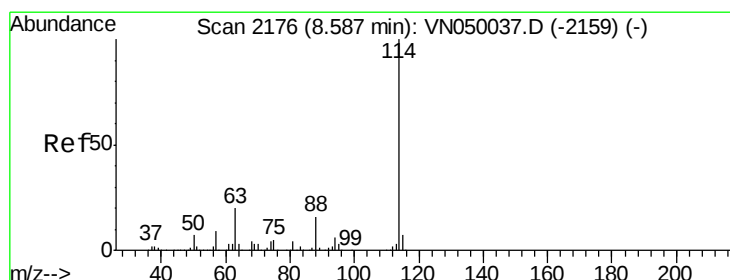
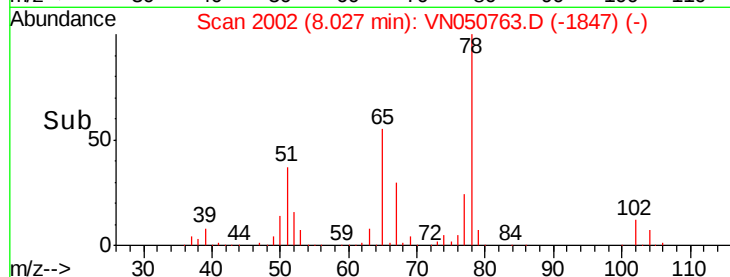
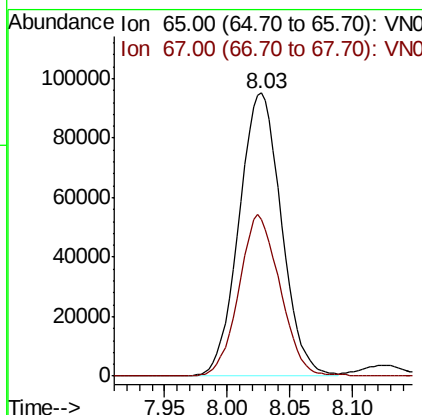
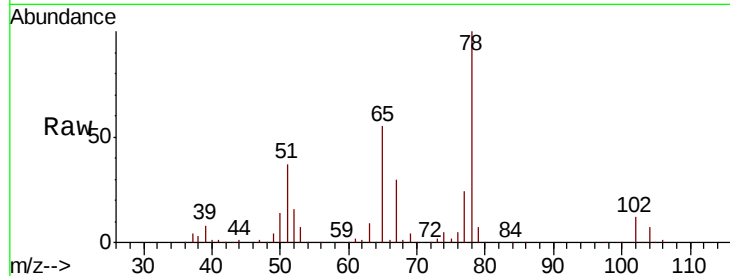
#27
 1,2-Dichloroethane-d4
 Concen: 28.21 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	42.7	64.1

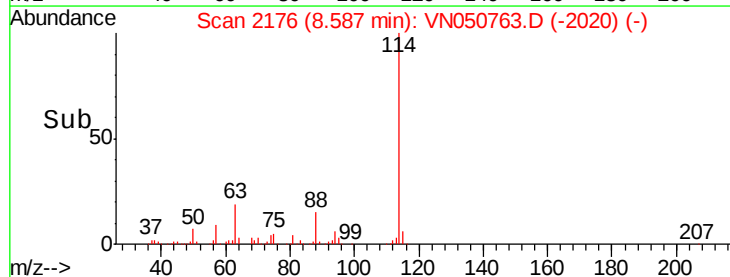
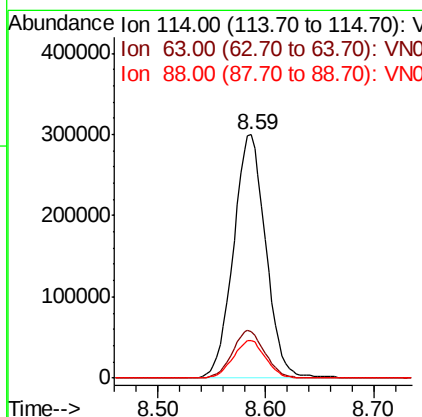
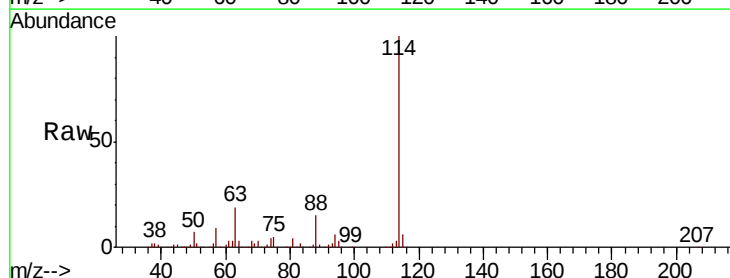
Manual Integrations
 APPROVED

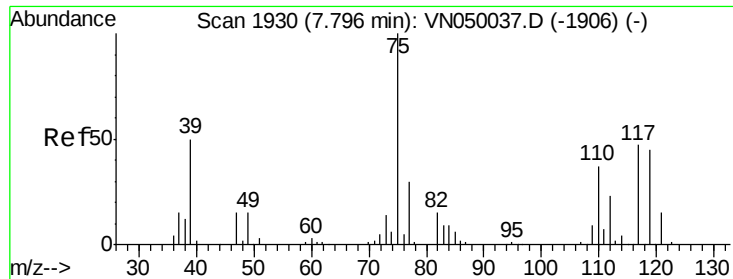
MMDadoda
 8/21/2018 2:12:50 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	16.2	24.2
88	15.4	12.3	18.5





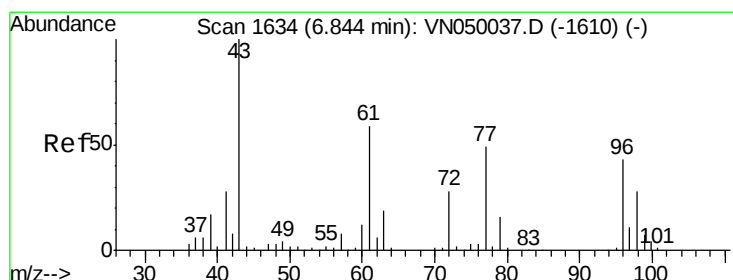
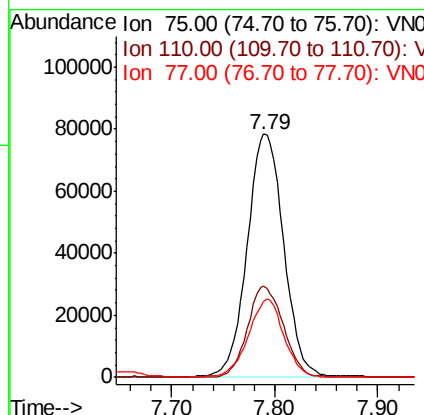
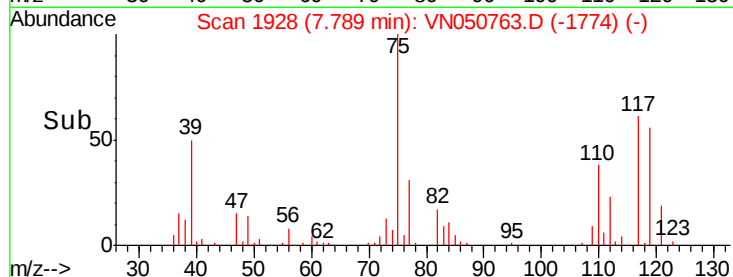
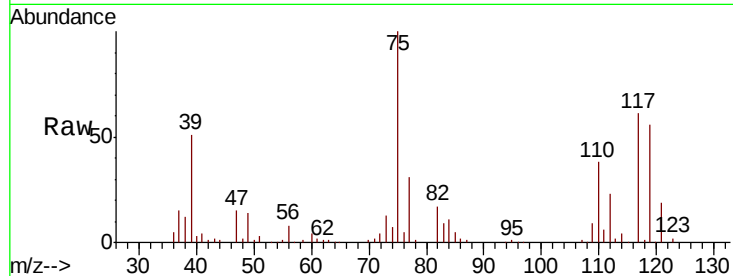
#29
 1,1-Dichloropropene
 Concen: 19.85 ug/l
 RT: 7.79 min Scan# 1928
 Delta R.T. -0.01 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.8	0.0	73.2
77	31.3	0.0	62.0

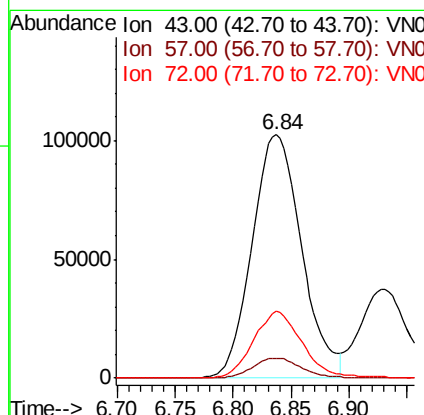
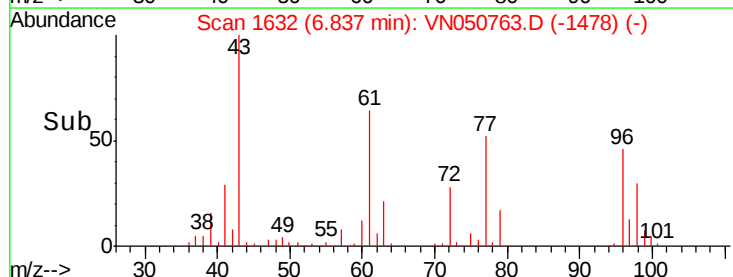
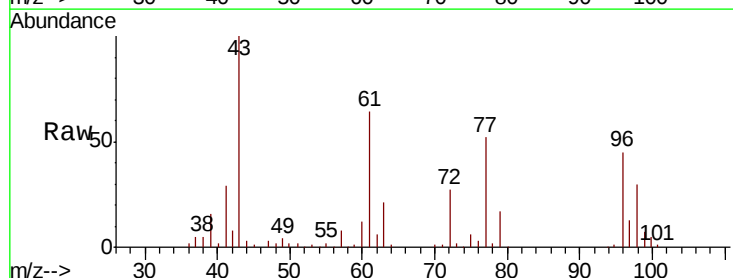
Manual Integrations
 APPROVED

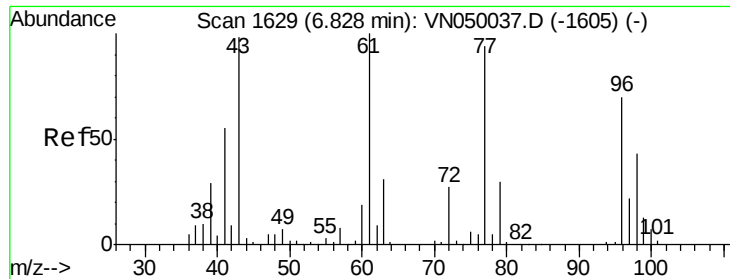
MMDadoda
 8/21/2018 2:12:50 PM



#30
 2-Butanone
 Concen: 99.33 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.8	10.2
72	27.0	21.4	32.0





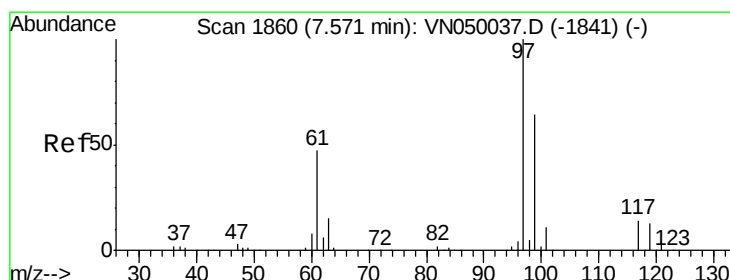
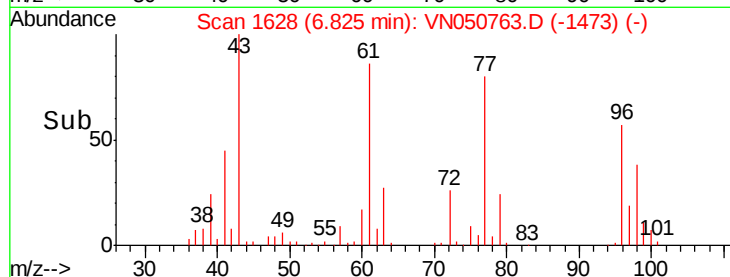
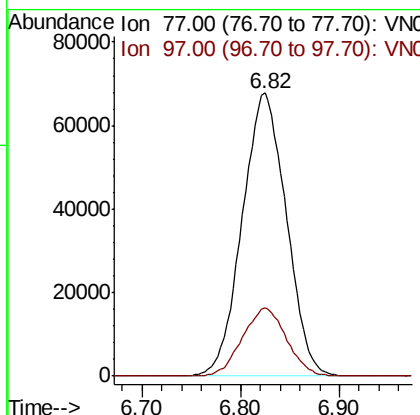
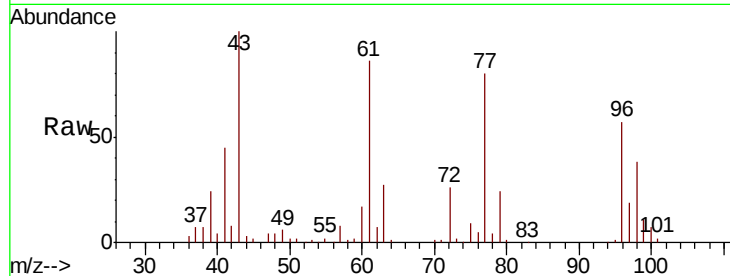
#31
 2,2-Dichloropropane
 Concen: 19.48 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 77 Resp: 209459
 Ion Ratio Lower Upper
 77 100
 97 24.2 18.9 28.3

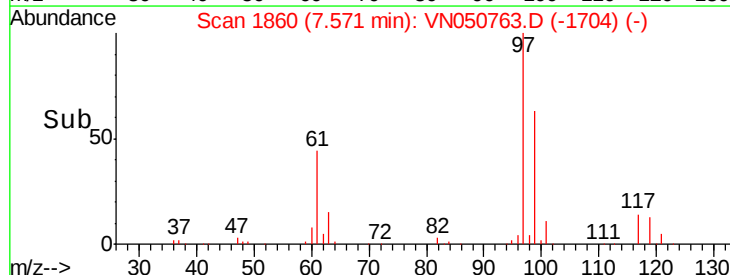
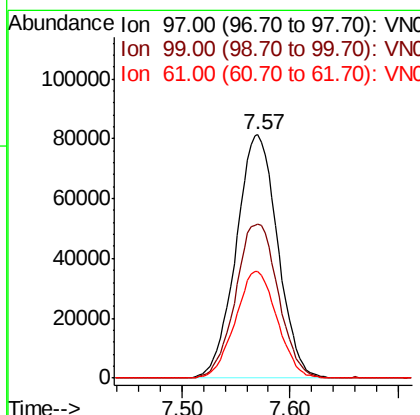
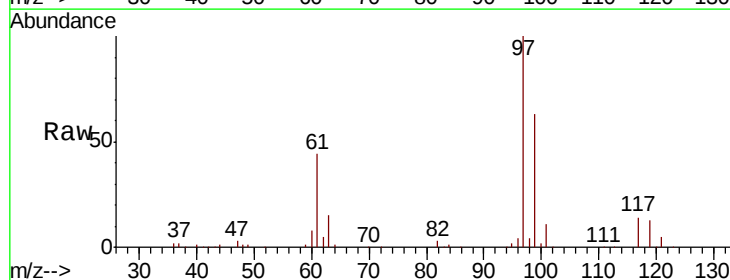
Manual Integrations
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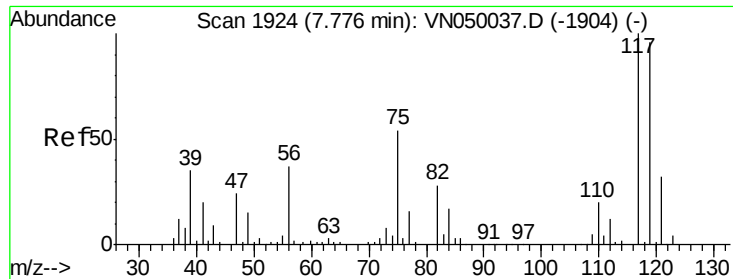
MMDadoda
 8/21/2018 2:12:50 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.04 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion: 97 Resp: 218033
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.2 76.8
 61 43.9 35.3 52.9





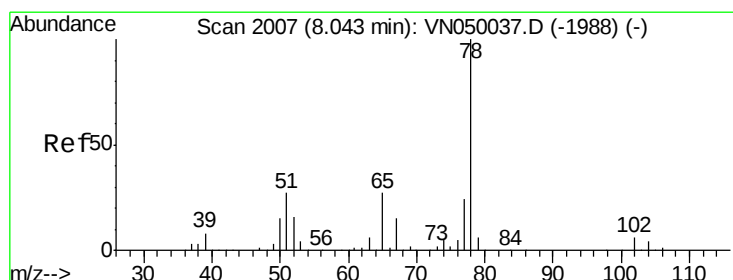
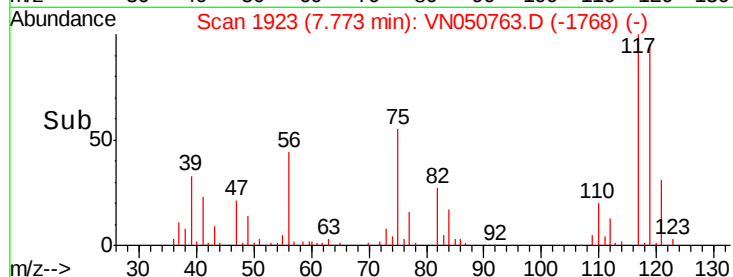
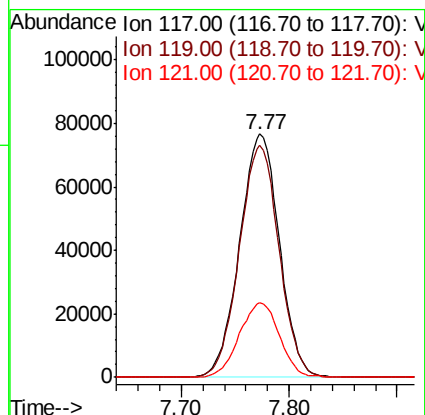
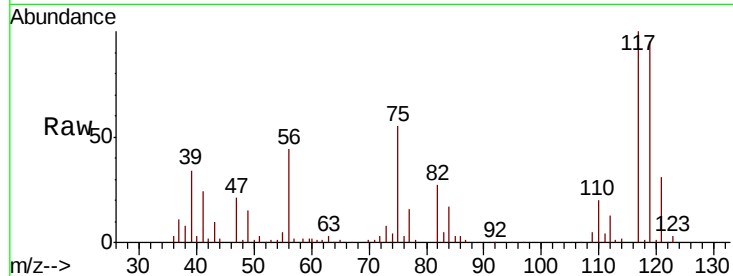
#33
Carbon Tetrachloride
Concen: 19.24 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.9	115.3
121	30.8	24.4	36.6

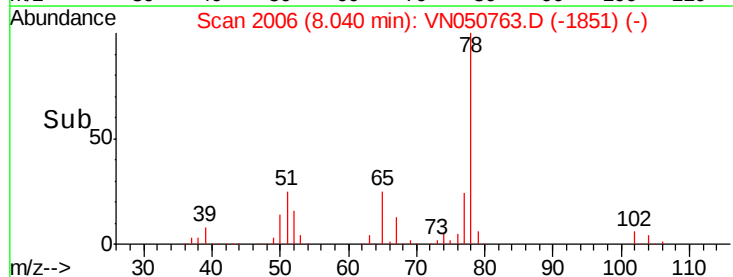
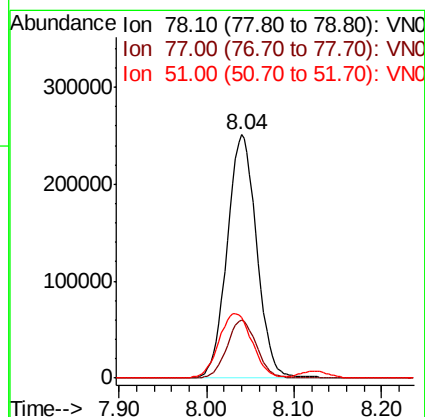
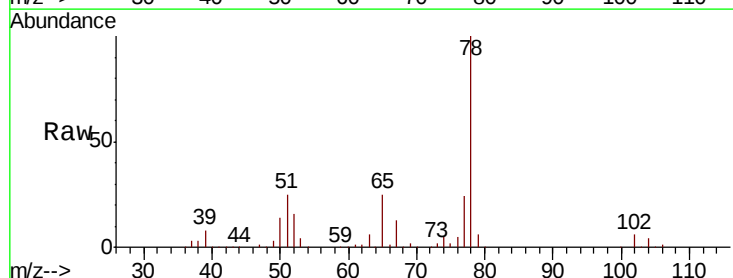
Manual Integrations
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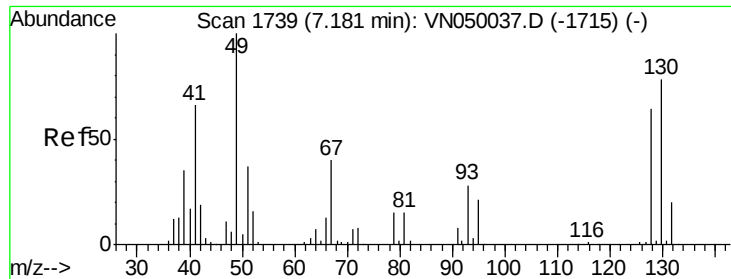
MMDadoda
8/21/2018 2:12:50 PM



#34
Benzene
Concen: 19.91 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7
51	24.4	21.0	31.4





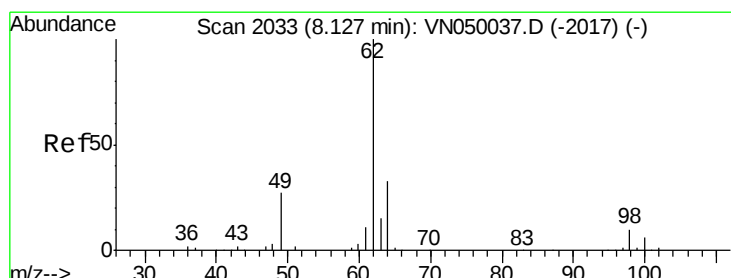
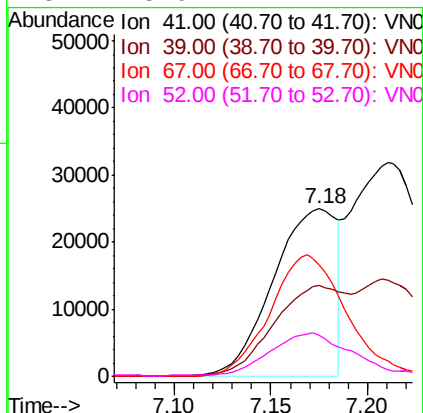
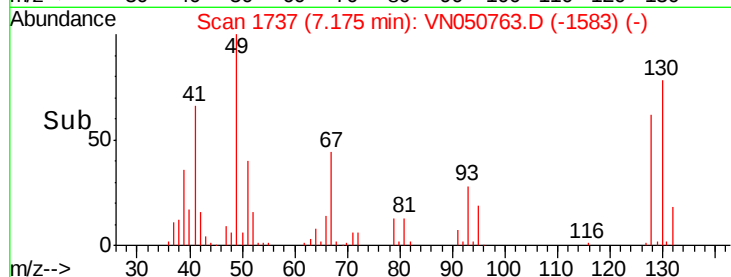
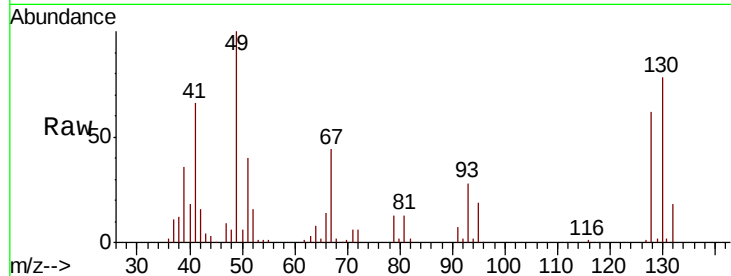
#35
Methacrylonitrile
Concen: 16.40 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	27.6	82.7	
67	67.0	35.1	105.5	
52	23.9	14.1	42.4	

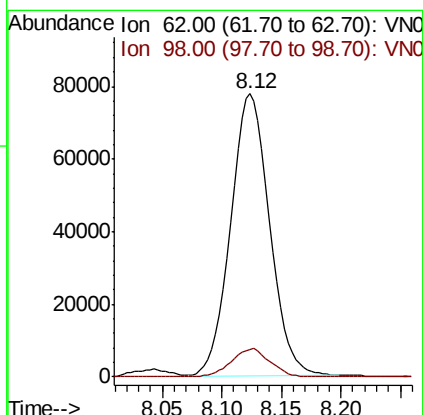
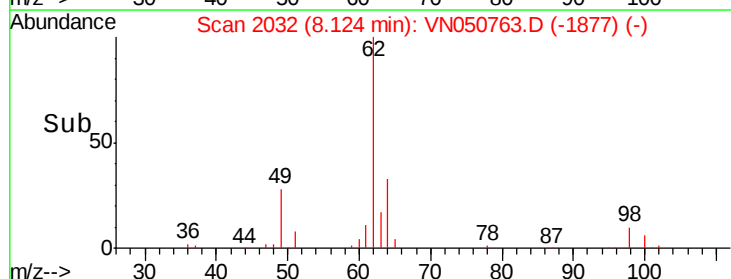
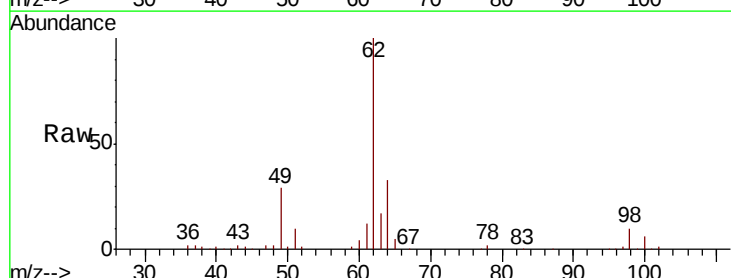
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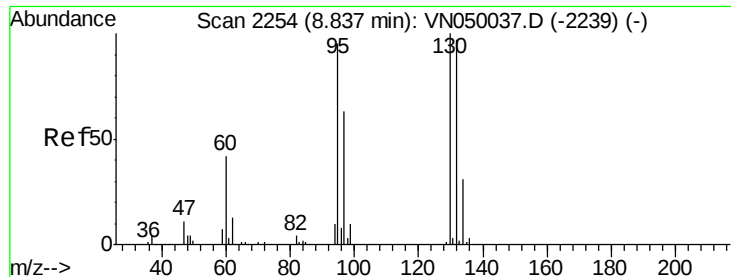
MMDadoda
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#36
1,2-Dichloroethane
Concen: 18.18 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	7.8	11.6	





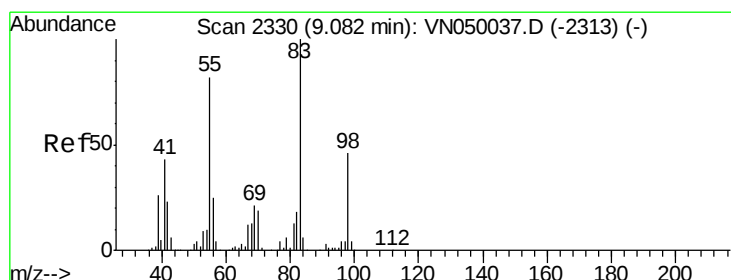
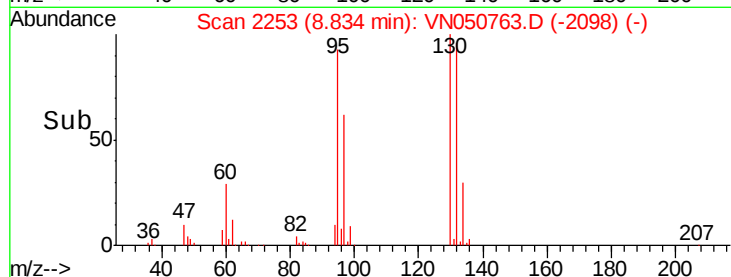
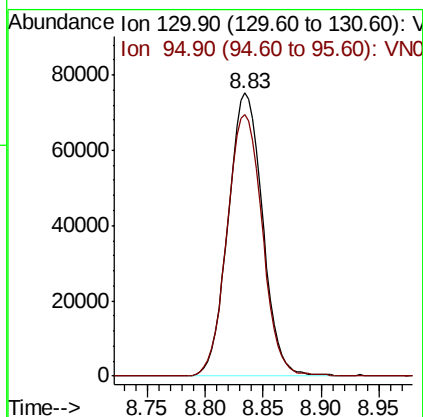
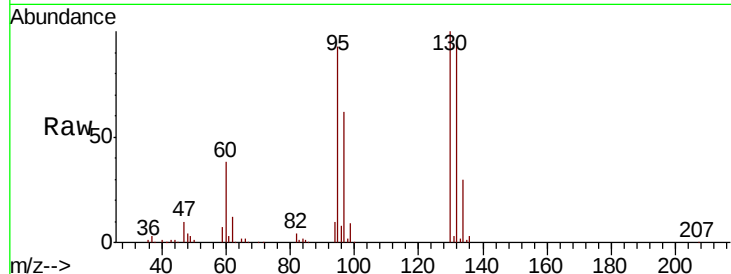
#37
 Trichloroethene
 Concen: 20.00 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 154980
 Ion Ratio Lower Upper
 130 100
 95 92.6 79.7 119.5

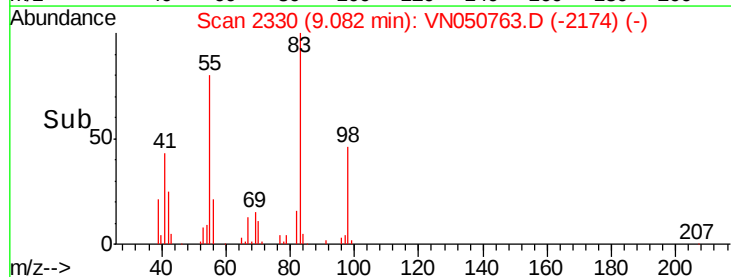
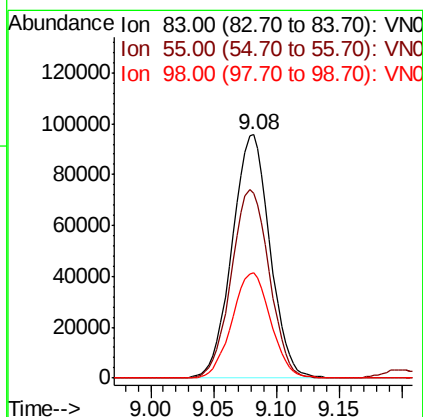
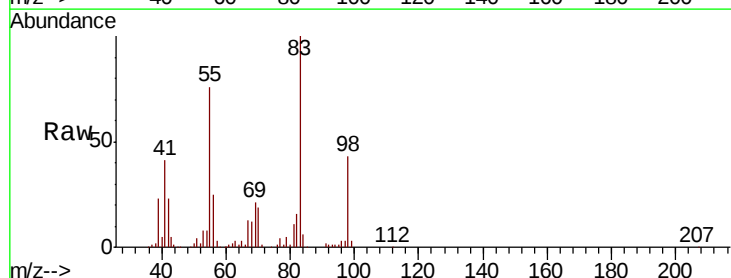
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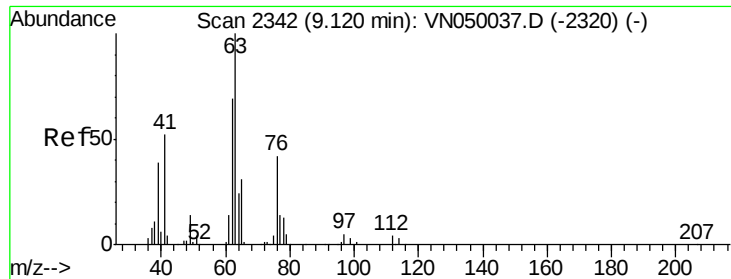
MMDadoda
 8/21/2018 2:12:50 PM



#38
 Methylcyclohexane
 Concen: 19.58 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion: 83 Resp: 200833
 Ion Ratio Lower Upper
 83 100
 55 77.8 39.3 117.8
 98 44.4 23.0 69.0





#39

1,2-Dichloropropane

Concen: 20.43 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 63 Resp: 159005

Ion Ratio Lower Upper

63 100

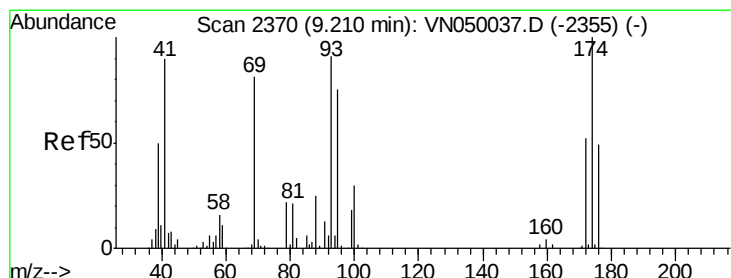
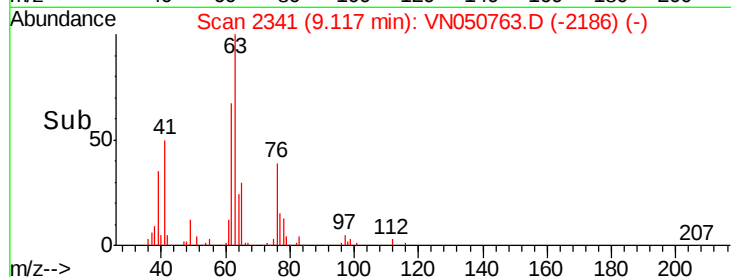
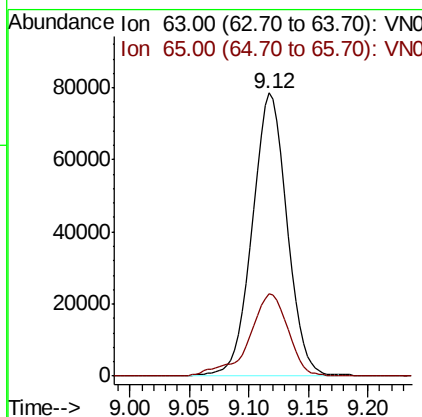
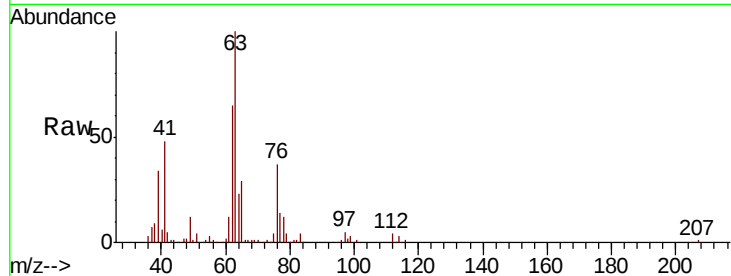
65 28.7 24.2 36.2

Manual Integrations

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MMDadoda

8/21/2018 2:12:50 PM



#40

Dibromomethane

Concen: 18.64 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

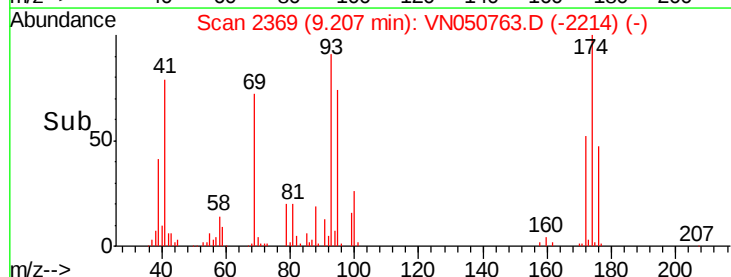
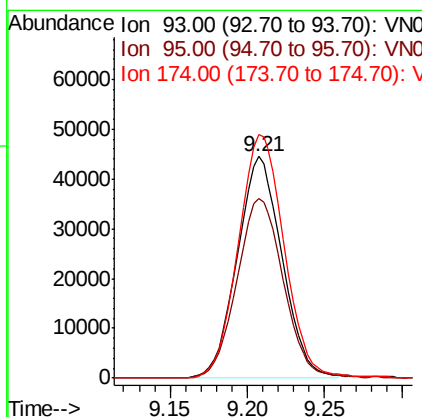
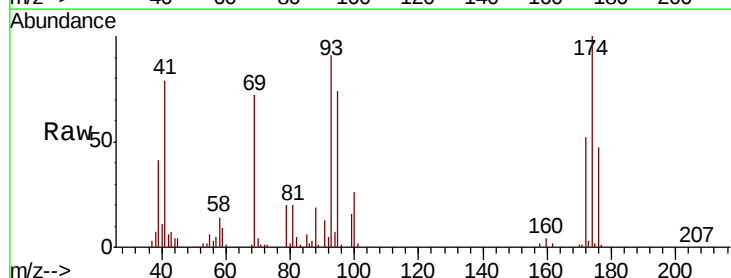
Tgt Ion: 93 Resp: 89636

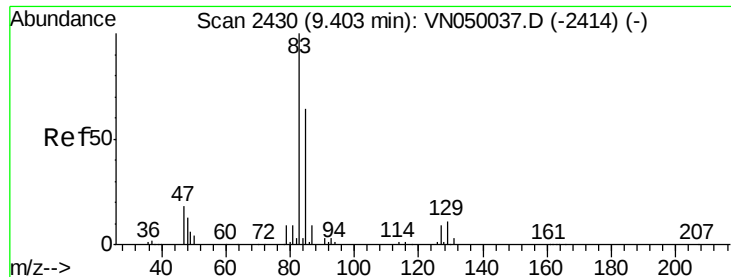
Ion Ratio Lower Upper

93 100

95 83.9 0.0 165.6

174 112.7 0.0 223.2





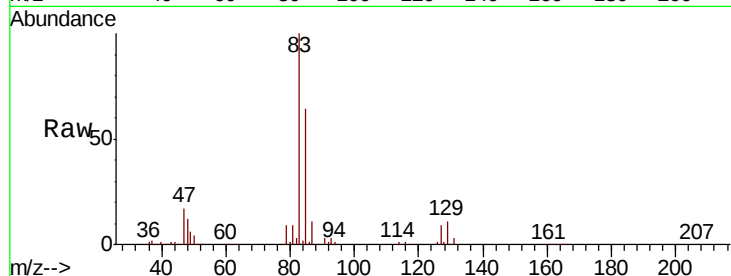
#41
Bromodichloromethane
Concen: 19.33 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

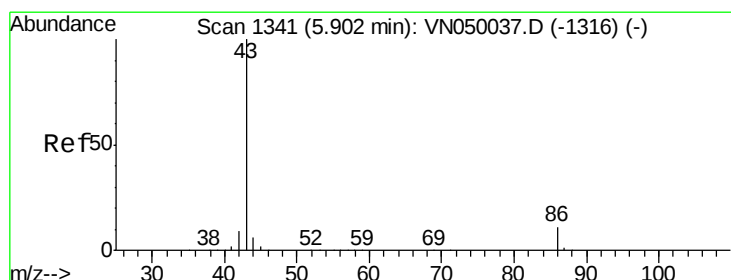
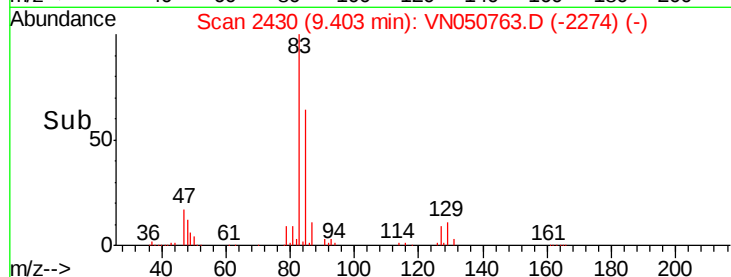
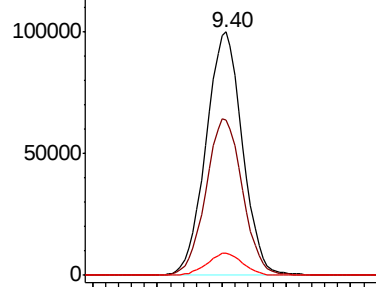
Tot Ion	83	Resp	196117
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	52.6	78.8
127	9.3	7.0	10.4

Manual Integrations
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MMDadoda
8/21/2018 2:12:50 PM

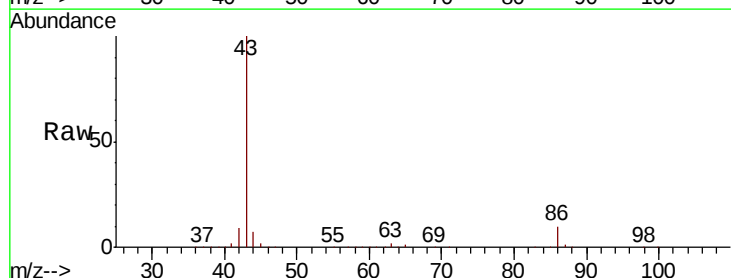


Abundance Ion 83.00 (82.70 to 83.70): VN050763.D (-2274) (-)
Ion 85.00 (84.70 to 85.70): VN050763.D (-2274) (-)
Ion 127.00 (126.70 to 127.70): VN050763.D (-2274) (-)

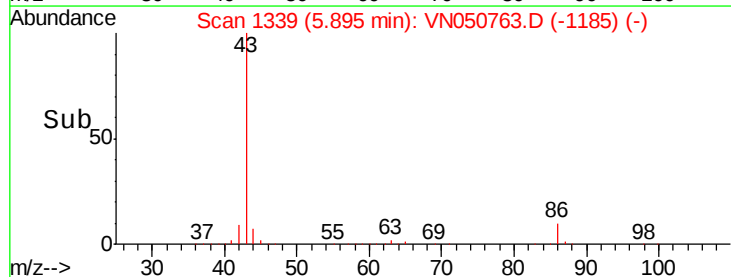
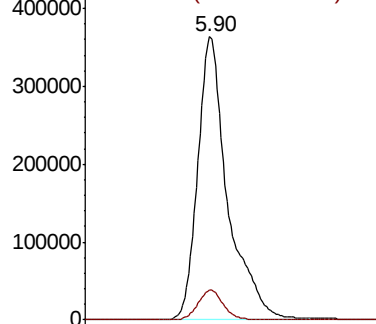


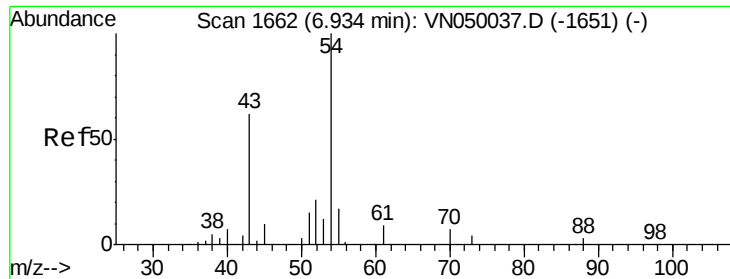
#42
Vinyl Acetate
Concen: 88.92 ug/l
RT: 5.90 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	43	Resp	1277289
Ion Ratio	100	Lower	Upper
43	100		
86	8.9	7.3	10.9



Abundance Ion 43.00 (42.70 to 43.70): VN050763.D (-1185) (-)
Ion 86.00 (85.70 to 86.70): VN050763.D (-1185) (-)





#43

Ethyl Acetate

Concen: 16.59 ug/l

RT: 6.93 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 43 Resp: 105714

Ion Ratio Lower Upper

43 100

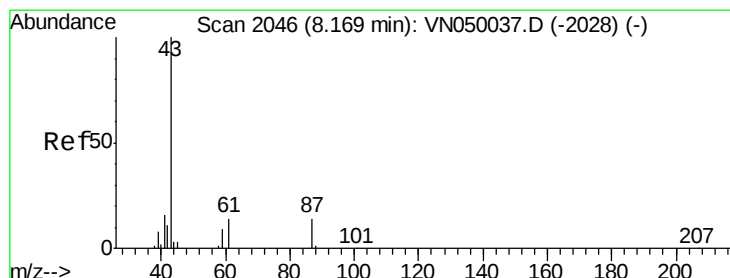
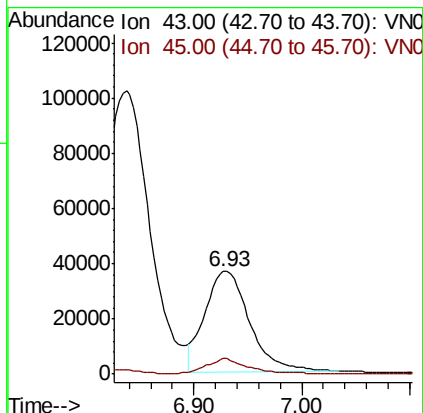
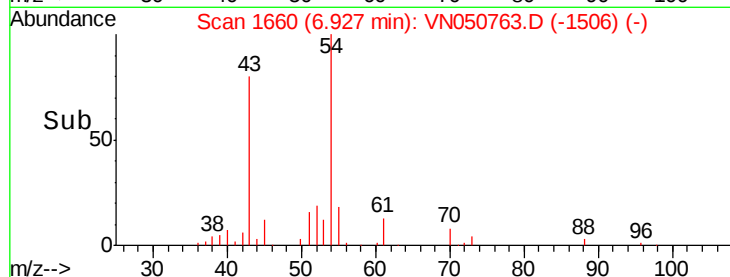
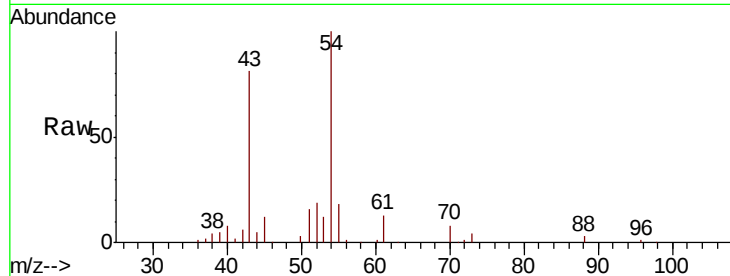
45 12.2 13.0 19.6#

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#44

Isopropyl Acetate

Concen: 15.71 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050763.D

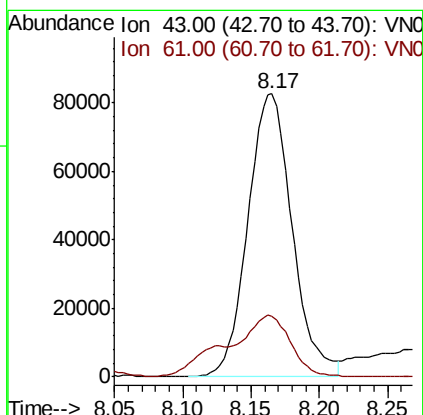
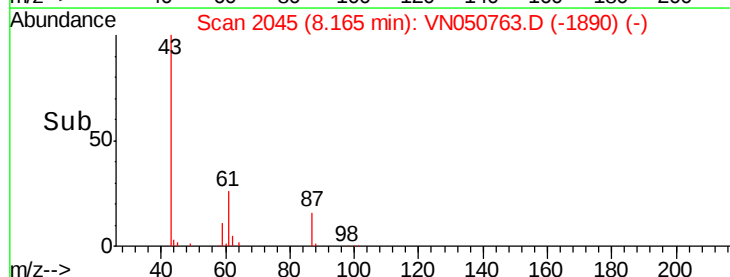
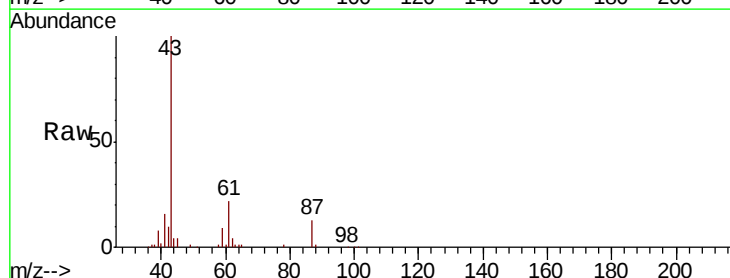
Acq: 20 Aug 2018 10:16

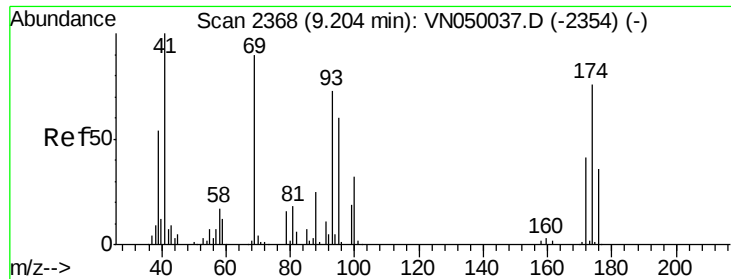
Tgt Ion: 43 Resp: 185513

Ion Ratio Lower Upper

43 100

61 19.6 16.4 24.6





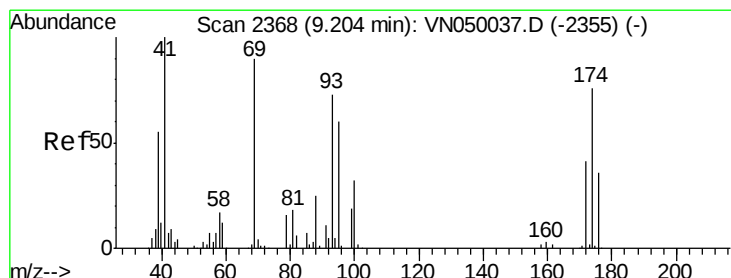
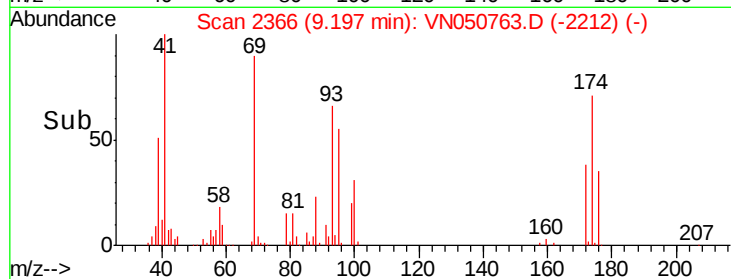
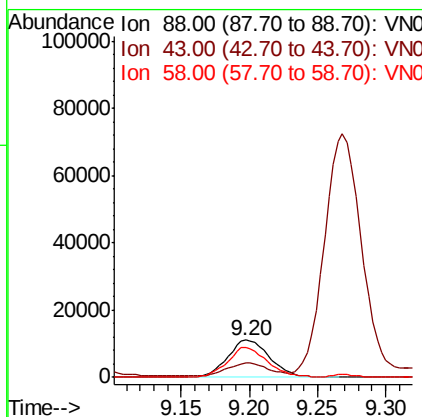
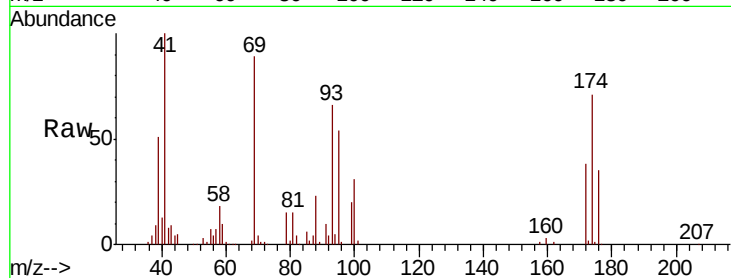
#45
 1,4-Dioxane
 Concen: 305.73 ug/l
 RT: 9.20 min Scan# 2366
 Delta R.T. -0.01 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.9	26.9	40.3	
58	76.3	53.6	80.4	

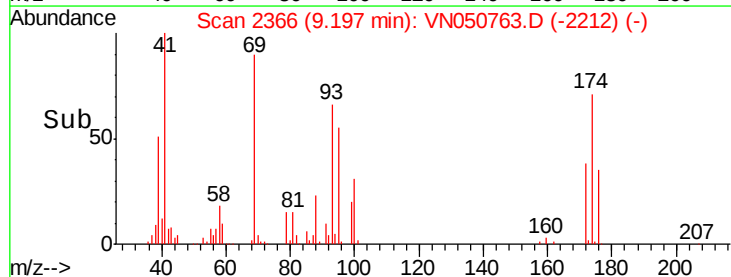
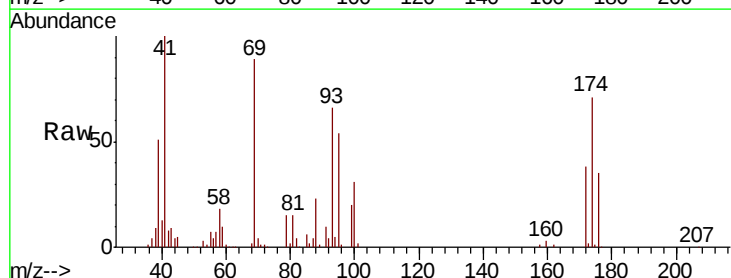
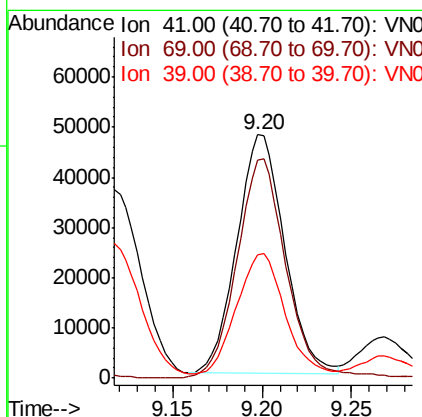
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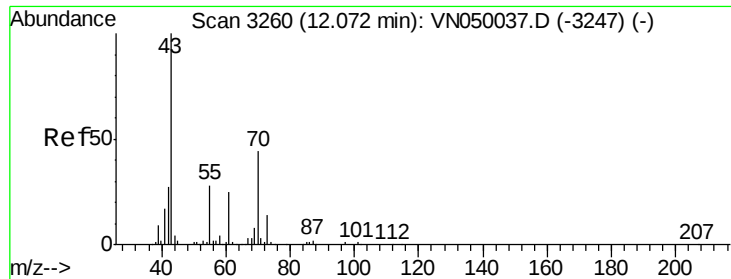
MMDadoda
 8/21/2018 2:12:50 PM



#46
 Methyl methacrylate
 Concen: 15.65 ug/l
 RT: 9.20 min Scan# 2366
 Delta R.T. -0.01 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	90.7	44.0	132.1	
39	50.2	27.0	80.8	





#47

n-amvl Acetate

Concen: 15.91 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 43 Resp: 146149

Ion Ratio Lower Upper

43 100

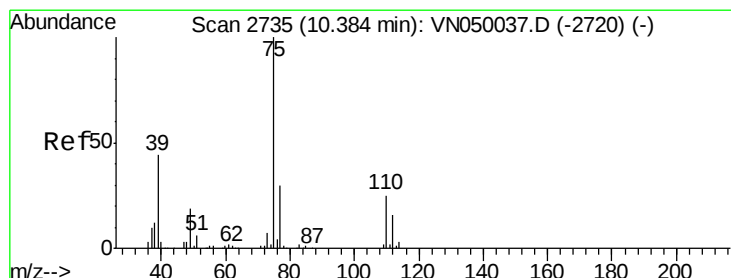
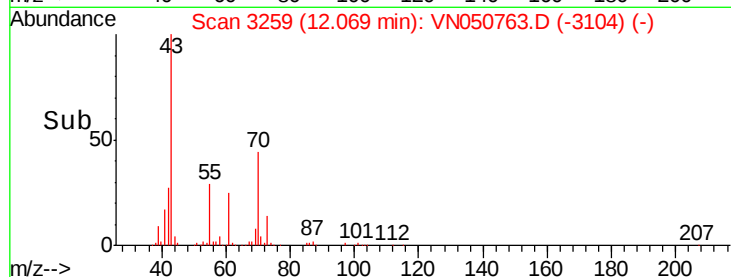
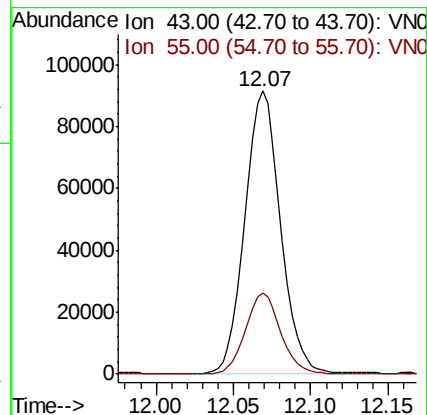
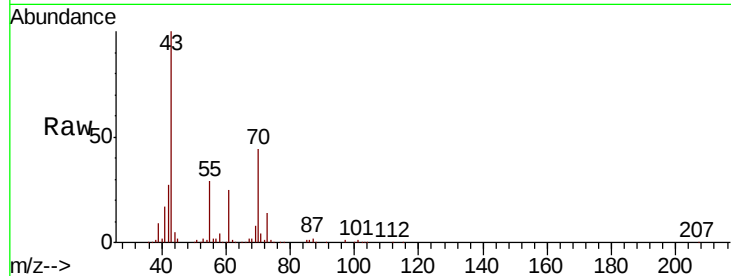
55 28.5 21.0 31.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.84 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN050763.D

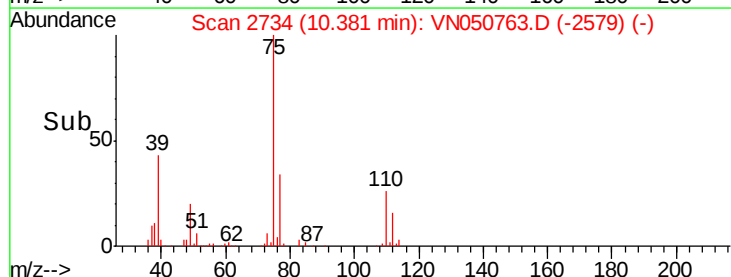
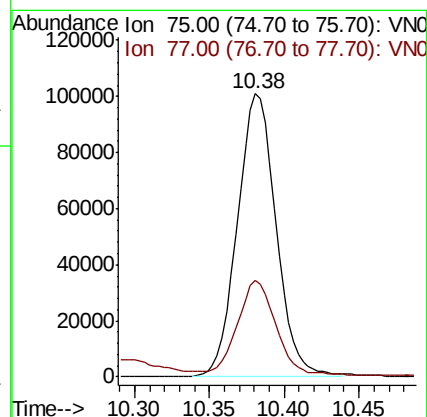
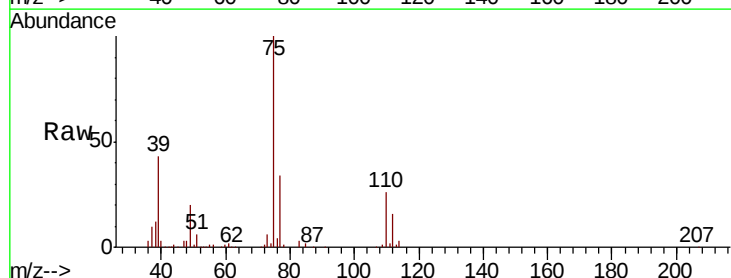
Acq: 20 Aug 2018 10:16

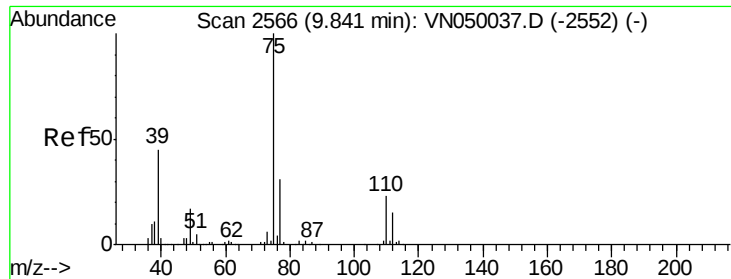
Tgt Ion: 75 Resp: 182218

Ion Ratio Lower Upper

75 100

77 33.4 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 19.48 ug/l

RT: 9.84 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

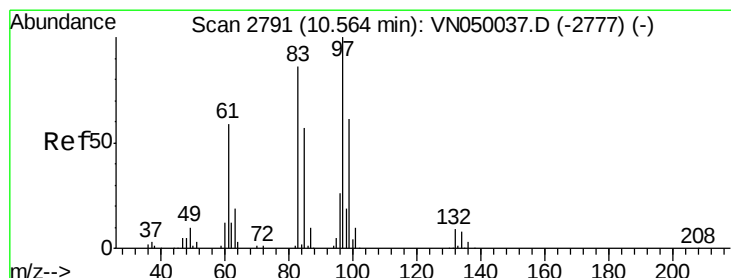
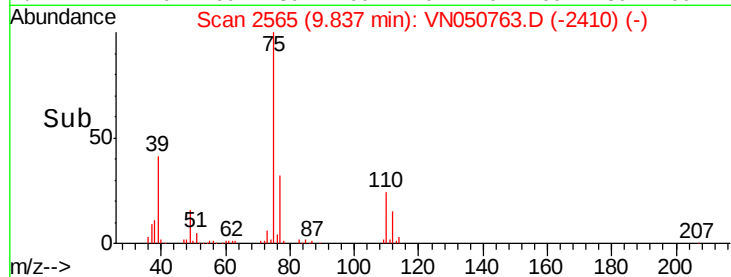
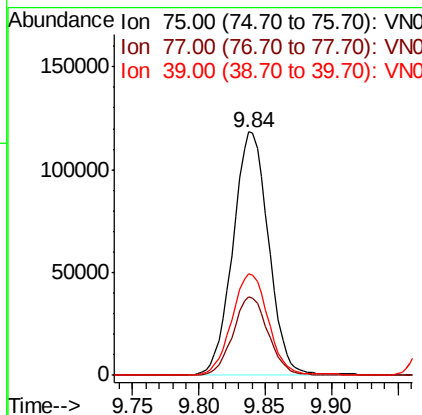
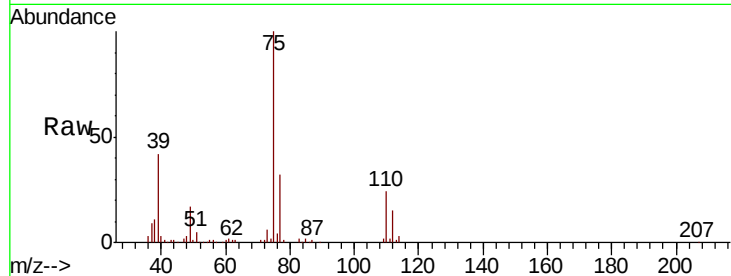
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	221357
Ion Ratio	Lower	Upper	
75	100		
77	32.2	25.7	38.5
39	41.5	36.3	54.5

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#50

1,1,2-Trichloroethane

Concen: 18.96 ug/l

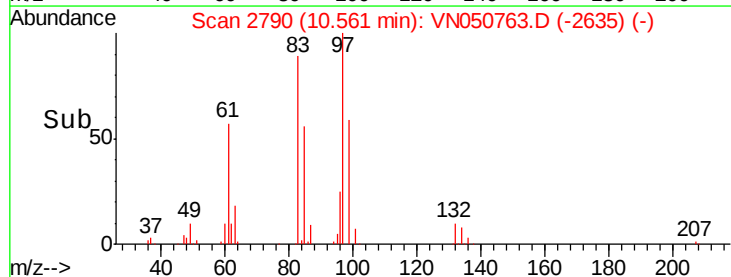
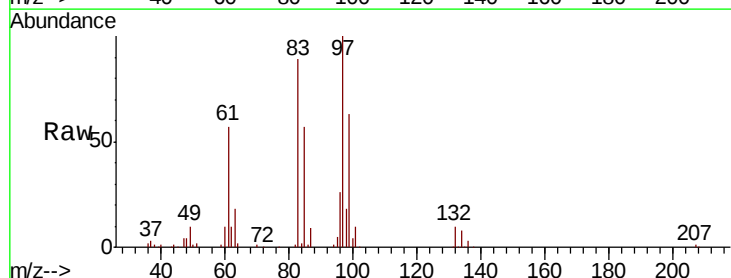
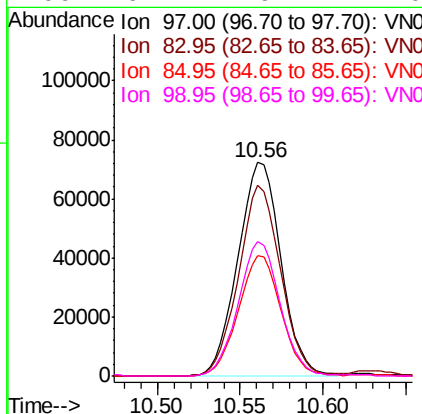
RT: 10.56 min Scan# 2790

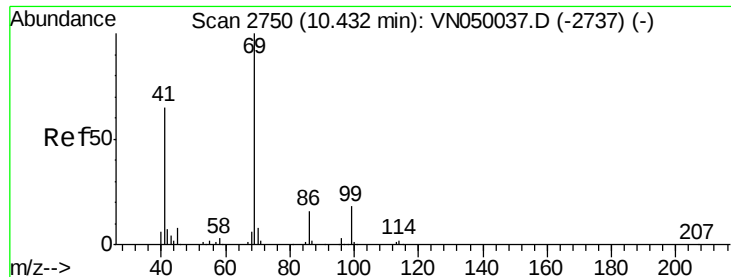
Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	97	Resp:	130892
Ion Ratio	Lower	Upper	
97	100		
83	89.1	68.1	102.1
85	56.6	45.4	68.2
99	62.7	49.4	74.0





#51

Ethyl methacrylate

Concen: 16.72 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

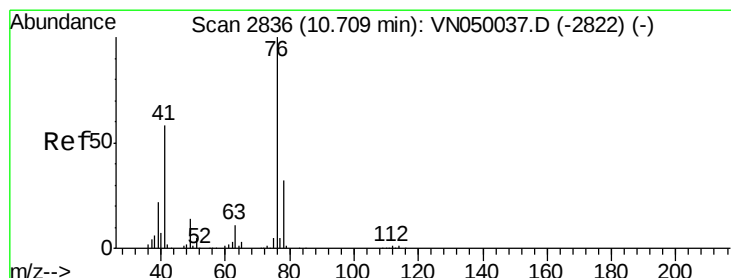
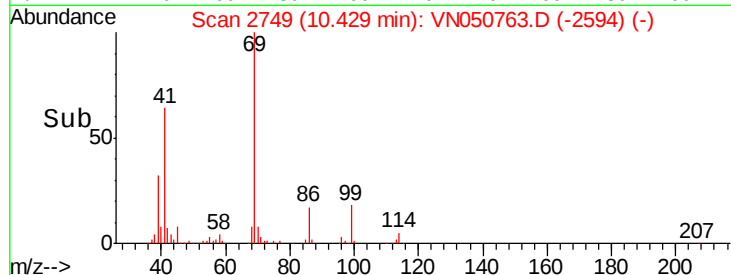
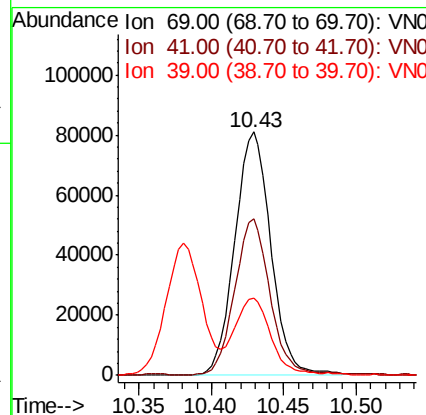
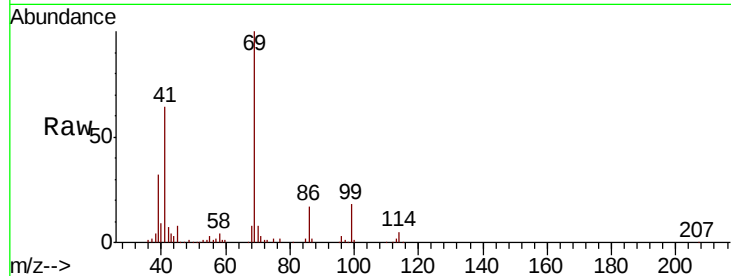
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	140109
Ion	Ratio	Lower	Upper
69	100		
41	64.0	31.9	95.9
39	31.3	16.7	50.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.14 ug/l

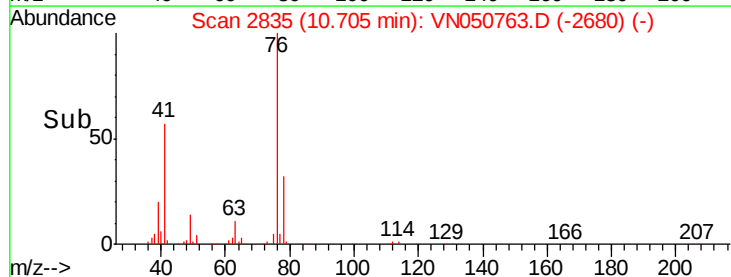
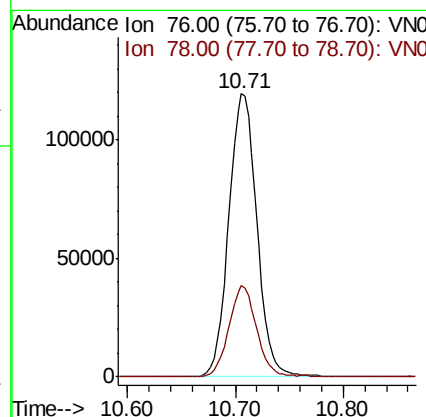
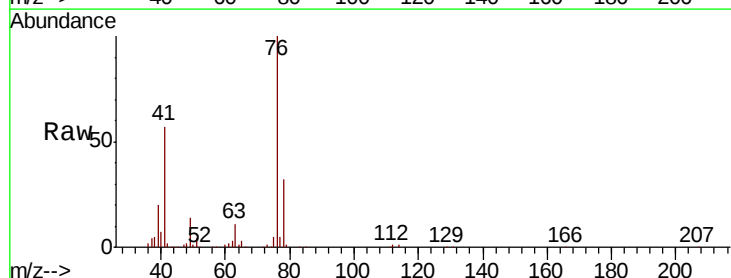
RT: 10.71 min Scan# 2835

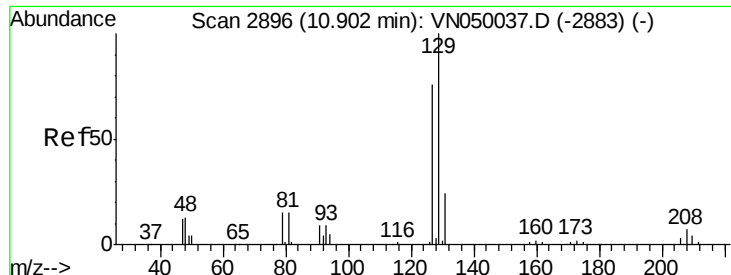
Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	76	Resp:	217026
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	65.6





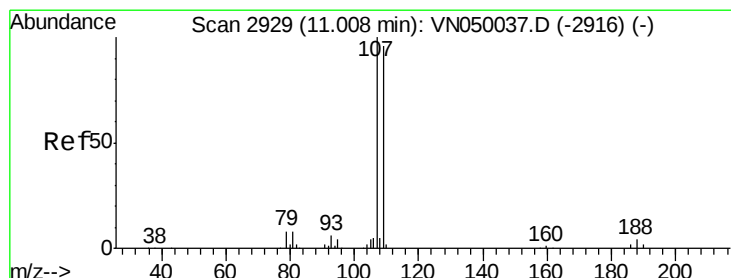
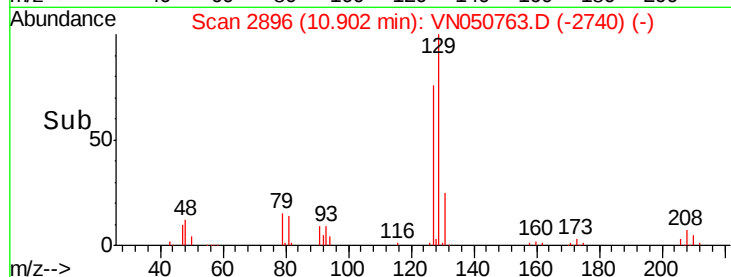
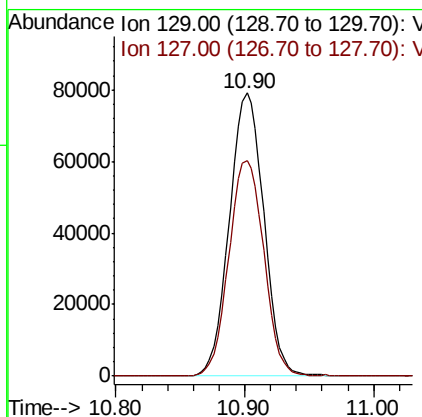
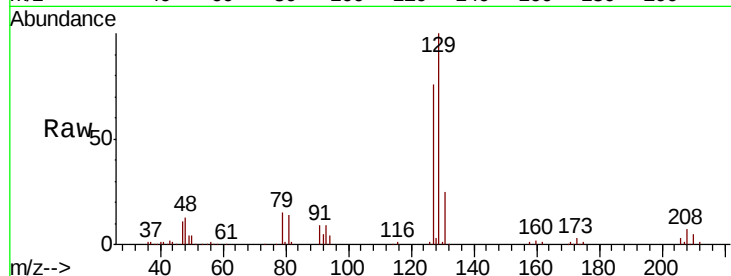
#53
 Dibromochloromethane
 Concen: 18.78 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.1	114.5

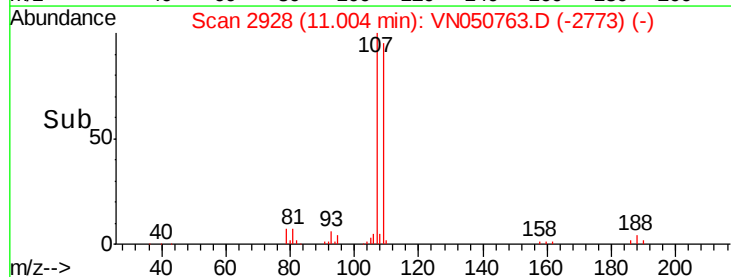
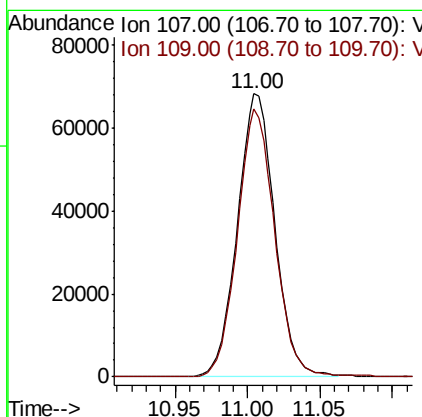
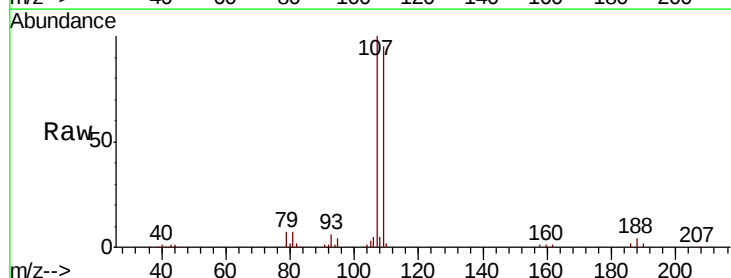
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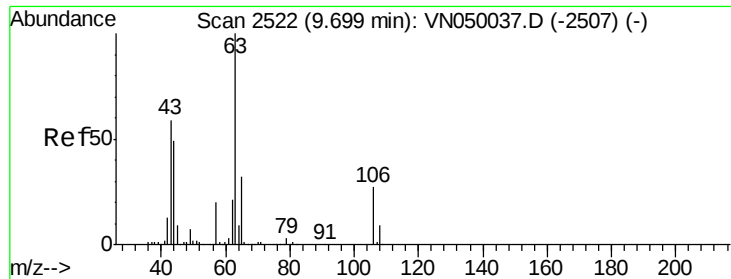
MMDadoda
 8/21/2018 2:12:50 PM



#54
 1,2-Dibromoethane
 Concen: 18.07 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.2	76.2	114.2





#55

2-Chloroethyl vinyl ether

Concen: 90.30 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

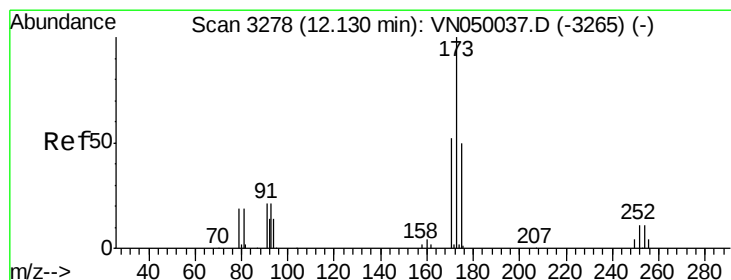
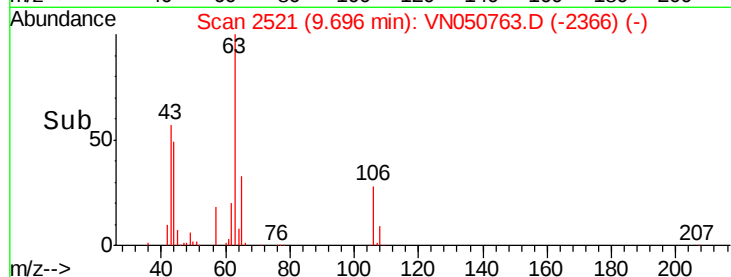
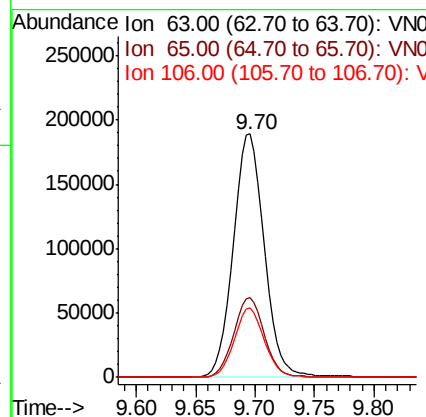
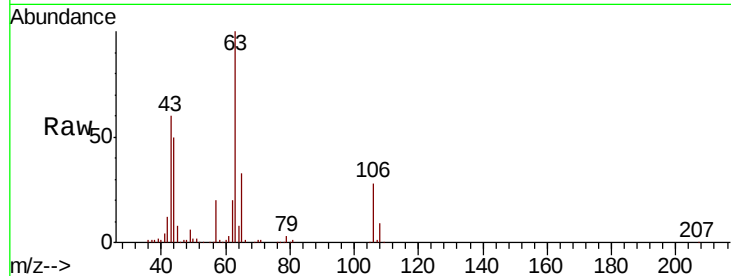
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	342450
Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.5	38.3
106	27.5	21.8	32.6

Manual Integrations
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#56

Bromoform

Concen: 17.48 ug/l

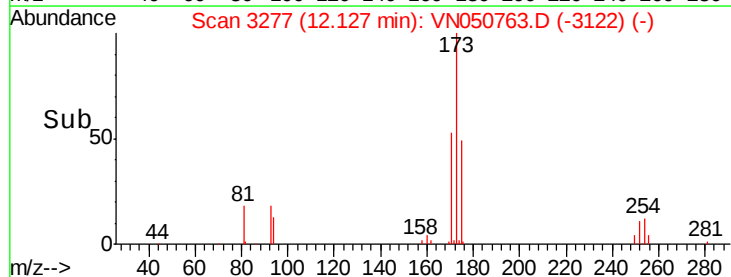
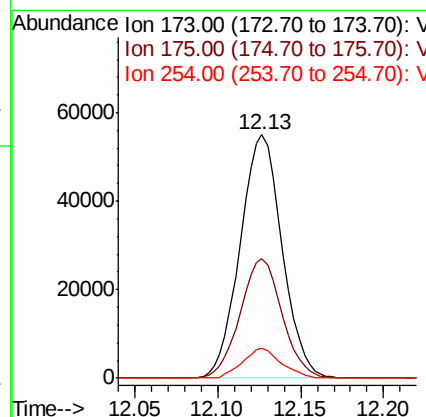
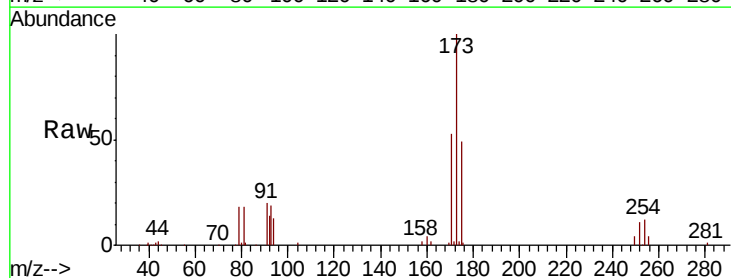
RT: 12.13 min Scan# 3277

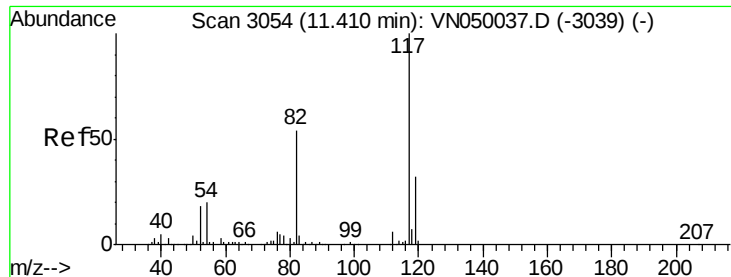
Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	173	Resp:	96683
Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.6	57.8
254	11.0	8.8	13.2





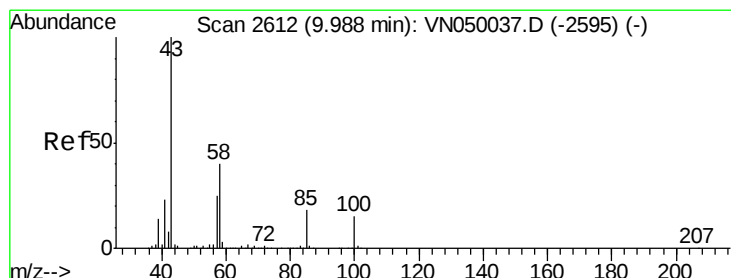
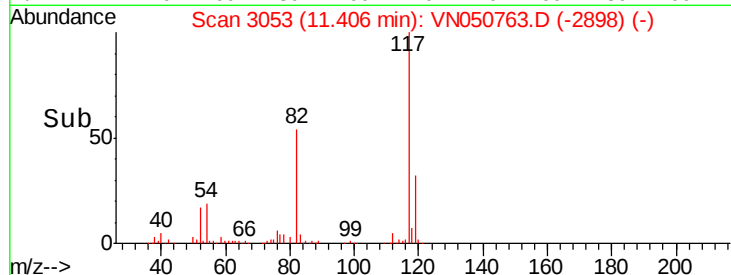
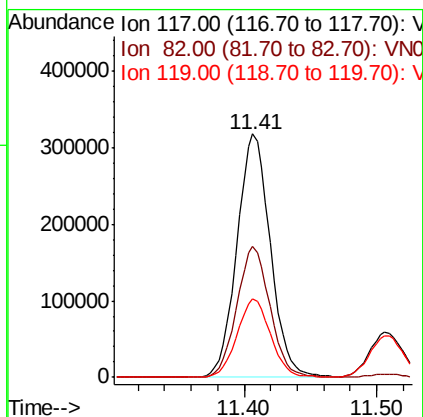
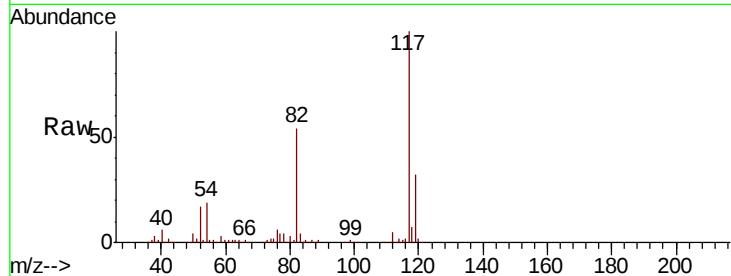
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	556650		
82	53.4	42.4	63.6	
119	32.3	25.4	38.0	

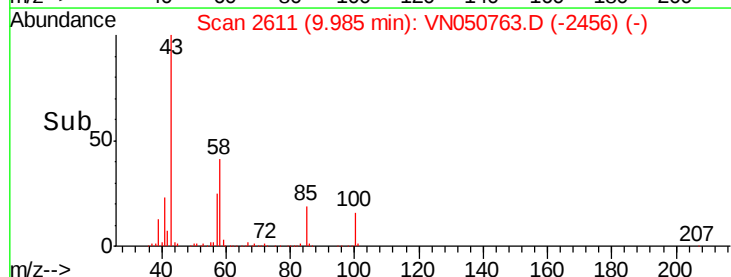
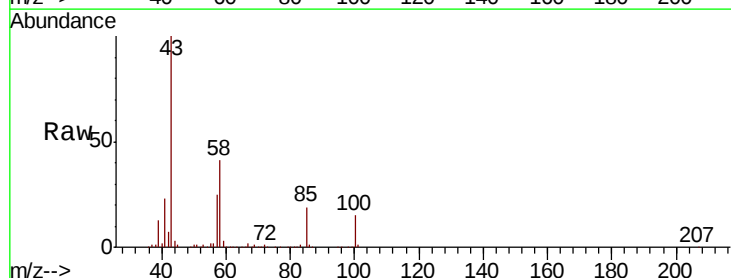
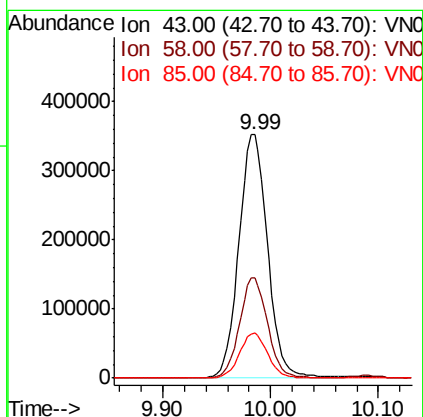
Manual Integrations
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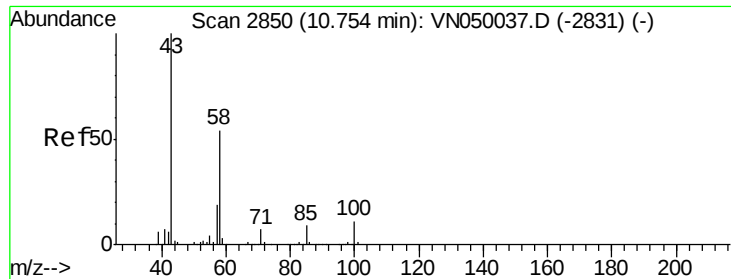
MMDadoda
8/21/2018 2:12:50 PM



#58
4-Methyl-2-Pentanone
Concen: 100.72 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	652394		
58	40.2	31.2	46.8	
85	18.2	14.4	21.6	





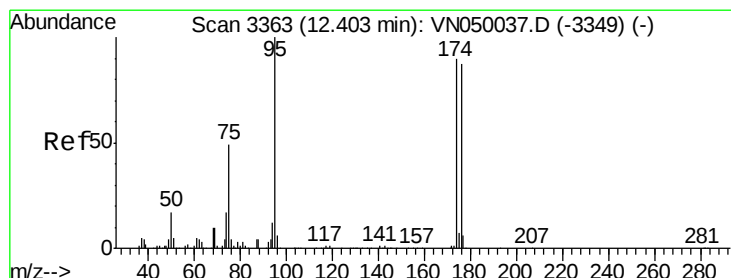
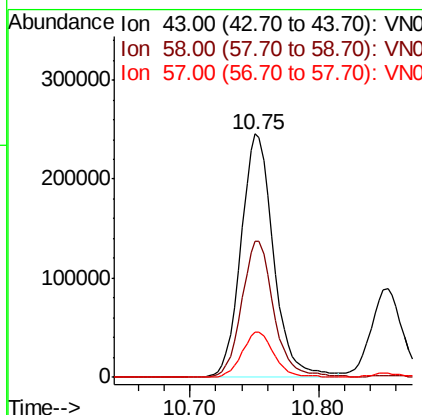
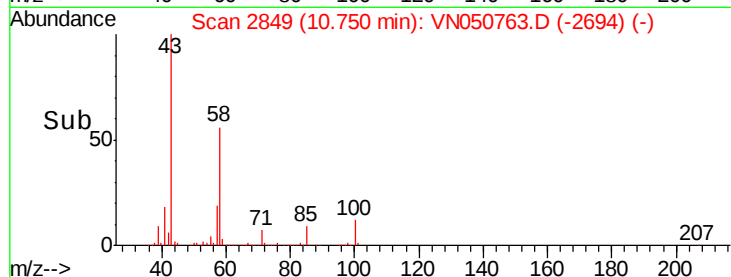
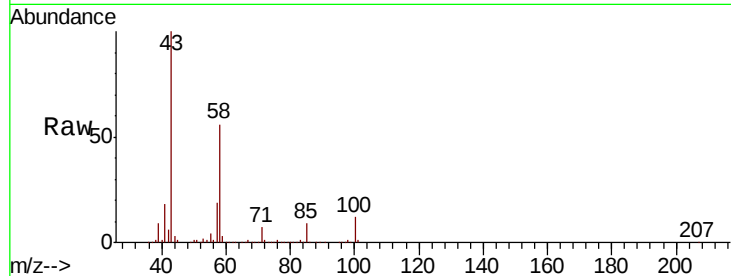
#59
2-Hexanone
Concen: 97.15 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	43.8	65.8
57	18.5	15.1	22.7

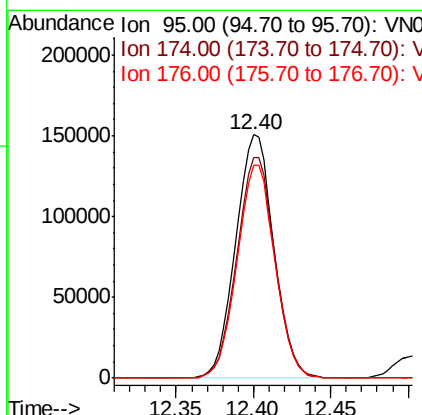
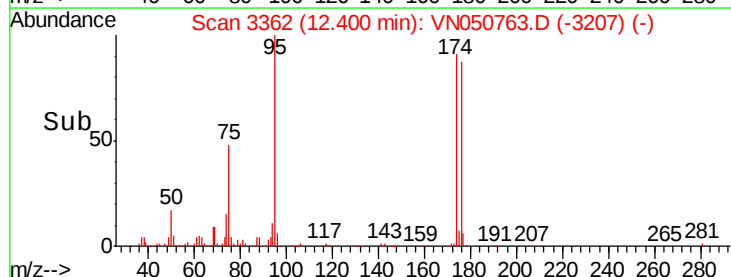
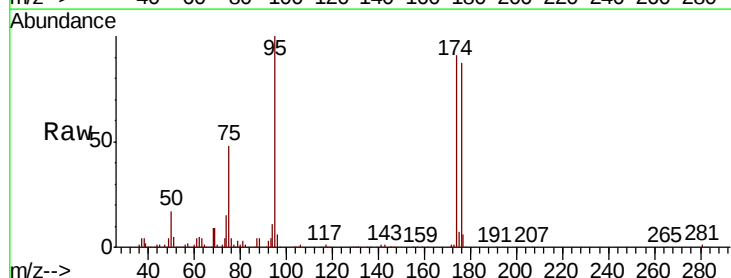
Manual Integrations
APPROVED

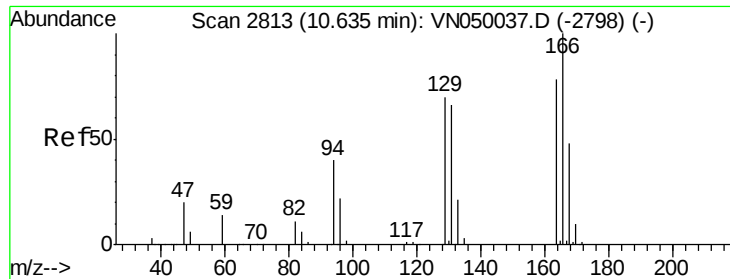
MMDadoda
8/21/2018 2:12:50 PM



#60
4-Bromofluorobenzene
Concen: 30.07 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	72.3	108.5
176	87.1	70.0	105.0





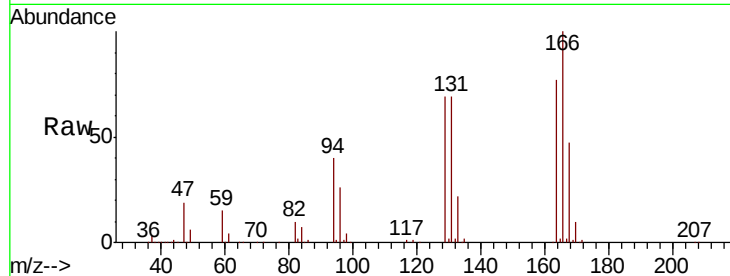
#61
Tetrachloroethene
Concen: 18.68 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.3	100.0	150.0
129	90.0	69.3	103.9
131	89.5	68.8	103.2

Manual Integrations
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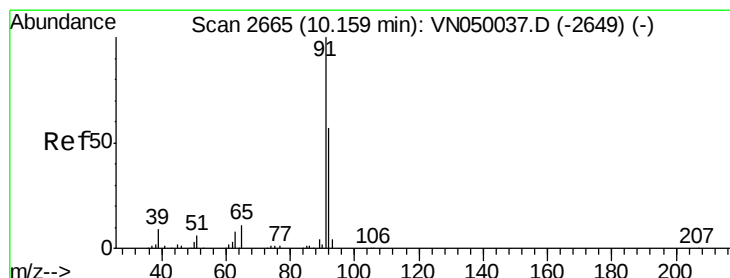
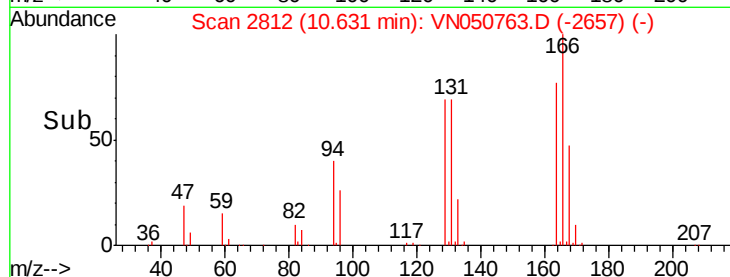
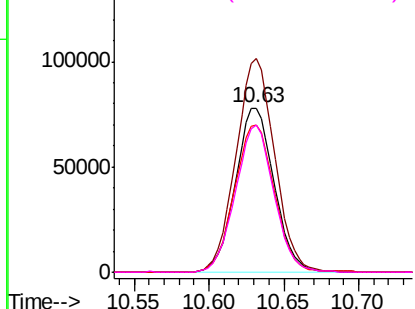
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

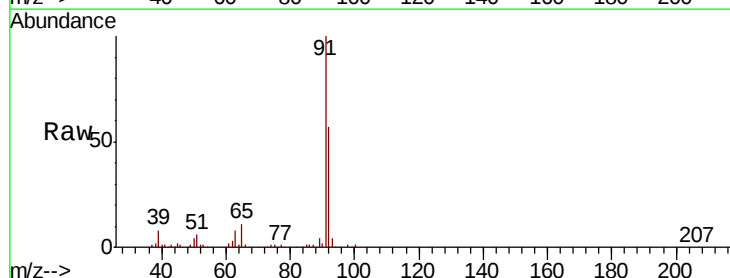
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 19.87 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

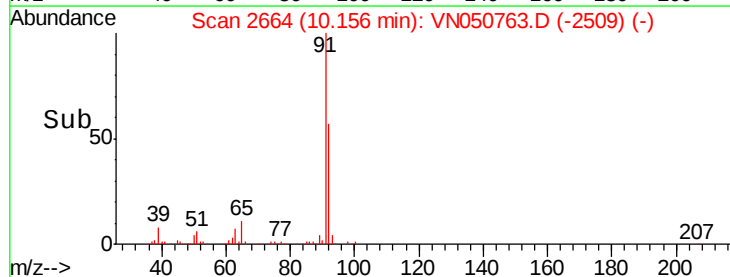
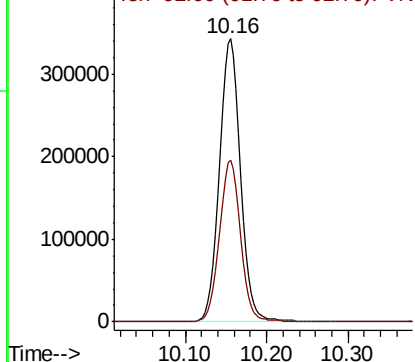
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	45.7	68.5

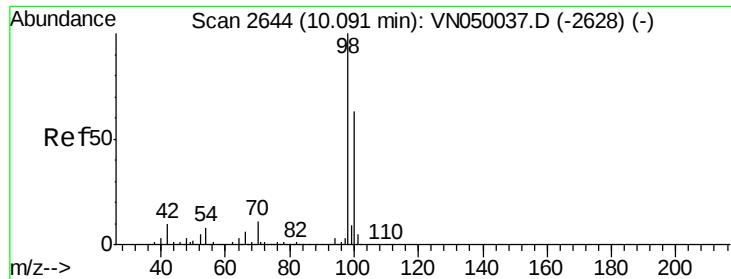


Abundance

Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 29.96 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 98 Resp: 796622

Ion Ratio Lower Upper

98 100

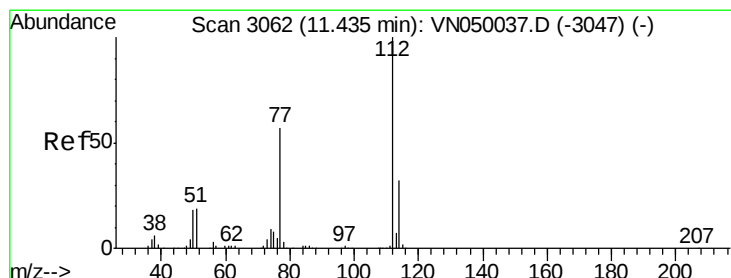
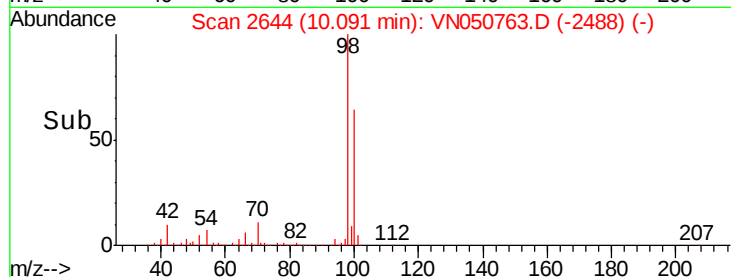
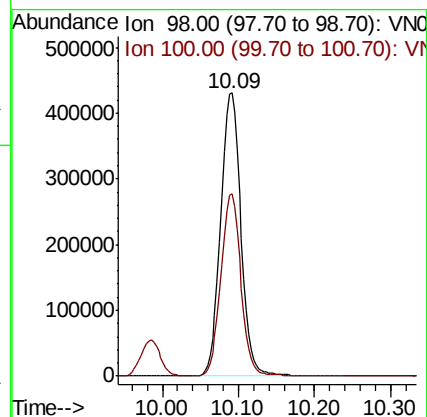
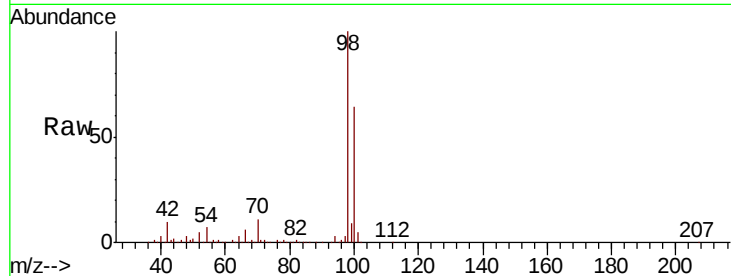
100 63.7 51.2 76.8

Manual Integrations

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8/21/2018 2:12:50 PM



#64

Chlorobenzene

Concen: 20.33 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050763.D

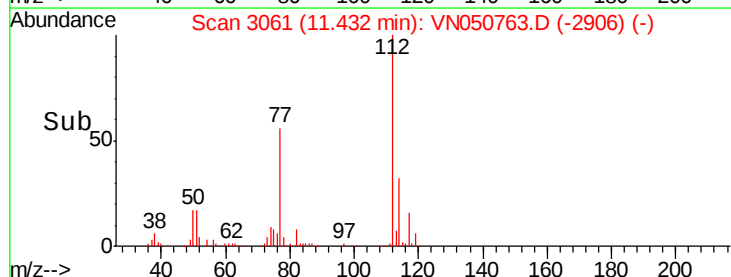
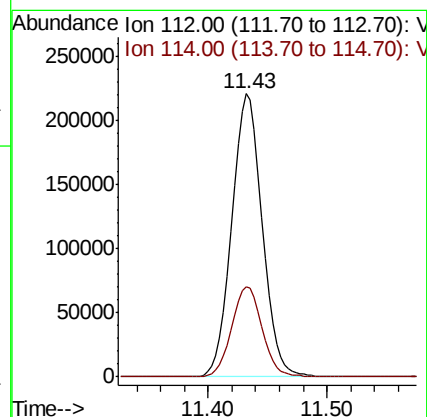
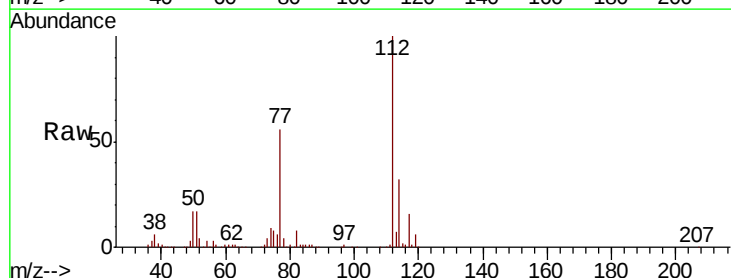
Acq: 20 Aug 2018 10:16

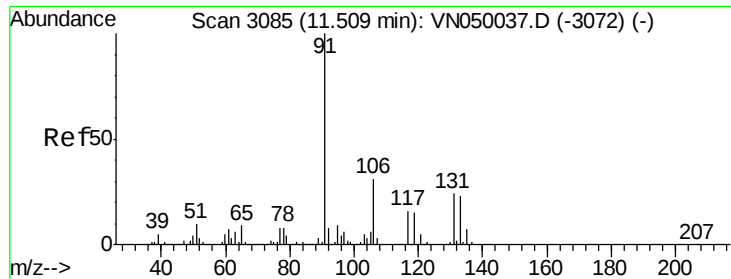
Tgt Ion: 112 Resp: 391434

Ion Ratio Lower Upper

112 100

114 32.0 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.62 ug/l

RT: 11.51 min Scan# 3084

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

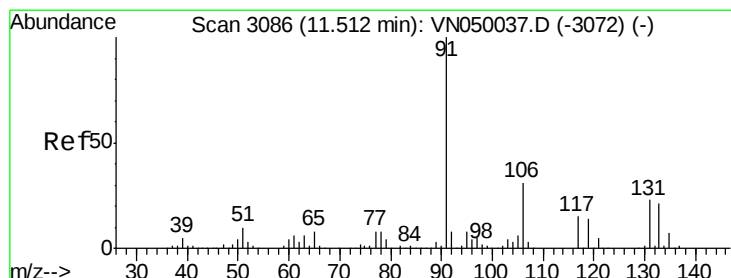
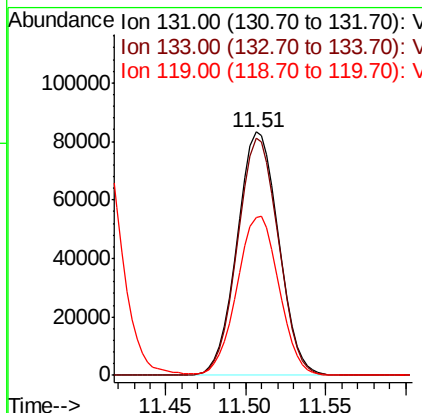
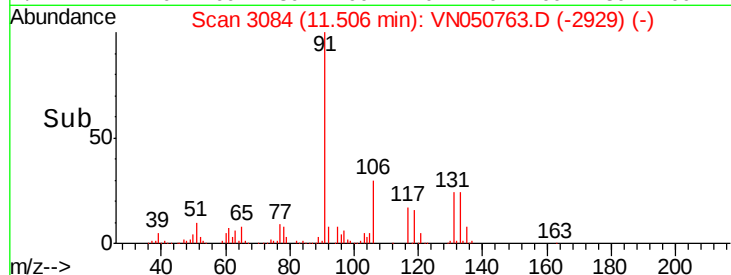
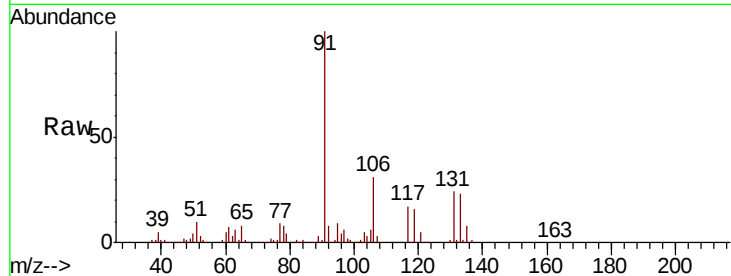
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	147347
Ion Ratio	Lower	Upper	
131	100		
133	96.2	0.0	190.0
119	66.3	0.0	131.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.69 ug/l

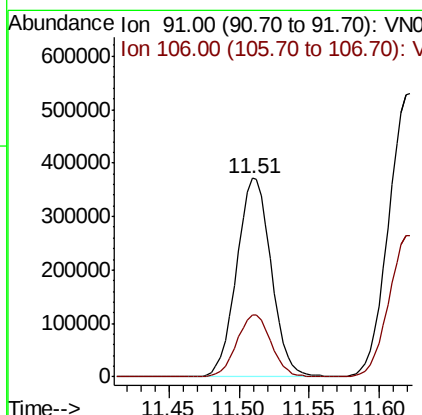
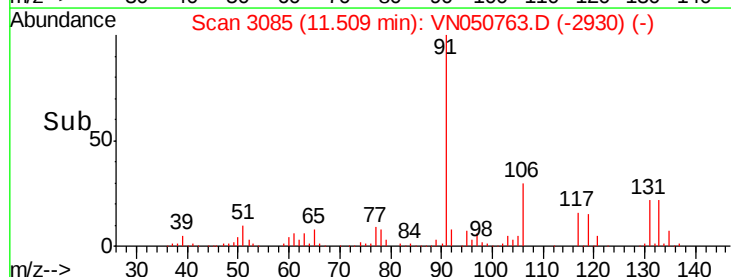
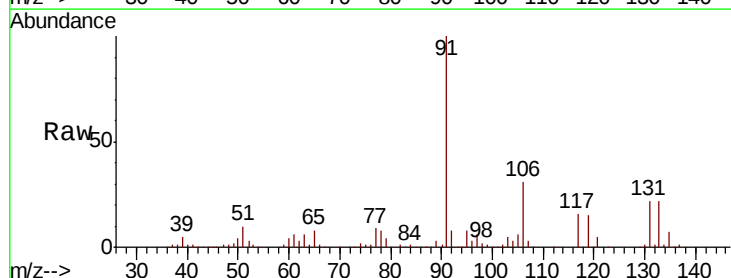
RT: 11.51 min Scan# 3085

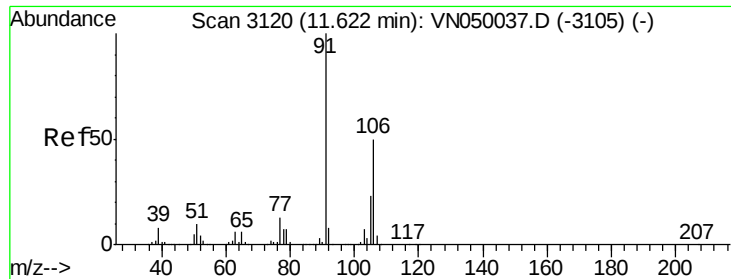
Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	91	Resp:	639084
Ion Ratio	Lower	Upper	
91	100		
106	30.9	25.1	37.7





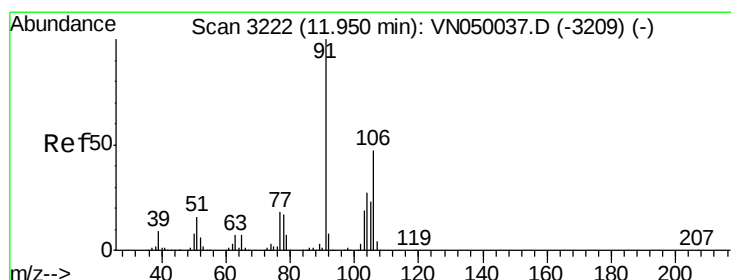
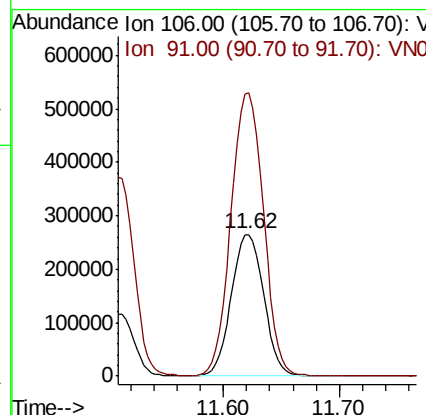
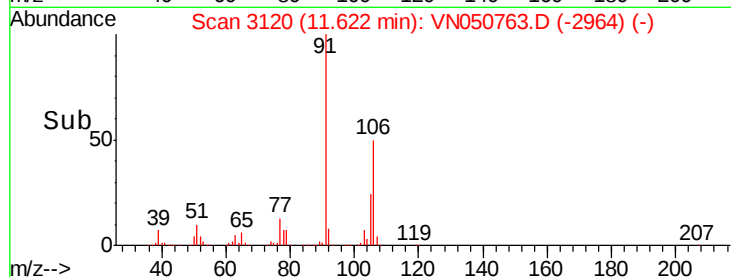
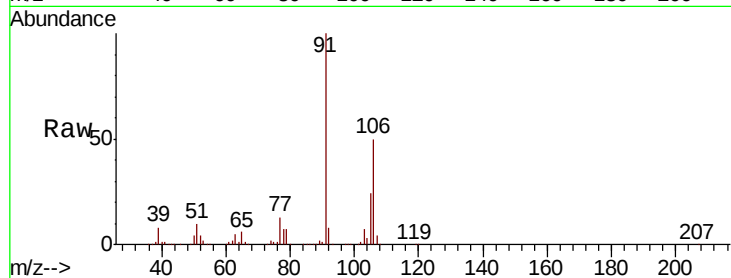
#67
m/p-Xvlenes
Concen: 41.14 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		513844		
91	201.3	162.5	243.7		

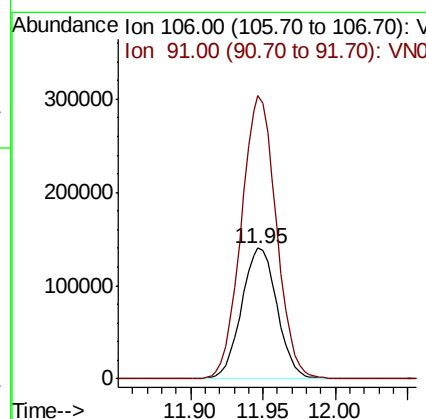
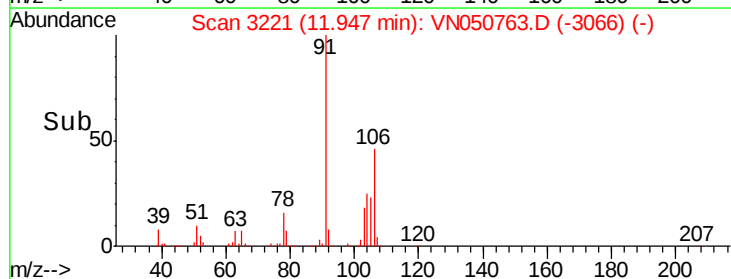
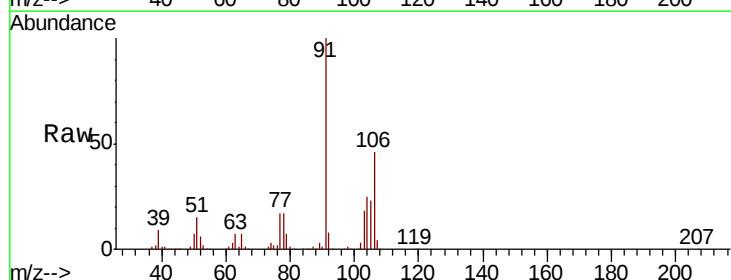
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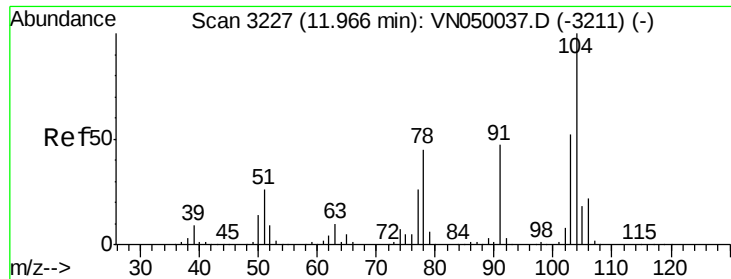
MMDadoda
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#68
o-Xylene
Concen: 20.13 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		239212		
91	213.0	106.8	320.4		





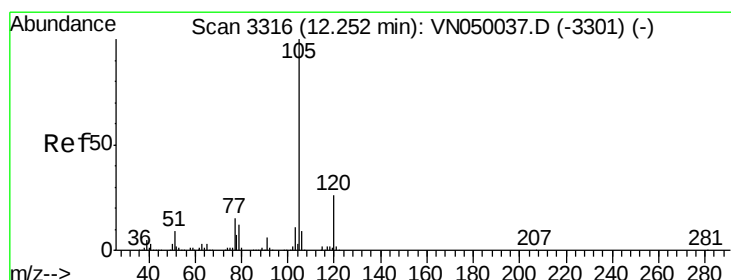
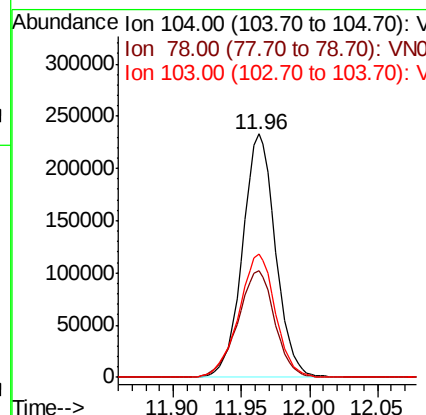
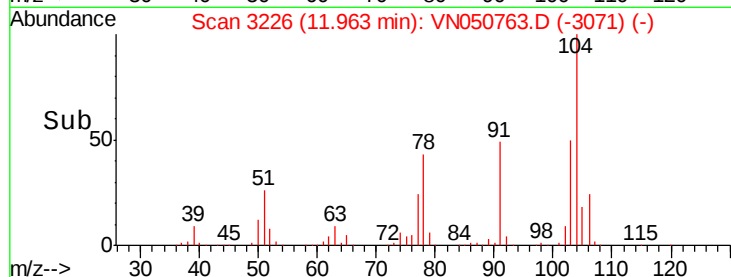
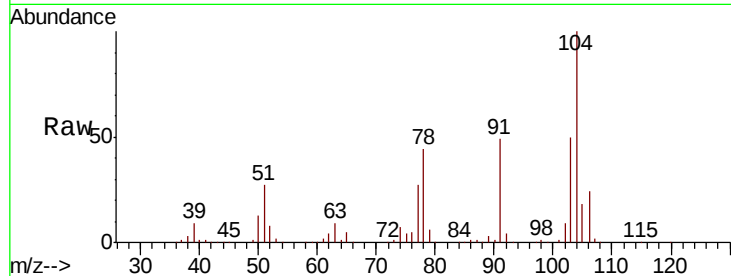
#69
Stvrene
Concen: 20.51 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.9	39.3	58.9
103	55.8	44.5	66.7

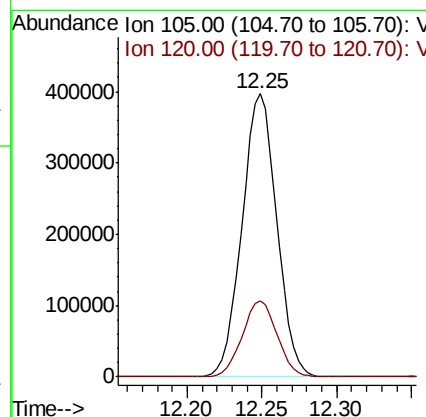
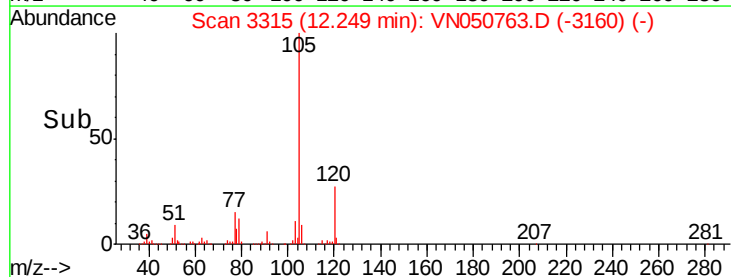
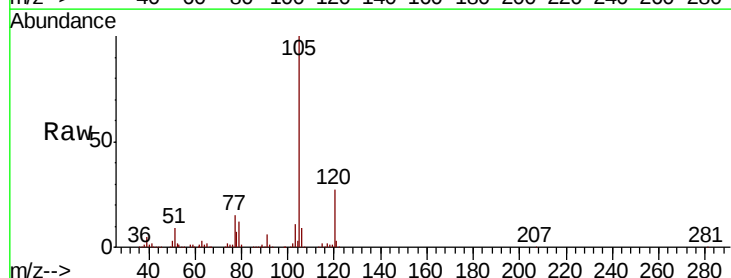
Manual Integrations
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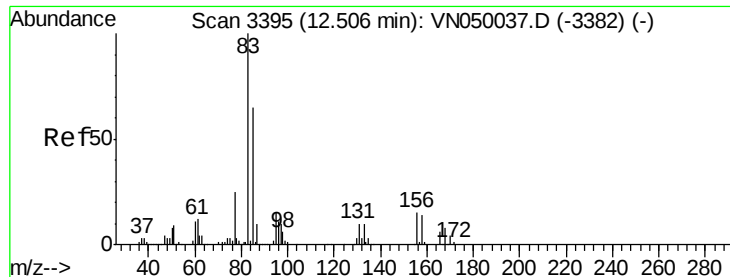
MMDadoda
8/21/2018 2:12:50 PM



#70
Isopropylbenzene
Concen: 20.24 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.9	35.1





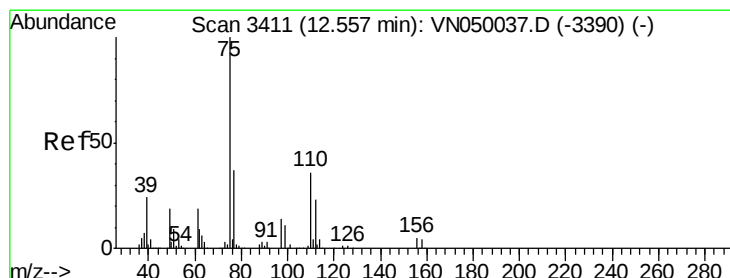
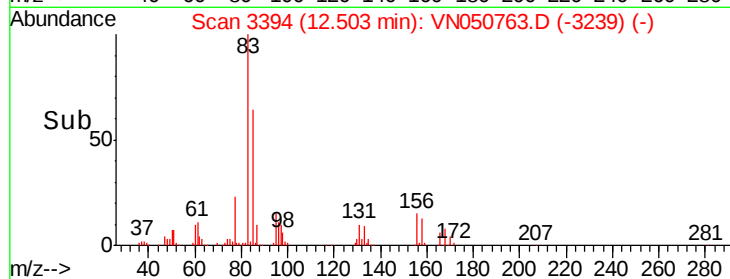
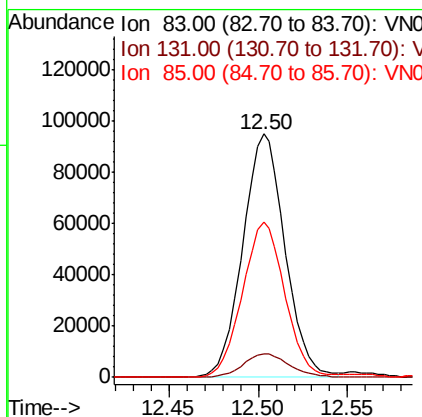
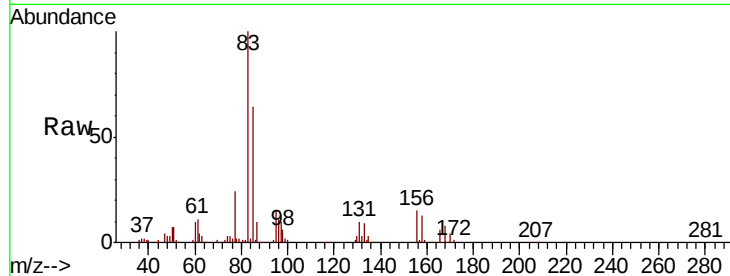
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.13 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	63.8	31.7	95.1

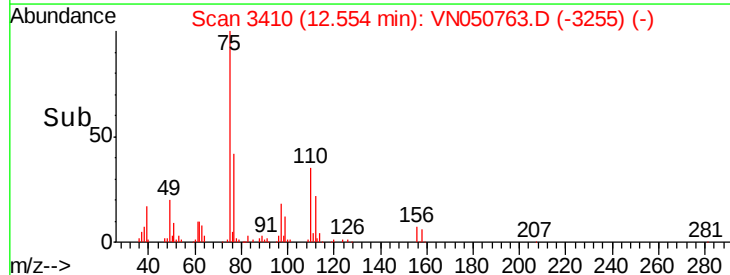
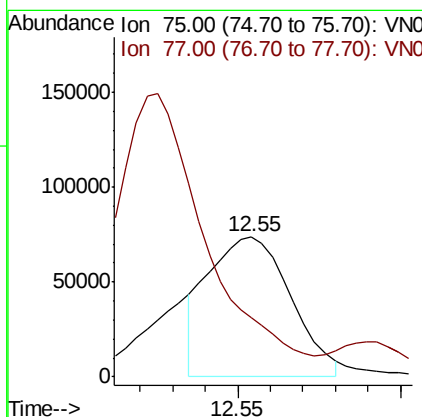
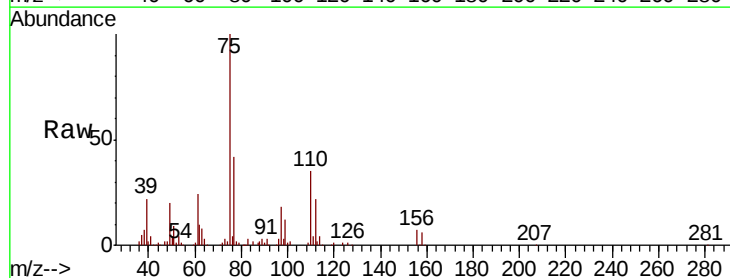
Manual Integrations
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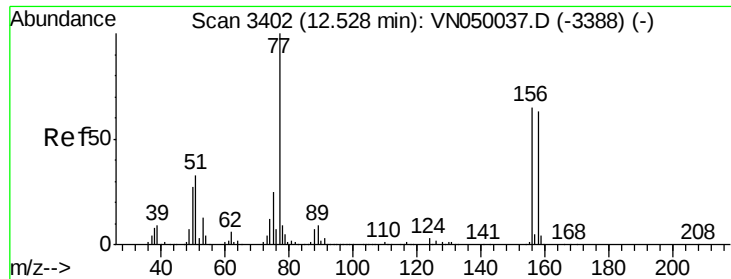
MMDadoda
 8/21/2018 2:12:50 PM



#72
 1,2,3-Trichloropropane
 Concen: 17.48 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	228.7	0.0	454.4





#73

Bromobenzene

Concen: 19.90 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

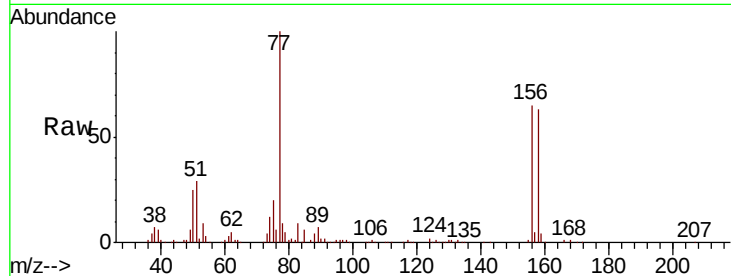
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	167813
Ion Ratio	Lower	Upper	
156	100		
77	176.8	0.0	359.8
158	96.0	0.0	192.8

Manual Integrations
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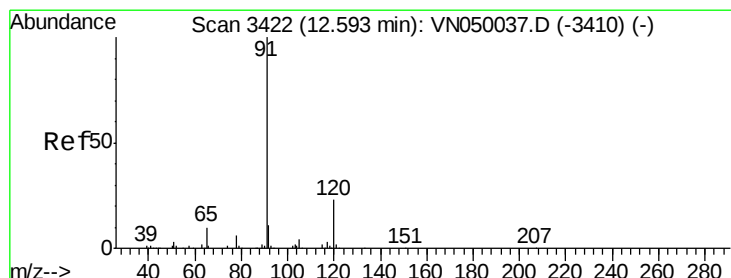
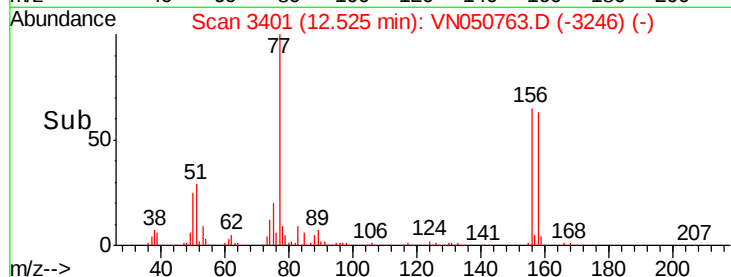
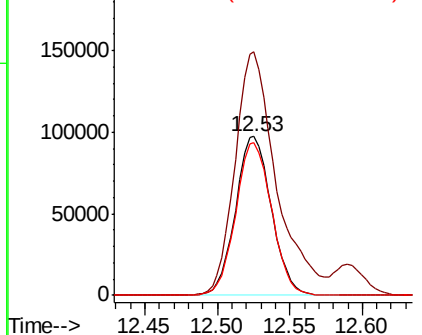
MMDadoda
8/21/2018 2:12:50 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.26 ug/l

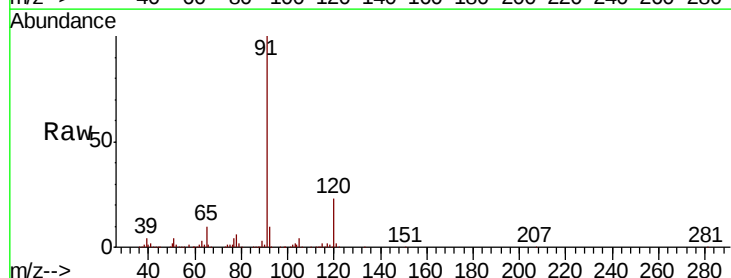
RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050763.D

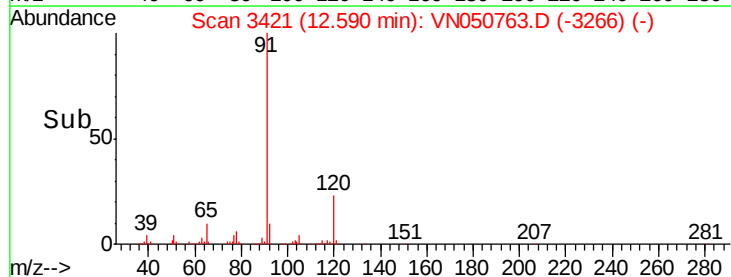
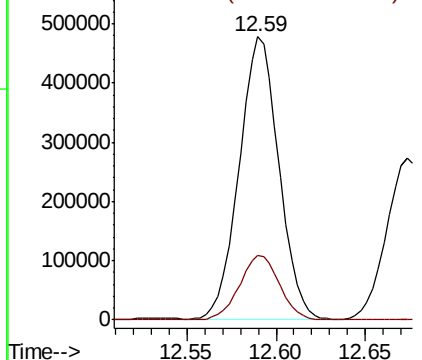
Acq: 20 Aug 2018 10:16

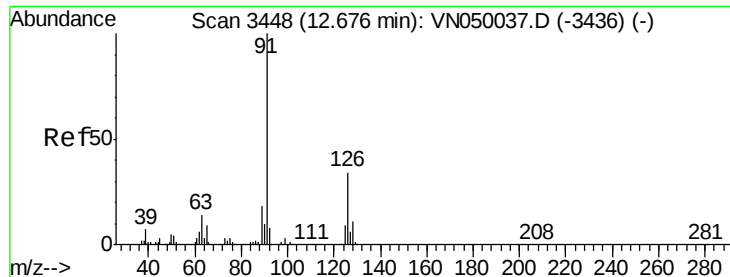
Tgt Ion:	91	Resp:	746865
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	46.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.40 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 451672

Ion Ratio Lower Upper

91 100

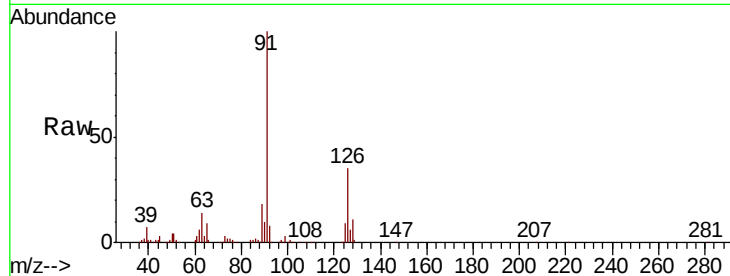
126 34.9 0.0 68.6

Manual Integrations

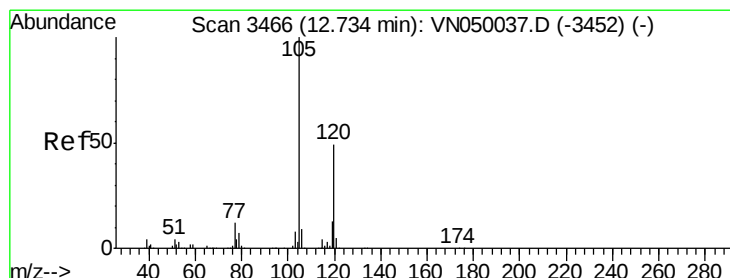
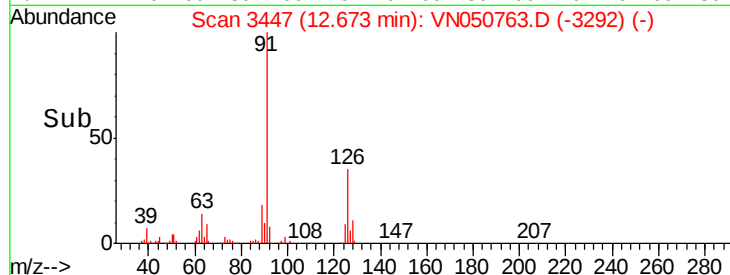
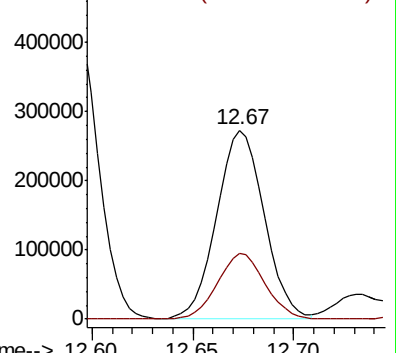
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Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.64 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050763.D

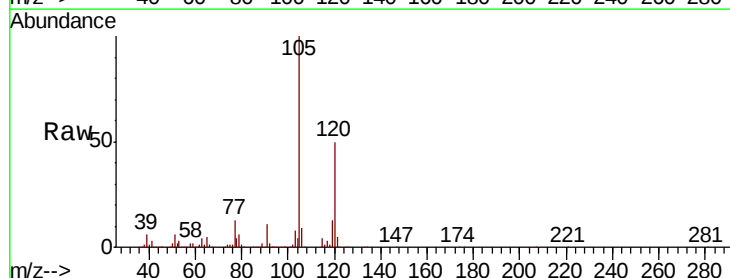
Acq: 20 Aug 2018 10:16

Tgt Ion: 105 Resp: 536671

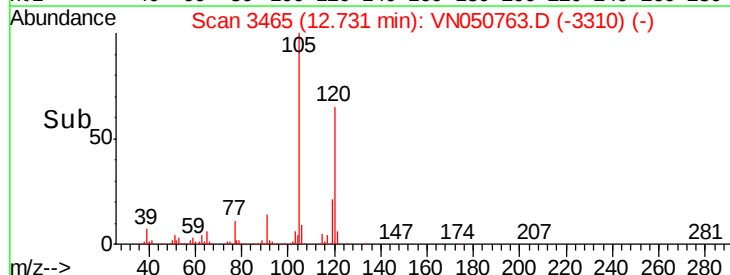
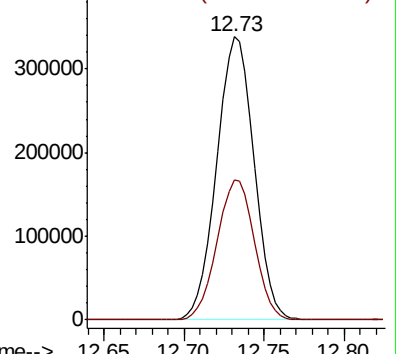
Ion Ratio Lower Upper

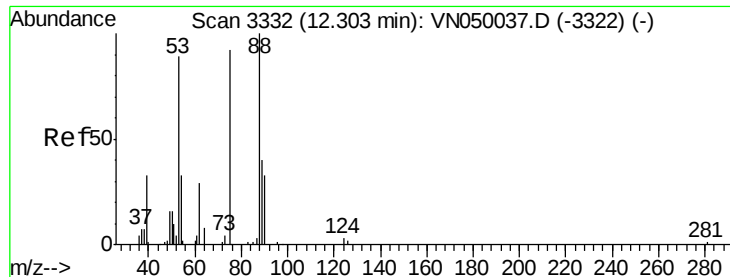
105 100

120 49.8 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D (-3452) (-)





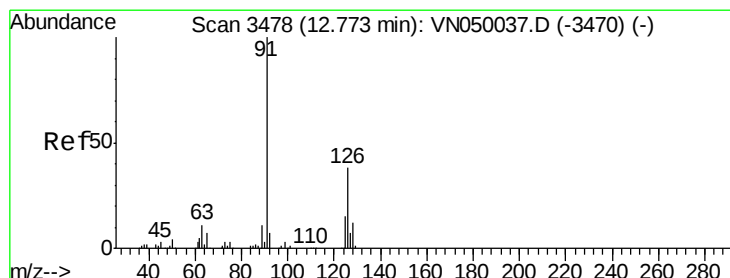
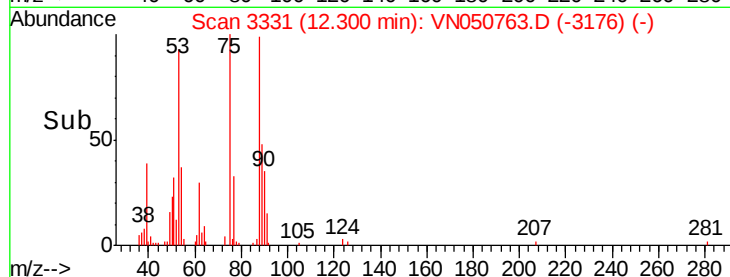
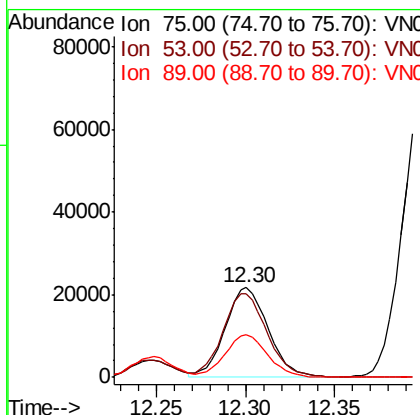
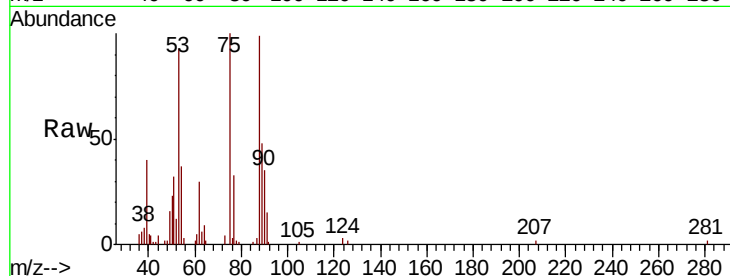
#77
t-1,4-Dichloro-2-butene
Concen: 15.10 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.1	44.6	134.0
89	48.5	20.7	62.1

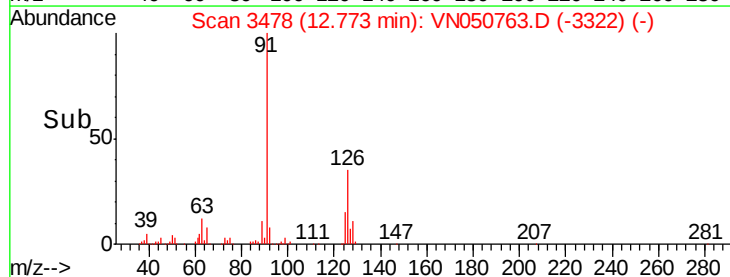
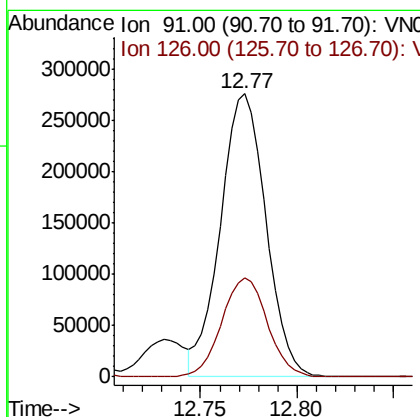
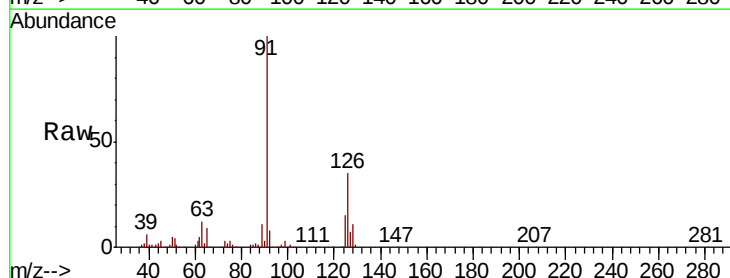
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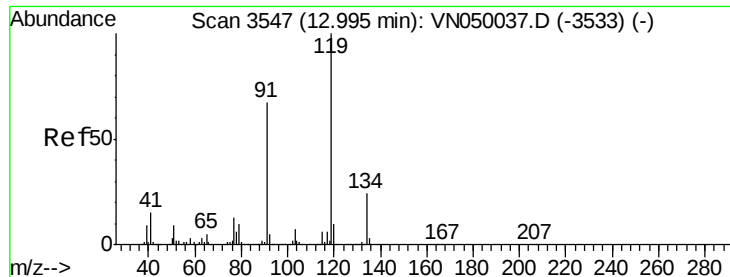
MMDadoda
8/21/2018 2:12:50 PM



#78
4-Chlorotoluene
Concen: 20.62 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	0.0	68.4





#79

tert-butylbenzene

Concen: 20.23 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

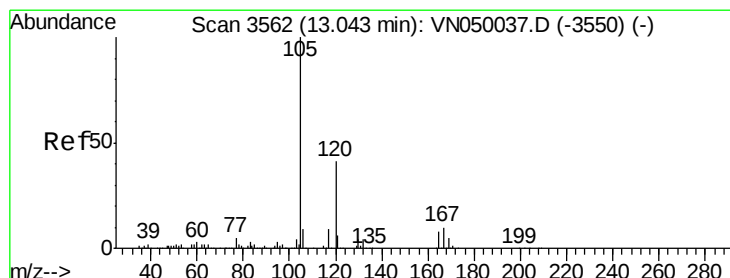
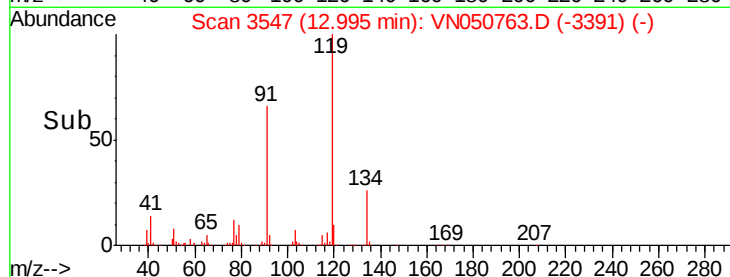
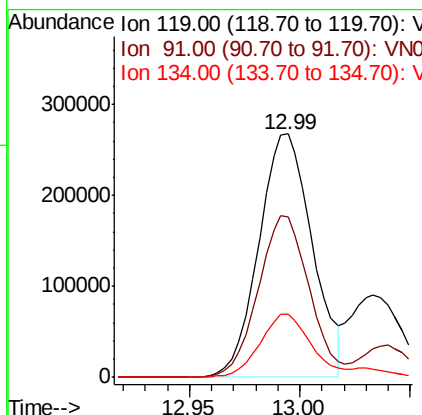
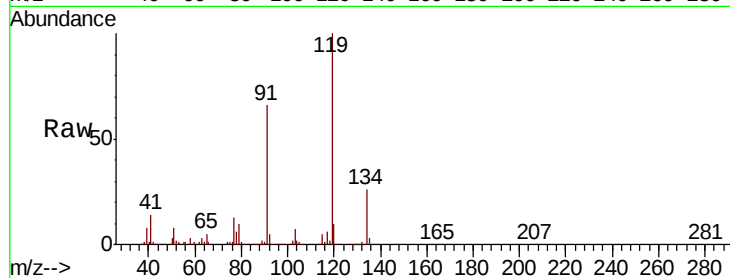
ClientSampled :

VSTDCCC020

Tot Ion:	119	Resp:	449638
Ion Ratio	Lower	Upper	
119	100		
91	63.3	0.0	126.8
134	24.8	0.0	47.4

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 20.73 ug/l

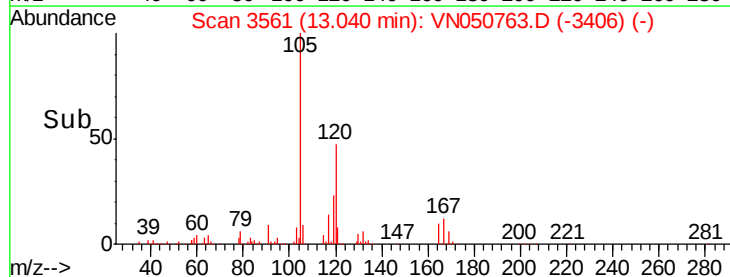
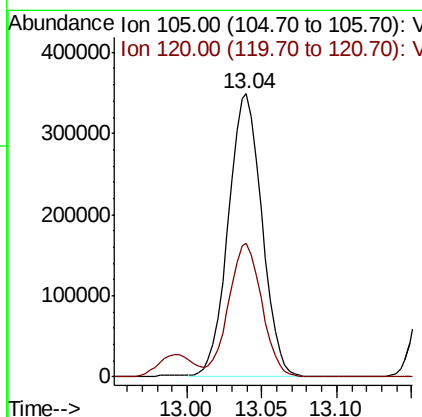
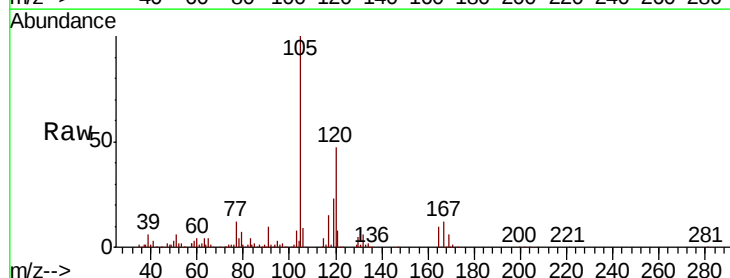
RT: 13.04 min Scan# 3561

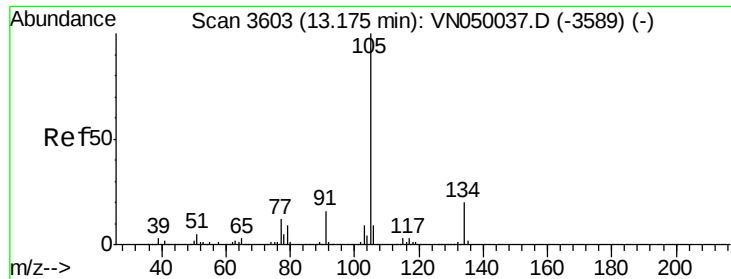
Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	105	Resp:	545965
Ion Ratio	Lower	Upper	
105	100		
120	46.7	0.0	90.6





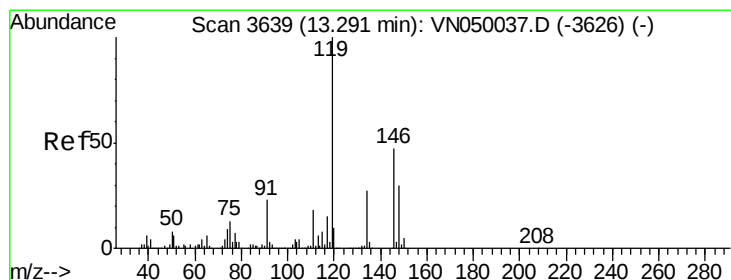
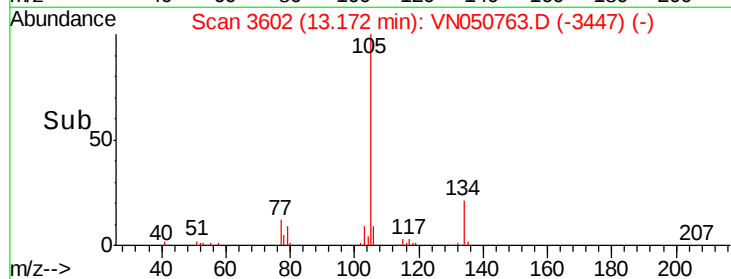
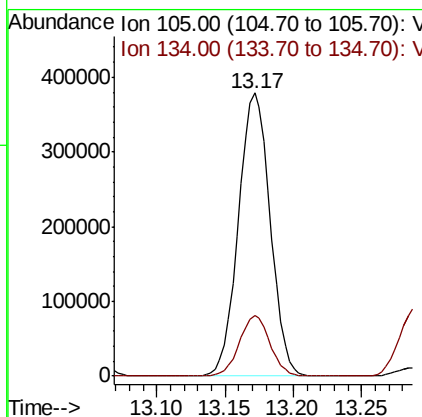
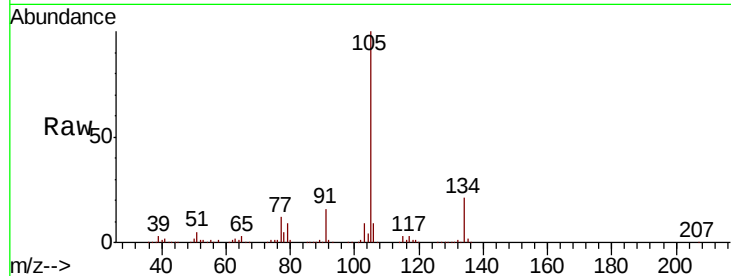
#81
 sec-Butylbenzene
 Concen: 20.22 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	0.0	40.6

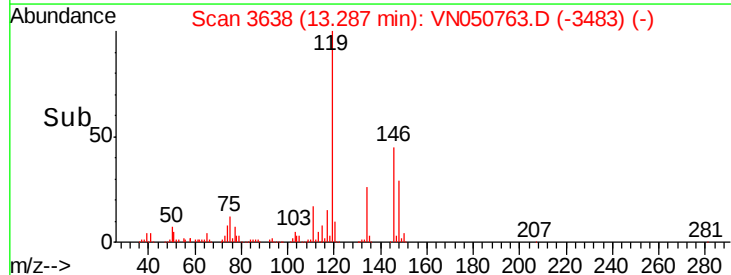
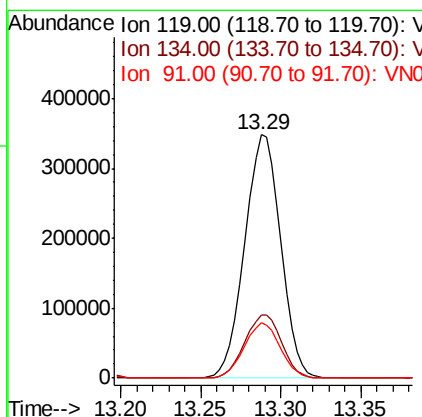
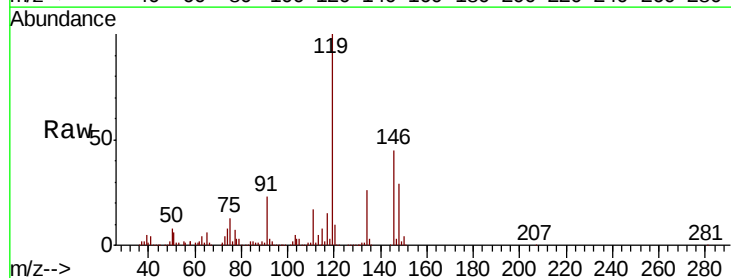
Manual Integrations
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 8/21/2018 2:12:50 PM



#82
 p-Isopropyltoluene
 Concen: 20.70 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	52.2
91	22.6	0.0	45.6





#83

1,3-Dichlorobenzene

Concen: 19.89 ug/l

RT: 13.28 min Scan# 3636

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

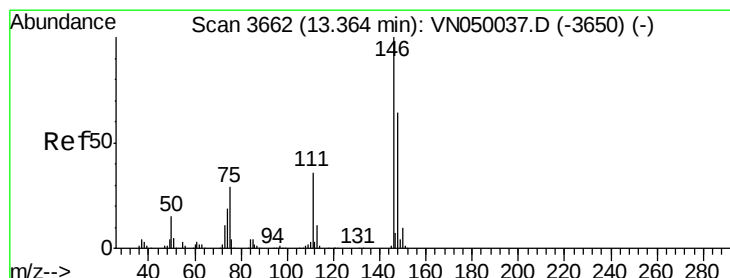
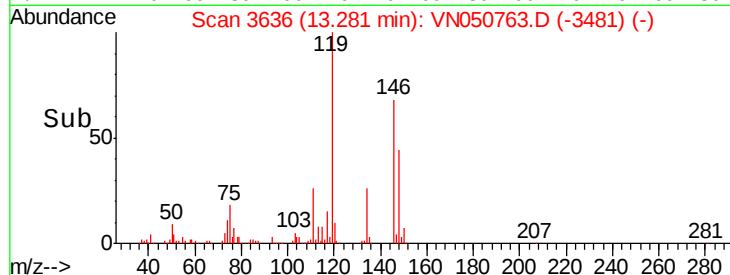
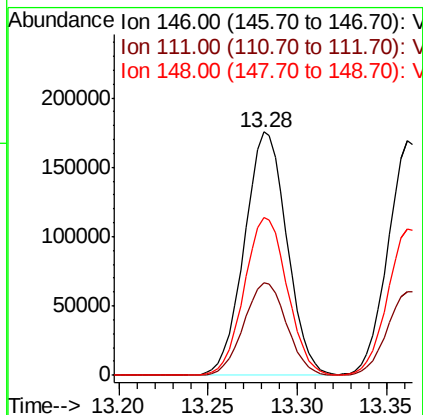
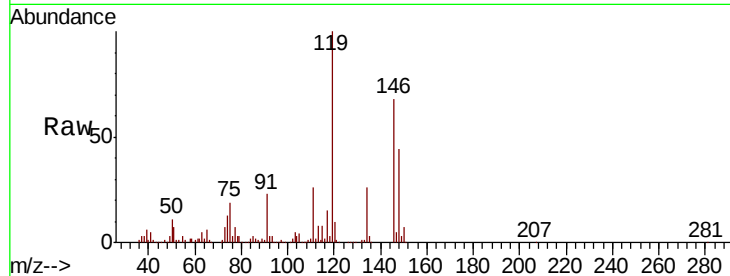
ClientSampled :

VSTDCCC020

Tot Ion:	146	Resp:	292049
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.1	57.1
148	65.7	31.9	95.9

Manual Integrations
APPROVED

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#84

1,4-Dichlorobenzene

Concen: 20.00 ug/l

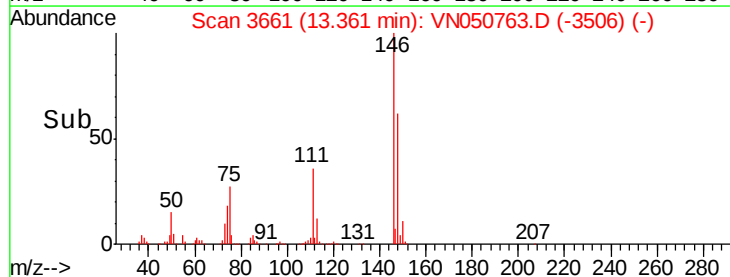
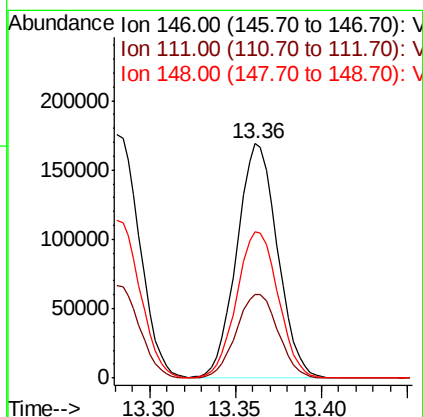
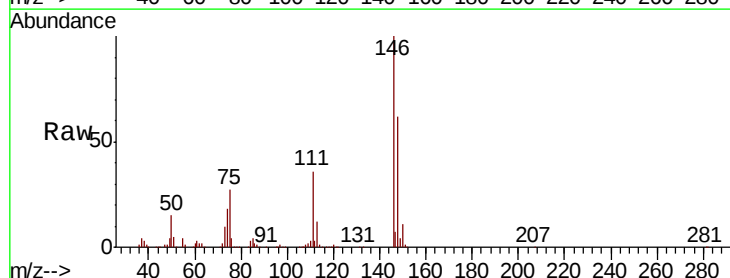
RT: 13.36 min Scan# 3661

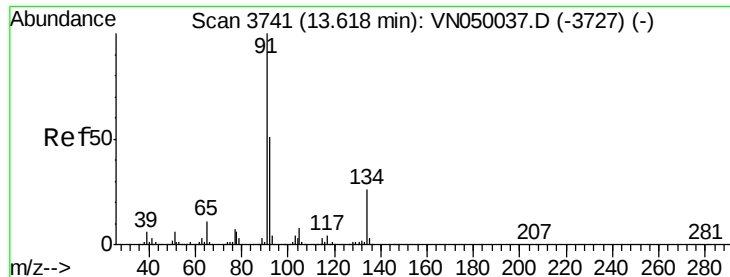
Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	146	Resp:	277402
Ion Ratio	Lower	Upper	
146	100		
111	36.6	17.9	53.8
148	63.8	32.4	97.0





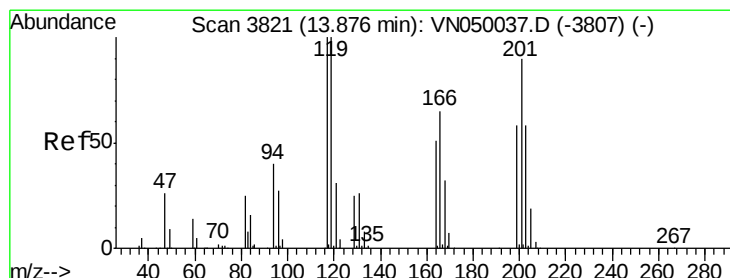
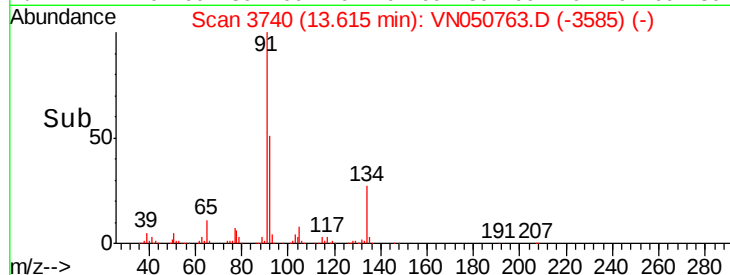
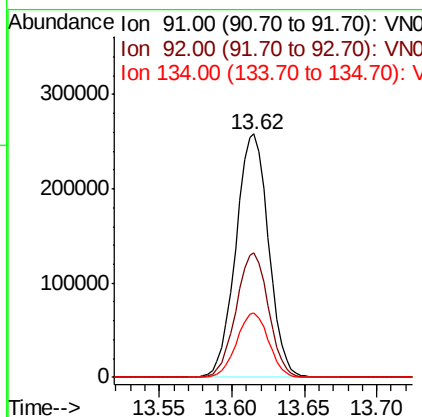
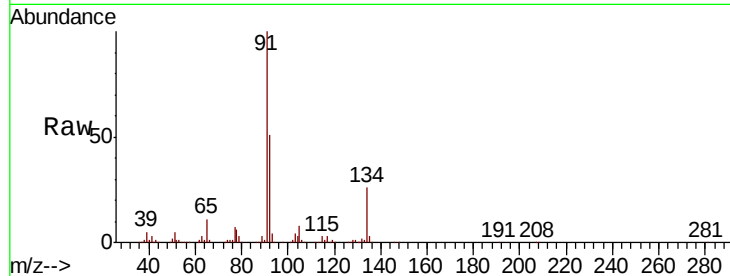
#85
n-Butylbenzene
Concen: 19.35 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	0.0	102.8
134	26.0	0.0	51.0

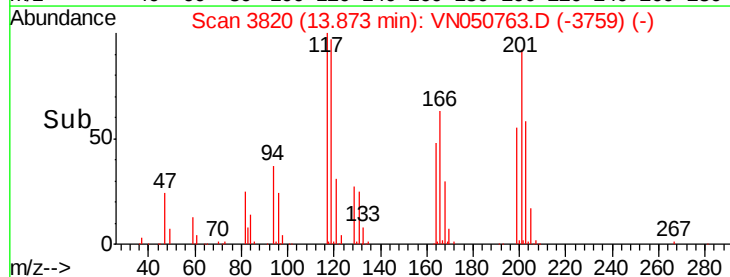
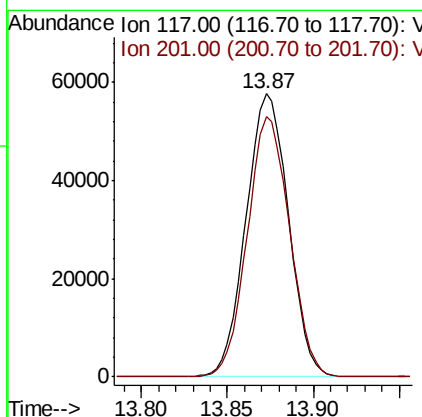
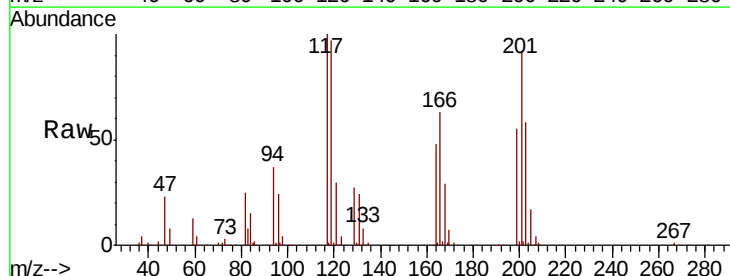
Manual Integrations
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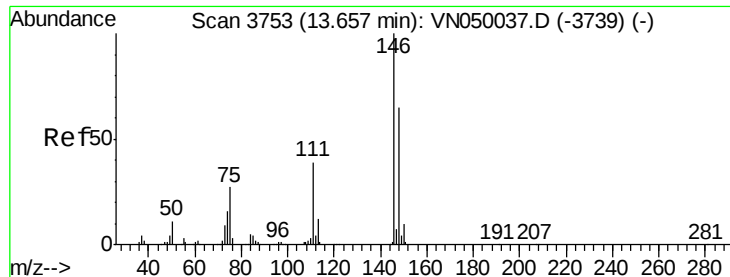
MMDadoda
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#86
Hexachloroethane
Concen: 19.18 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.6	46.6	139.7





#87

1,2-Dichlorobenzene

Concen: 19.91 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Instrument :

MSVOA_N

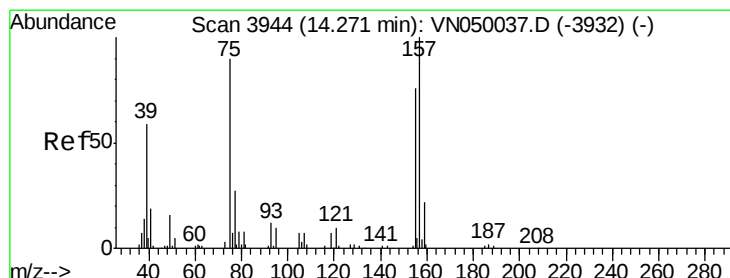
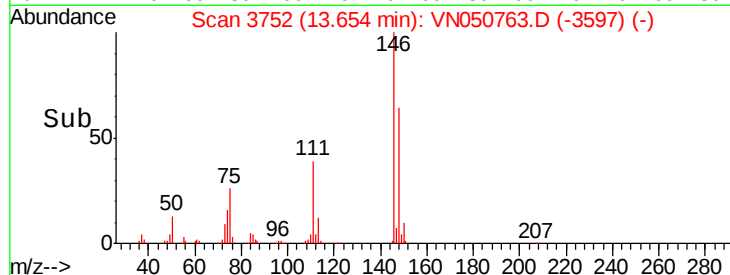
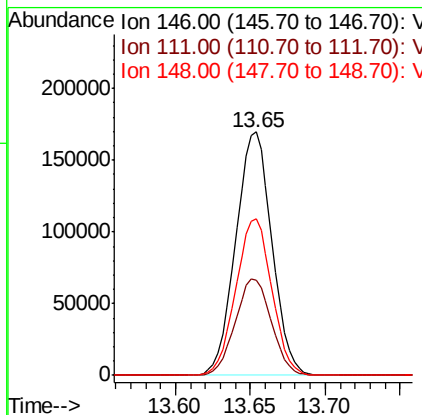
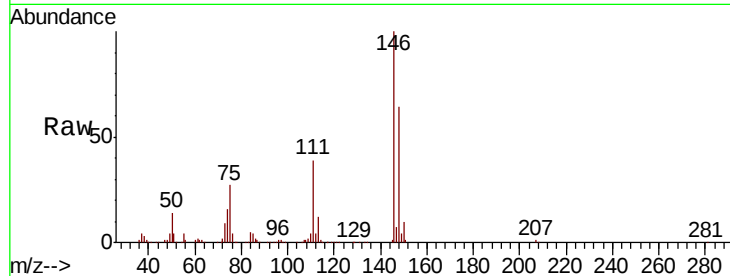
ClientSampled :

VSTDCCC020

Tot Ion:	146	Resp:	285750
Ion Ratio		Lower	Upper
146	100		
111	39.5	19.8	59.3
148	63.9	31.8	95.3

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 15.23 ug/l

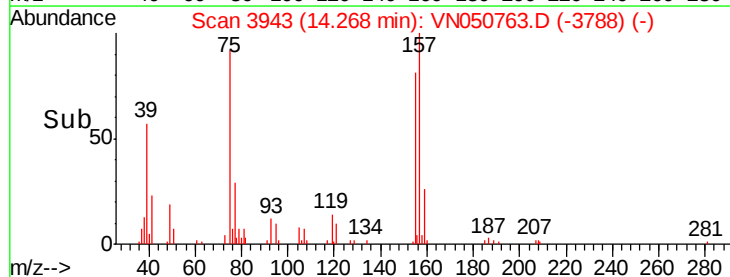
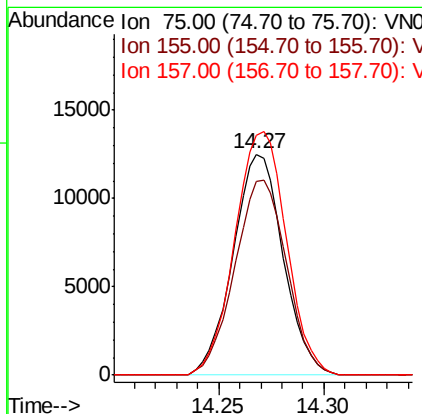
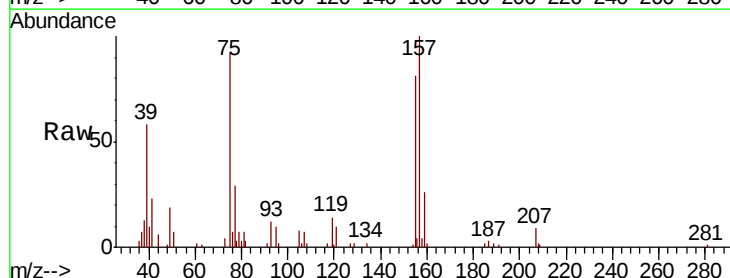
RT: 14.27 min Scan# 3943

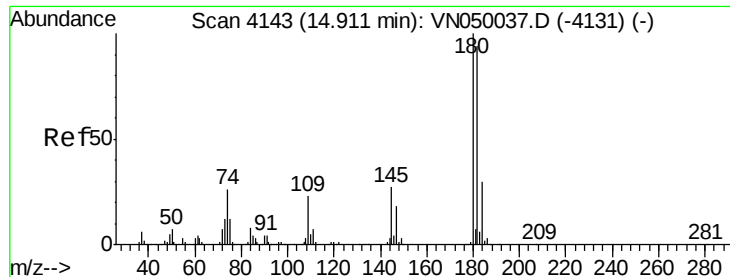
Delta R.T. -0.00 min

Lab File: VN050763.D

Acq: 20 Aug 2018 10:16

Tgt Ion:	75	Resp:	20621
Ion Ratio		Lower	Upper
75	100		
155	91.5	73.0	109.6
157	113.5	94.9	142.3





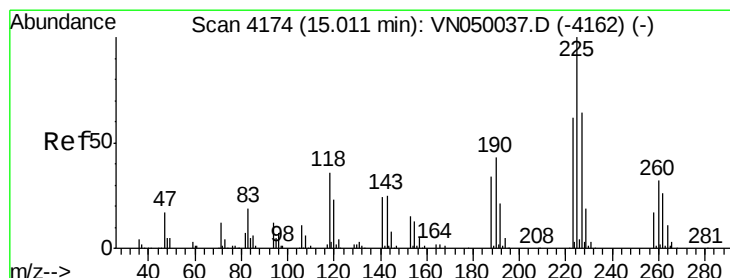
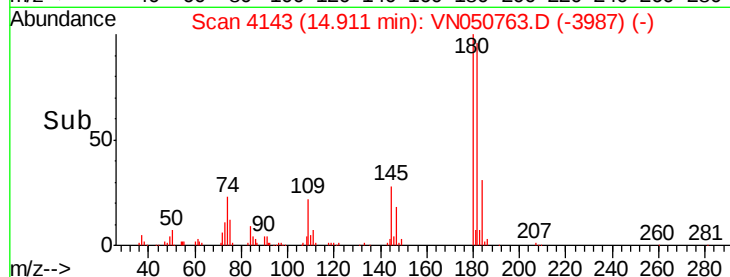
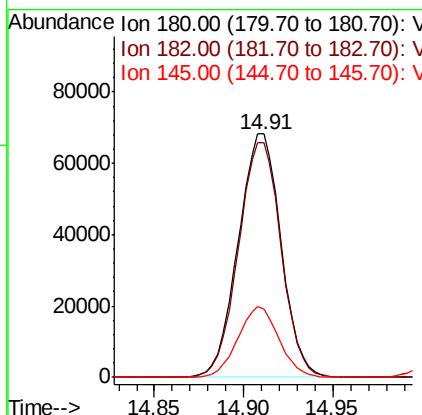
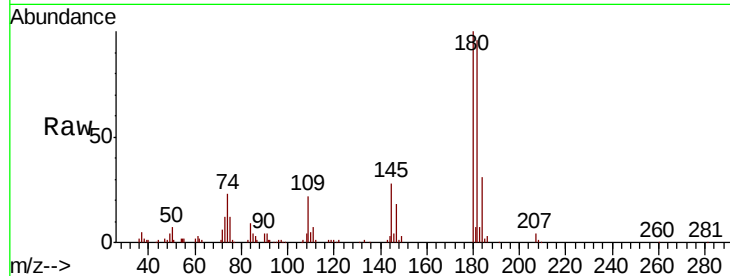
#89
 1,2,4-Trichlorobenzene
 Concen: 16.62 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	113898		
182	96.0	76.7	115.1	
145	27.7	23.4	35.0	

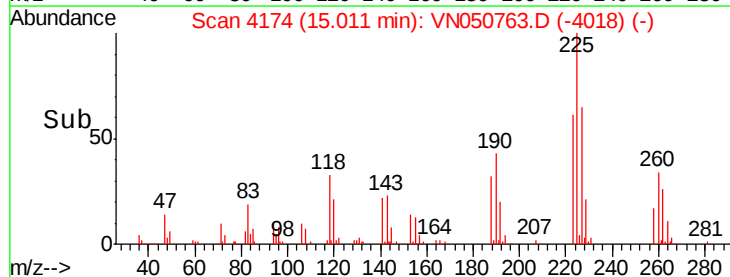
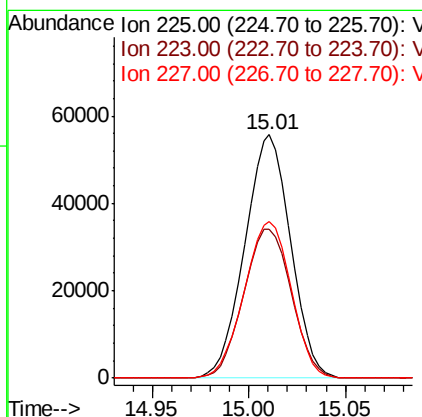
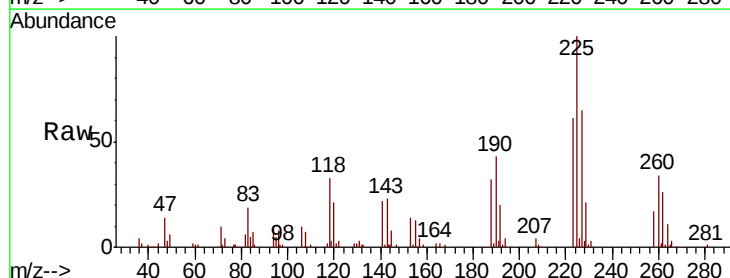
Manual Integrations
 APPROVED

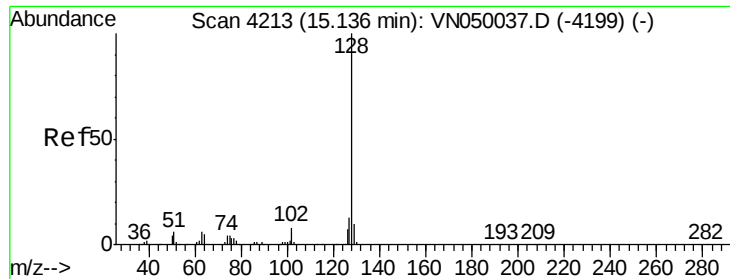
MMDadoda
 8/21/2018 2:12:50 PM



#90
 Hexachlorobutadiene
 Concen: 20.32 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050763.D
 Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91811		
223	64.0	0.0	124.4	
227	65.8	0.0	133.0	





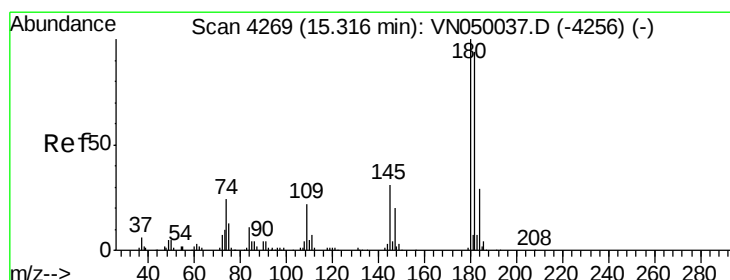
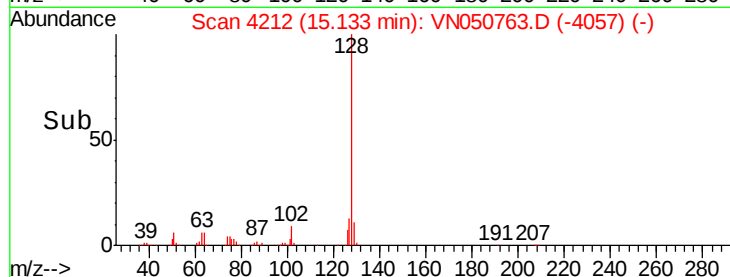
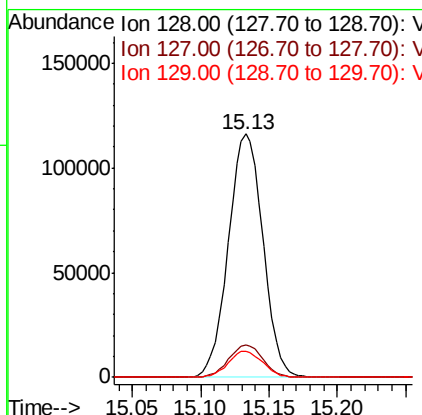
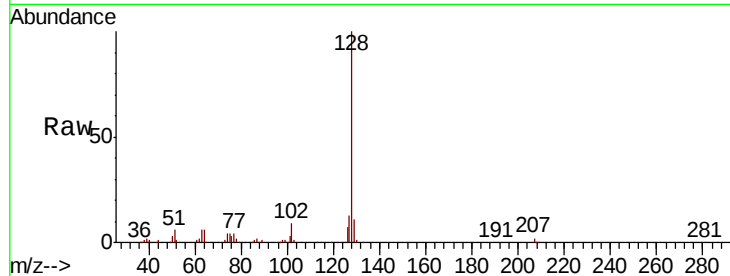
#91
Naphthalene
Concen: 17.17 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.6	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
8/21/2018 2:12:50 PM



#92
1,2,3-Trichlorobenzene
Concen: 16.97 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. -0.00 min
Lab File: VN050763.D
Acq: 20 Aug 2018 10:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	0.0	188.8
145	29.7	0.0	60.8

