

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
 Data File : VN051695.D
 Acq On : 5 Oct 2018 19:07
 Operator : MD\SY
 Sample : VN1006MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 12:50:22 PM

Quant Time: Oct 06 01:37:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	482246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	744697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	677762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	331200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	316387	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.59	113	285028	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	10.09	98	1034959	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.40	95	325599	42.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	129544	22.135	ug/l	99
3) Chloromethane	2.06	50	126893	23.057	ug/l	97
4) Vinyl Chloride	2.18	62	191869	22.132	ug/l	99
5) Bromomethane	2.57	94	140731	21.109	ug/l	98
6) Chloroethane	2.70	64	133134	22.849	ug/l	100
7) Trichlorofluoromethane	3.01	101	213681	22.944	ug/l	100
8) Diethyl Ether	3.41	74	56854	22.505	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	103873	21.557	ug/l	97
10) Methyl Iodide	3.95	142	90908	15.940	ug/l	100
11) Tert butyl alcohol	4.79	59	43656	100.831	ug/l	96
12) 1,1-Dichloroethene	3.74	96	96696	21.531	ug/l	98
13) Acrolein	3.61	56	27394	101.275	ug/l	97
14) Allyl chloride	4.32	41	133979	19.560	ug/l	96
15) Acrylonitrile	4.99	53	152749	102.238	ug/l	98
16) Acetone	3.82	43	117295	98.512	ug/l	99
17) Carbon Disulfide	4.05	76	269573	19.747	ug/l	100
18) Methyl Acetate	4.33	43	76539	21.767	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	297750	20.086	ug/l	100
20) Methylene Chloride	4.55	84	107855	20.577	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	104792	19.691	ug/l	95
22) Diisopropyl ether	5.96	45	299895	20.425	ug/l	98
23) Vinyl Acetate	5.90	43	1090244	100.985	ug/l	99
24) 1,1-Dichloroethane	5.85	63	188363	19.947	ug/l	98
25) 2-Butanone	6.84	43	184420	100.249	ug/l	95
26) 2,2-Dichloropropane	6.82	77	178207	18.832	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	121567	19.677	ug/l	99
28) Bromochloromethane	7.19	49	82629	19.765	ug/l	99
29) Tetrahydrofuran	7.22	42	119555	105.903	ug/l	99
30) Chloroform	7.37	83	210747	19.863	ug/l	99
31) Cyclohexane	7.65	56	168129	19.441	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	199358	19.385	ug/l	99
36) 1,1-Dichloropropene	7.79	75	148991	19.141	ug/l	99
37) Ethyl Acetate	6.93	43	85150	20.974	ug/l	97
38) Carbon Tetrachloride	7.78	117	174787	18.713	ug/l	99

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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	186919	19.130	ug/l	99
40) Benzene	8.04	78	449270	19.470	ug/l	100
41) Methacrylonitrile	7.18	41	41509m	19.663	ug/l	
42) 1,2-Dichloroethane	8.13	62	153735	19.769	ug/l	99
43) Isopropyl Acetate	8.17	43	180186	21.288	ug/l	96
44) Trichloroethene	8.84	130	125653	19.178	ug/l	98
45) 1,2-Dichloropropane	9.12	63	111779	19.593	ug/l	98
46) Dibromomethane	9.21	93	77159	19.458	ug/l	99
47) Bromodichloromethane	9.41	83	168639	19.318	ug/l	99
48) Methyl methacrylate	9.20	41	82392	21.303	ug/l	94
49) 1,4-Dioxane	9.20	88	23222	400.419	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	450505	105.037	ug/l	97
52) Toluene	10.16	92	289462	18.861	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	161916	17.975	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	177675	18.575	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	106650	19.507	ug/l	98
56) Ethyl methacrylate	10.43	69	135732	19.632	ug/l	95
57) 1,3-Dichloropropane	10.71	76	170695	19.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	286152	100.002	ug/l	98
59) 2-Hexanone	10.75	43	292398	100.383	ug/l	95
60) Dibromochloromethane	10.90	129	132486	18.517	ug/l	99
61) 1,2-Dibromoethane	11.01	107	107351	18.574	ug/l	99
64) Tetrachloroethene	10.63	164	118976	19.897	ug/l	97
65) Chlorobenzene	11.43	112	318621	18.981	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	125842	18.723	ug/l	98
67) Ethyl Benzene	11.51	91	556884	19.194	ug/l	99
68) m/p-Xylenes	11.62	106	433509	37.343	ug/l	99
69) o-Xylene	11.95	106	217581	19.112	ug/l	100
70) Styrene	11.96	104	326337	17.989	ug/l	100
71) Bromoform	12.13	173	87968	17.596	ug/l #	100
73) Isopropylbenzene	12.25	105	575828	20.396	ug/l	99
74) N-amyl acetate	12.07	43	136290	21.485	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	131070	21.758	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	111052m	24.928	ug/l	
77) Bromobenzene	12.53	156	134042	19.417	ug/l	98
78) n-propylbenzene	12.59	91	617456	20.051	ug/l	98
79) 2-Chlorotoluene	12.67	91	359336	19.800	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	470754	19.786	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	34104	18.928	ug/l	94
82) 4-Chlorotoluene	12.77	91	350975	19.251	ug/l	99
83) tert-Butylbenzene	12.99	119	426059	19.985	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	469280	19.691	ug/l	99
85) sec-Butylbenzene	13.17	105	565772	20.062	ug/l	99
86) p-Isopropyltoluene	13.29	119	493080	19.723	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	230101	19.129	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	225761	19.068	ug/l	98
89) n-Butylbenzene	13.62	91	382020	19.326	ug/l	98
90) Hexachloroethane	13.87	117	95712	19.188	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	230899	19.309	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20318	20.486	ug/l	98

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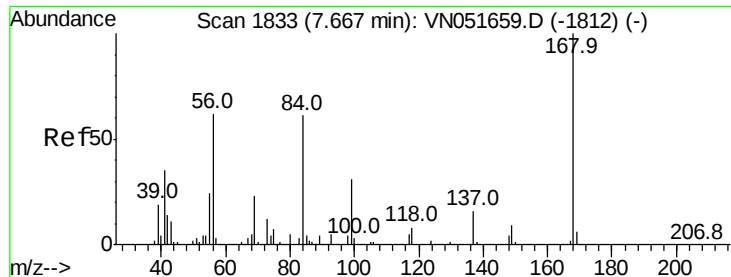
Manual Integrations
APPROVED

MMDadoda
10/8/2018 12:50:22 PM

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QLast Update : Fri Oct 05 02:22:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	90778	17.060	ug/l	99
94) Hexachlorobutadiene	15.01	225	70010	19.392	ug/l	99
95) Naphthalene	15.13	128	190043	16.539	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	96996	18.509	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBS01

Tot Ion:168 Resp: 482246

Ion Ratio Lower Upper

168 100

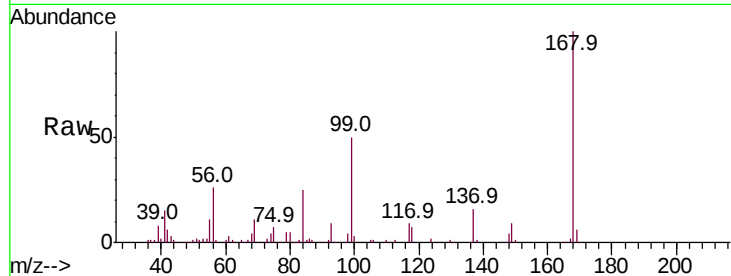
99 50.1 40.4 60.6

Manual Integrations

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10/8/2018 12:50:22 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.67

200000

150000

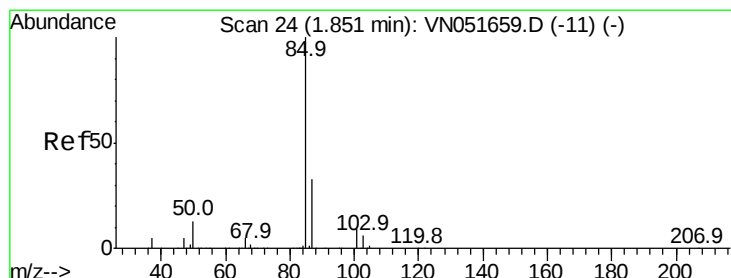
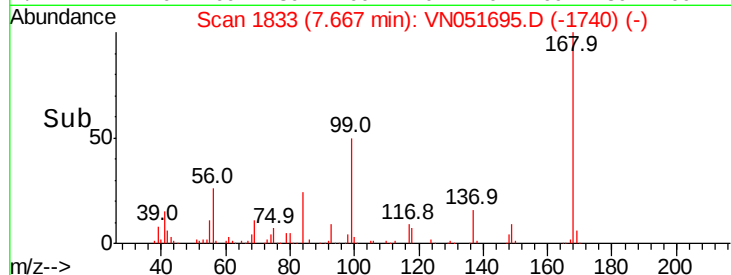
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.135 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051695.D

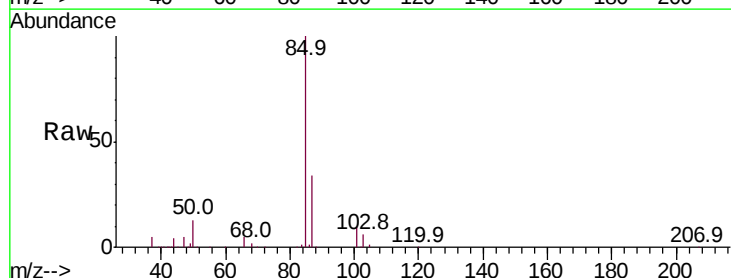
Acq: 5 Oct 2018 19:07

Tgt Ion: 85 Resp: 129544

Ion Ratio Lower Upper

85 100

87 33.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.85

100000

80000

60000

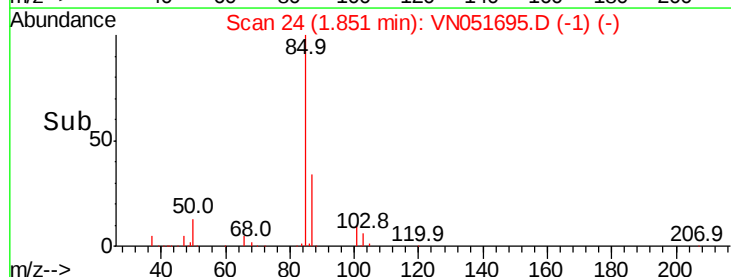
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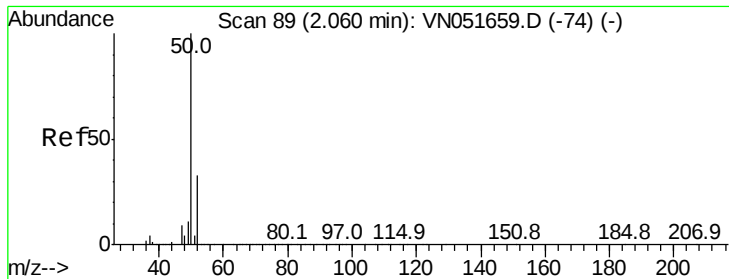
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 23.057 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampled :

VN1006MBS01

Tot Ion: 50 Resp: 126893

Ion Ratio Lower Upper

50 100

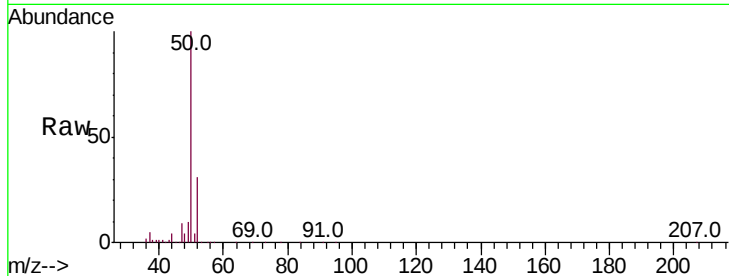
52 31.5 26.6 39.8

Manual Integrations

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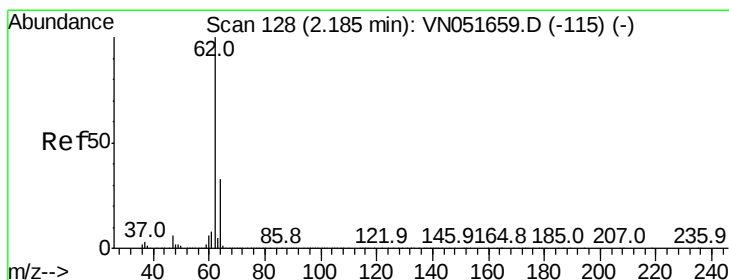
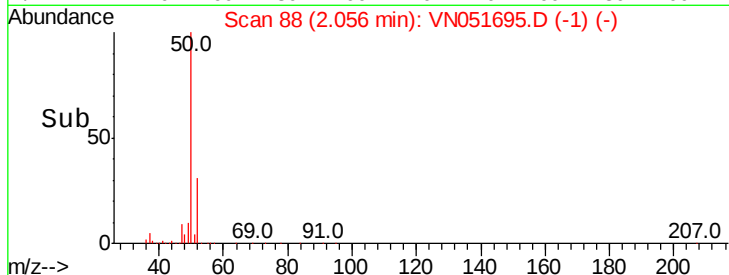
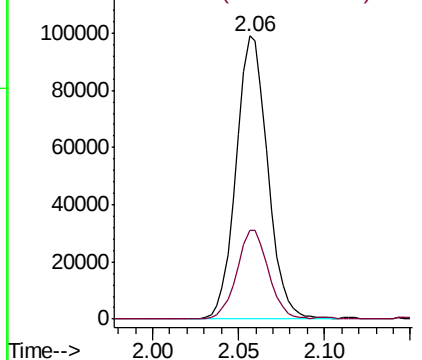
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 22.132 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051695.D

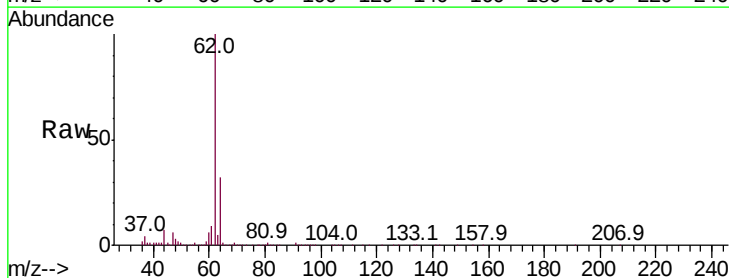
Acq: 5 Oct 2018 19:07

Tgt Ion: 62 Resp: 191869

Ion Ratio Lower Upper

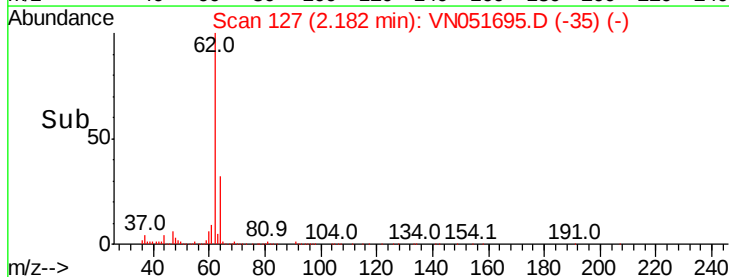
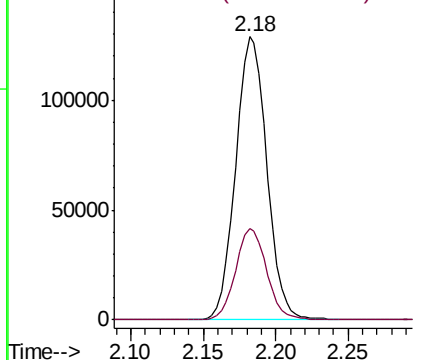
62 100

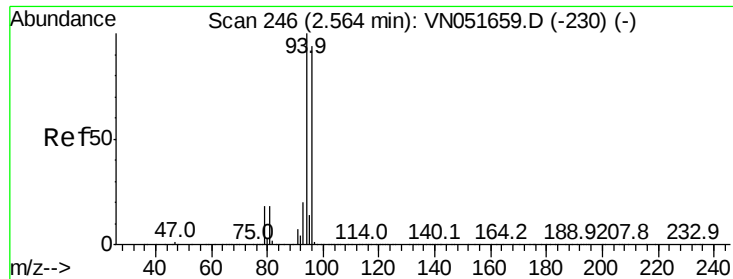
64 32.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.109 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBS01

Tot Ion: 94 Resp: 140731

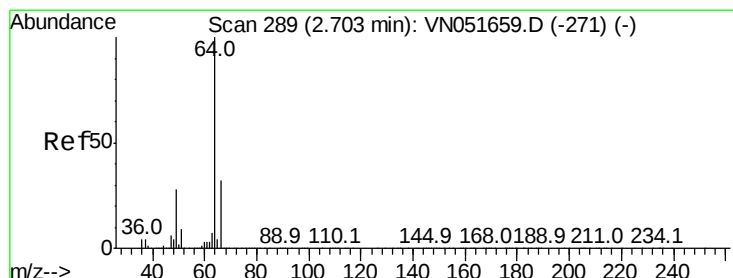
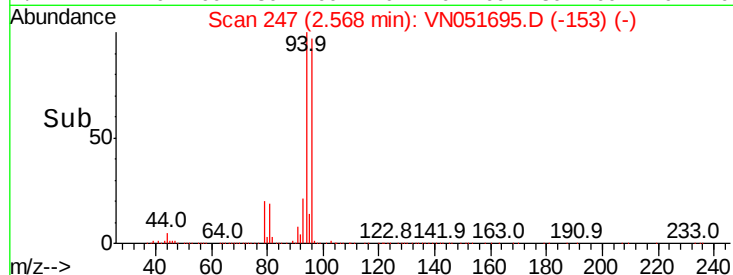
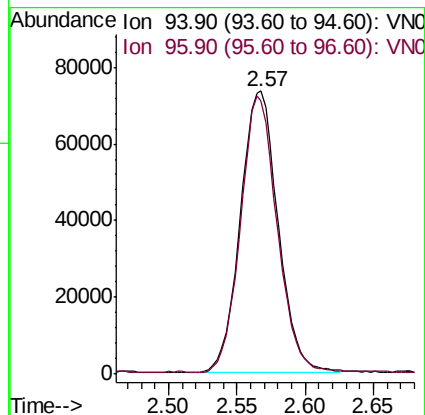
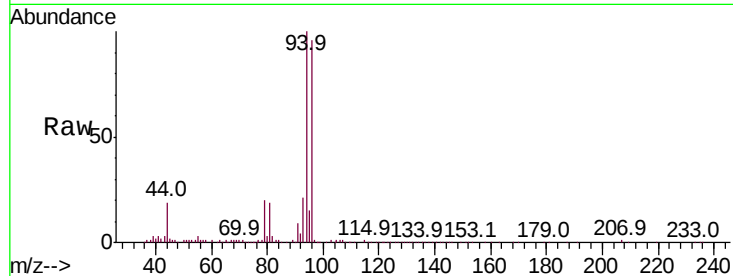
Ion Ratio Lower Upper

94 100

96 96.3 75.2 112.8

Manual Integrations
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#6

Chloroethane

Concen: 22.849 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051695.D

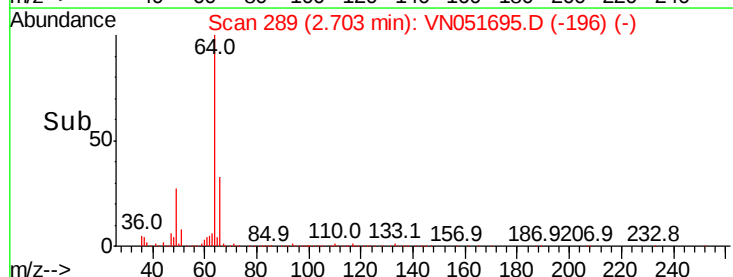
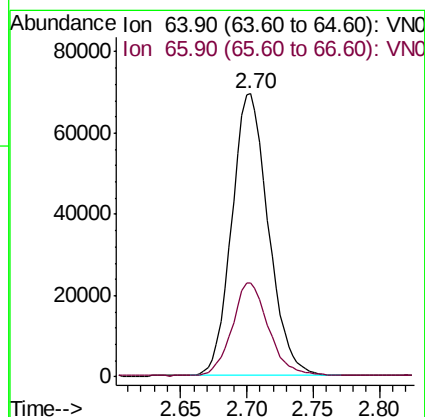
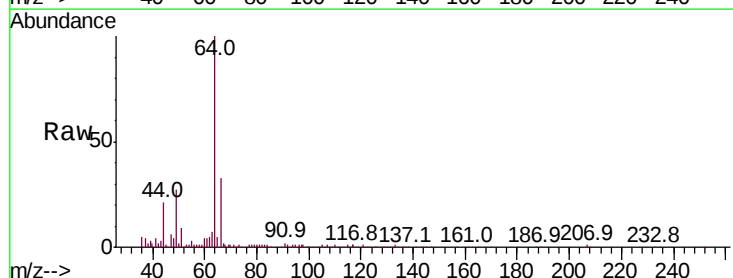
Acq: 5 Oct 2018 19:07

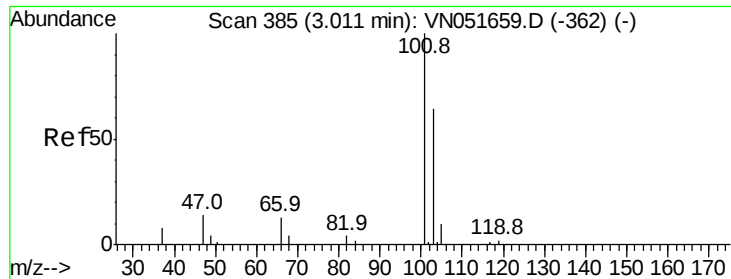
Tgt Ion: 64 Resp: 133134

Ion Ratio Lower Upper

64 100

66 32.8 26.0 39.0





#7

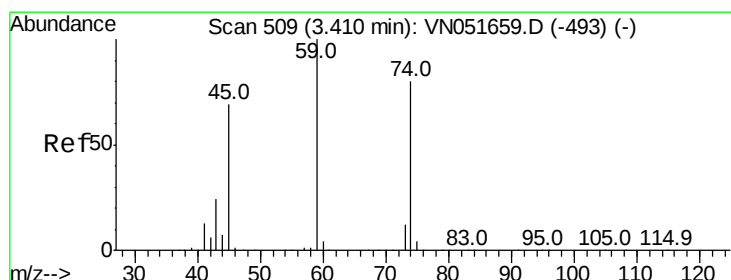
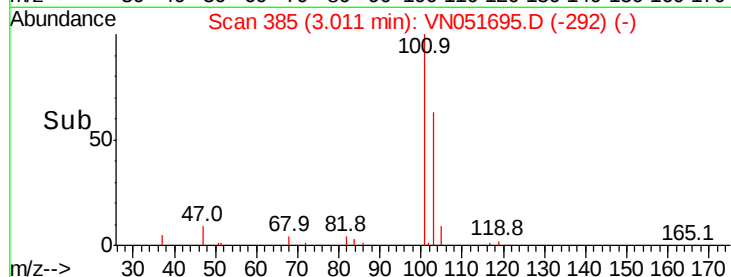
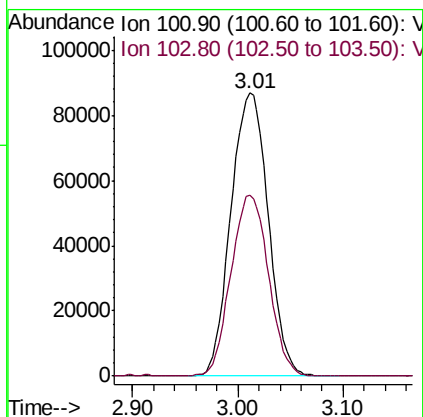
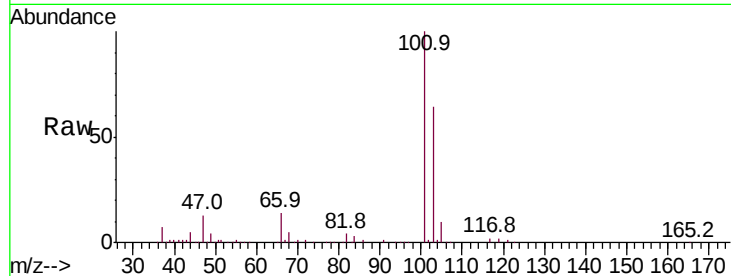
Trichlorofluoromethane
Concen: 22.944 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
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ClientSampleId :
VN1006MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	213681		
103	63.7	51.1	76.7	

Manual Integrations
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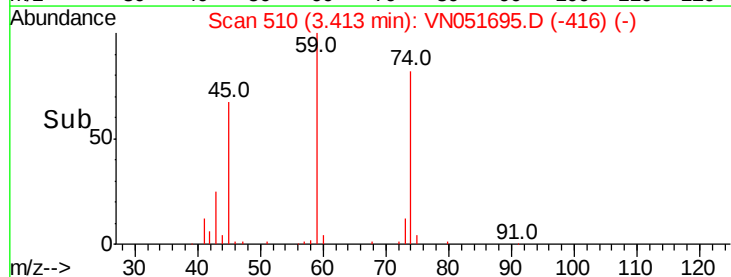
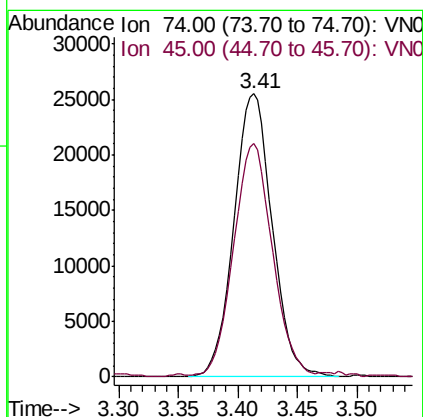
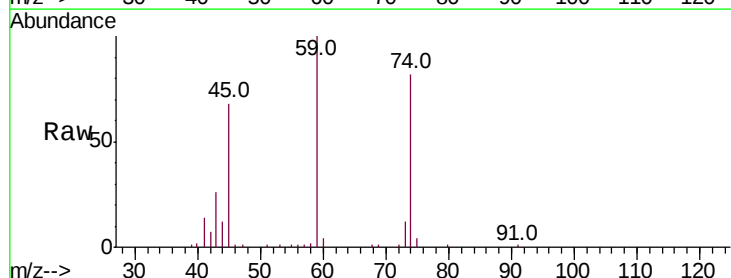
MMDadoda
10/8/2018 12:50:22 PM

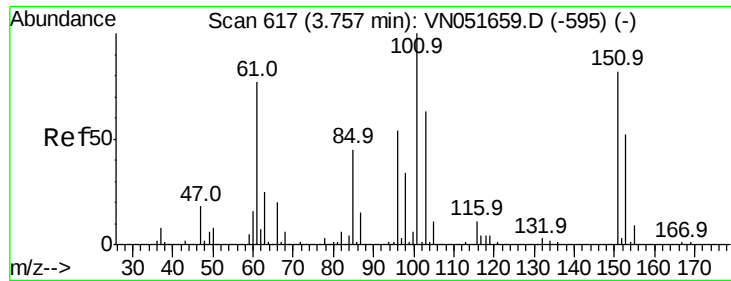


#8

Diethyl Ether
Concen: 22.505 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	56854		
45	81.6	44.3	132.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.557 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

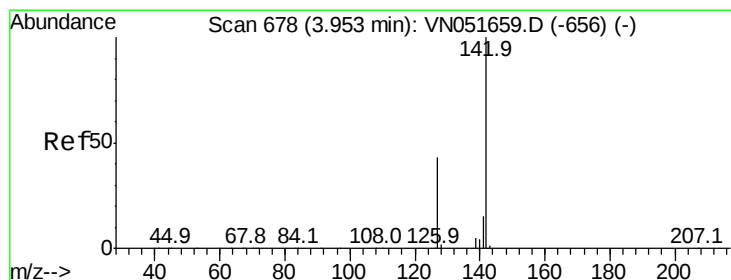
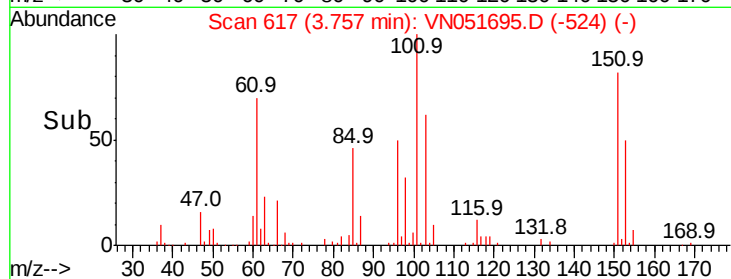
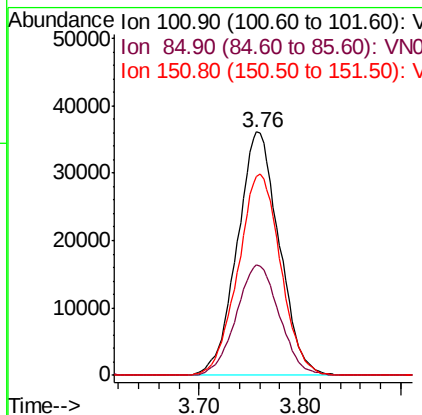
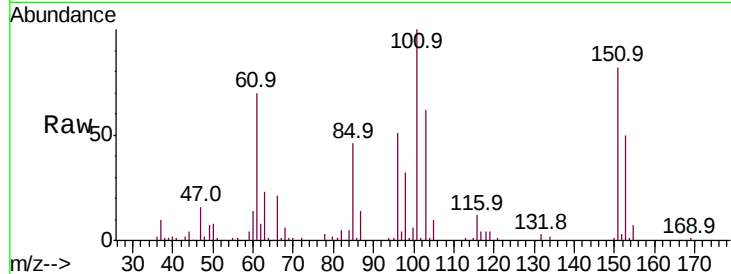
ClientSampleId :

VN1006MBS01

Tot Ion:	101	Resp:	103873
Ion Ratio	Lower	Upper	
101	100		
85	46.6	35.6	53.4
151	84.1	65.5	98.3

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 15.940 ug/l

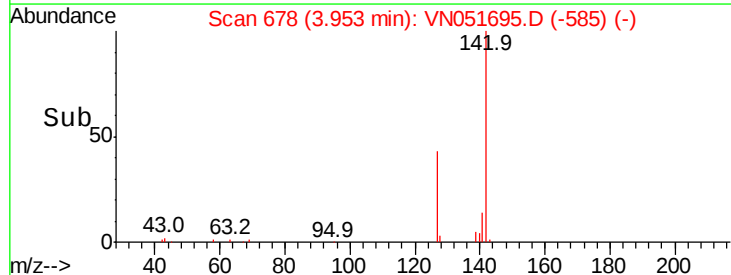
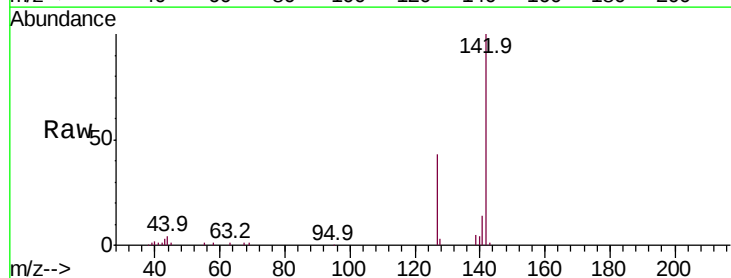
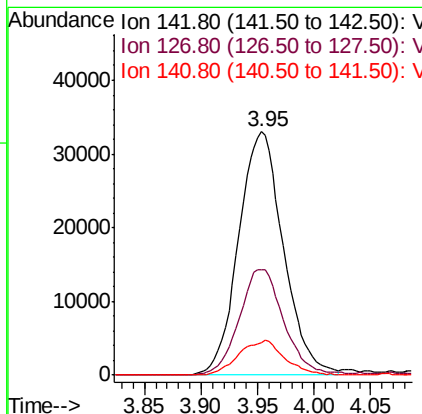
RT: 3.95 min Scan# 678

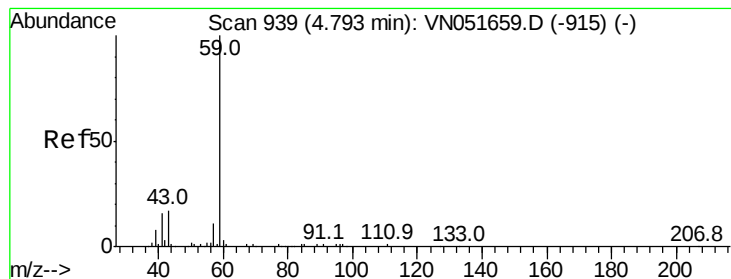
Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Tgt Ion:	142	Resp:	90908
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.7	52.1
141	14.5	11.4	17.2





#11

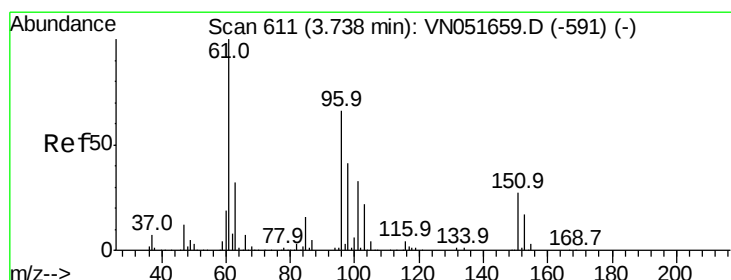
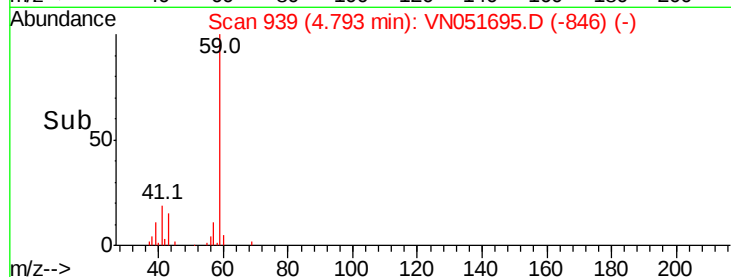
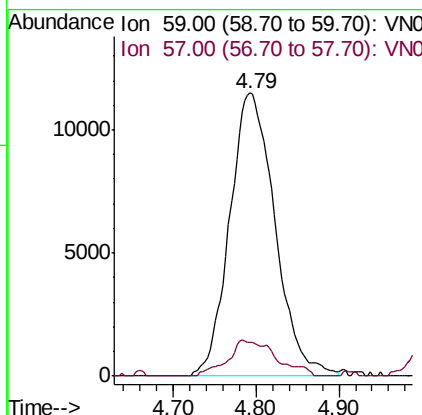
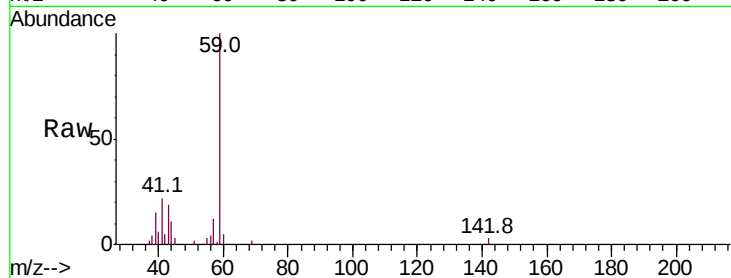
Tert butyl alcohol
Concen: 100.831 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampled :
VN1006MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	8.1	12.1

Manual Integrations
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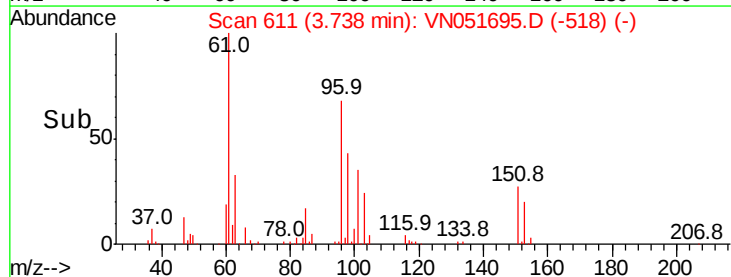
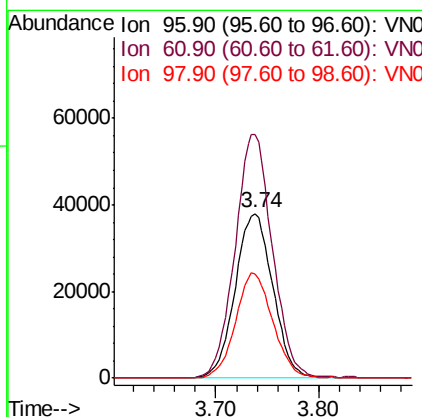
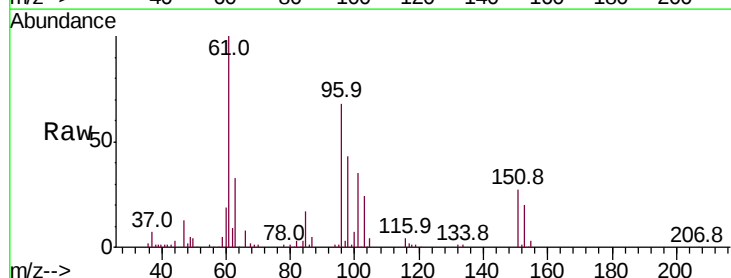
MMDadoda
10/8/2018 12:50:22 PM

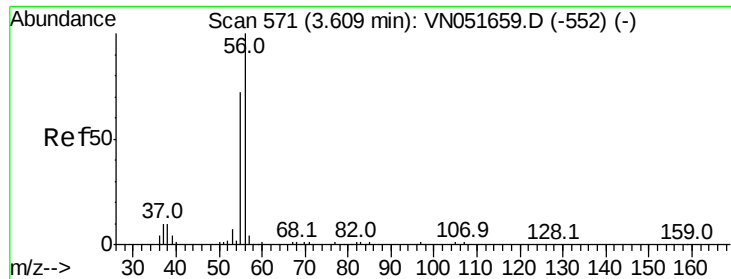


#12

1,1-Dichloroethene
Concen: 21.531 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.1	121.4	182.0
98	63.0	49.9	74.9





#13

Acrolein

Concen: 101.275 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBS01

Tot Ion: 56 Resp: 27394

Ion Ratio Lower Upper

56 100

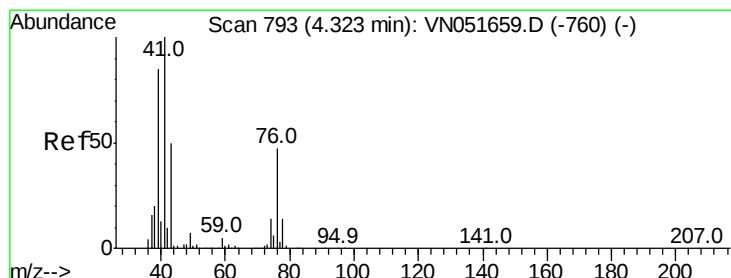
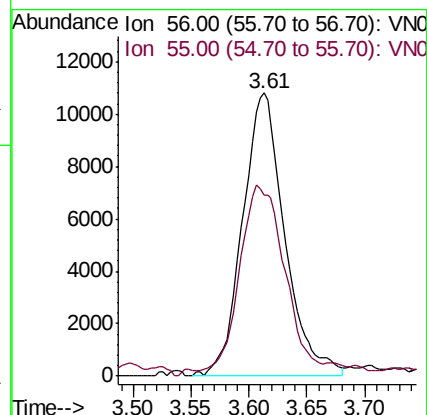
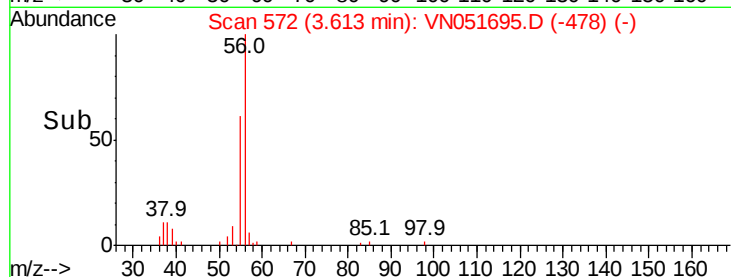
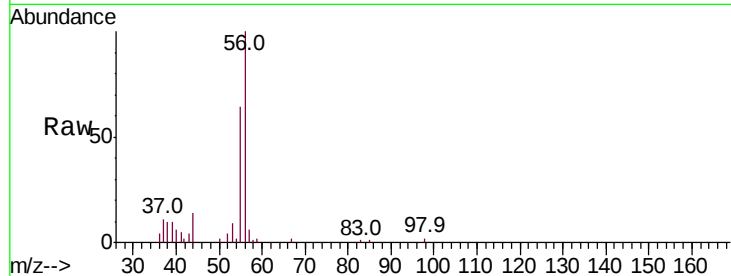
55 69.1 57.5 86.3

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 19.560 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

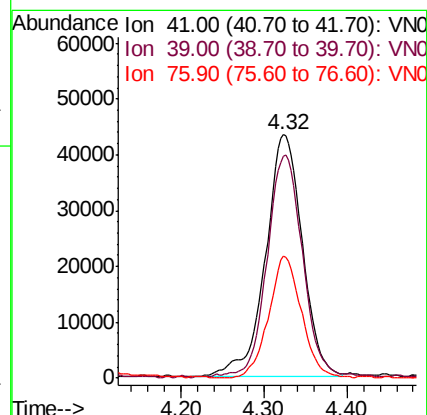
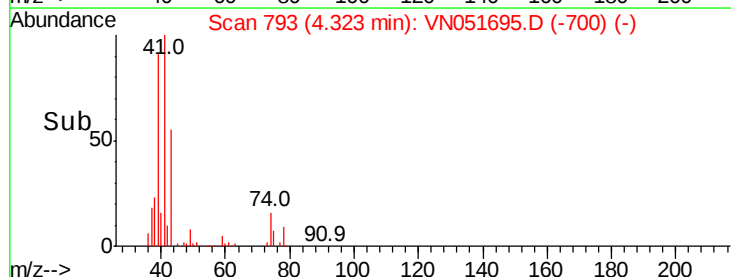
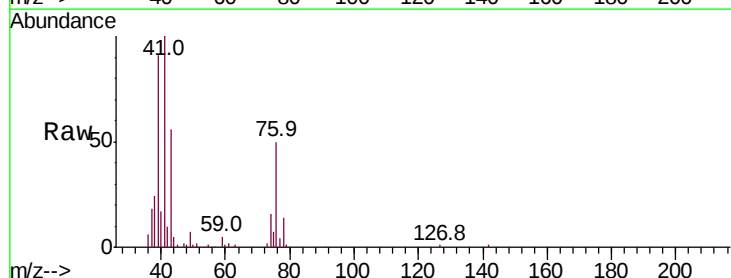
Tgt Ion: 41 Resp: 133979

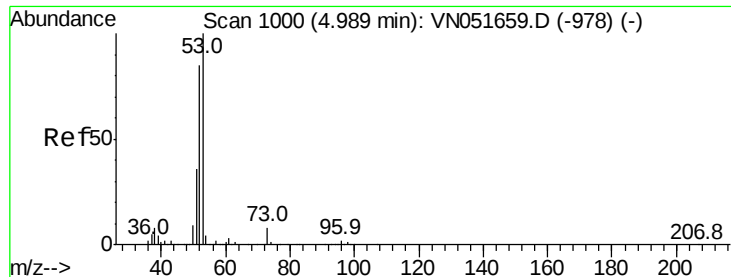
Ion Ratio Lower Upper

41 100

39 85.8 65.4 98.0

76 45.2 34.3 51.5





#15

Acrylonitrile

Concen: 102.238 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

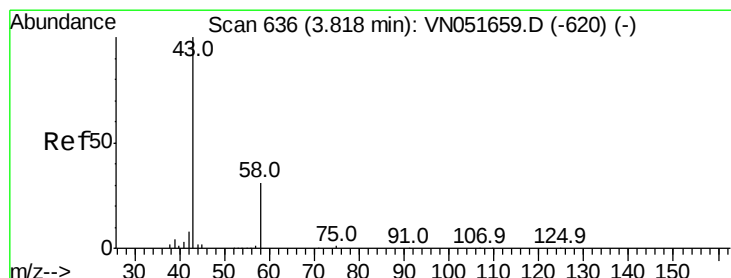
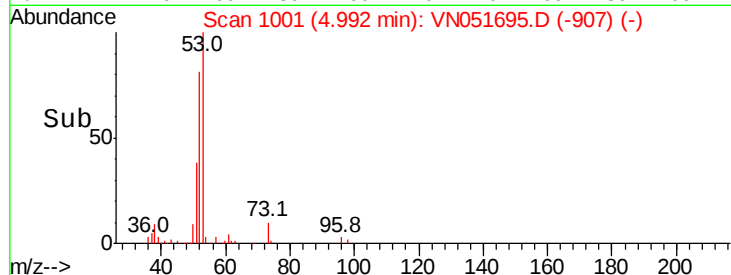
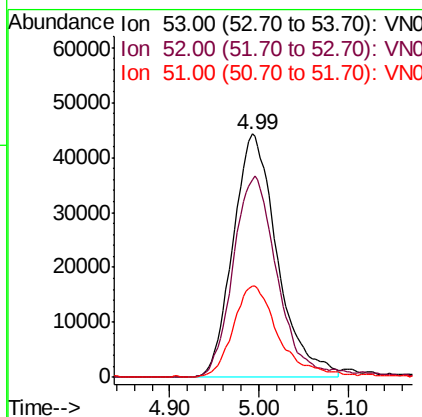
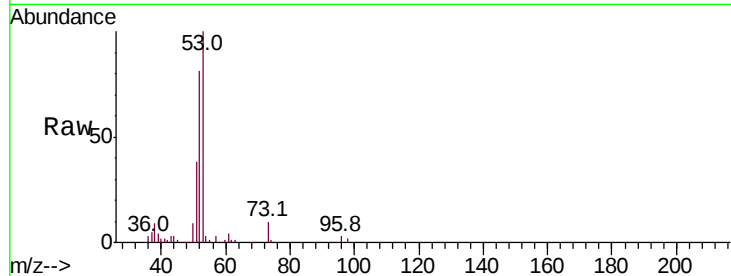
ClientSampleId :

VN1006MBS01

Tot Ion:	53	Resp:	152749
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.2	99.2
51	38.8	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 98.512 ug/l

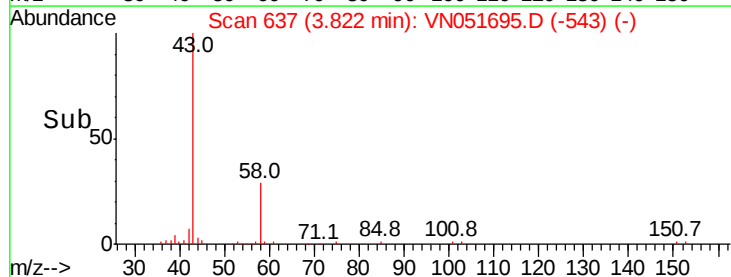
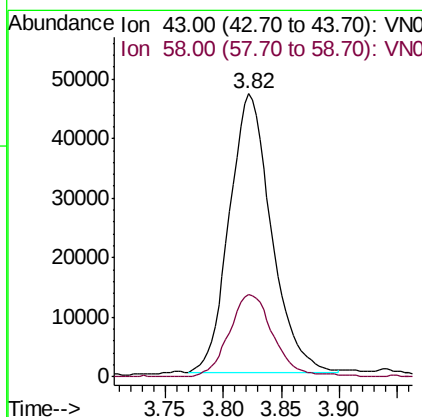
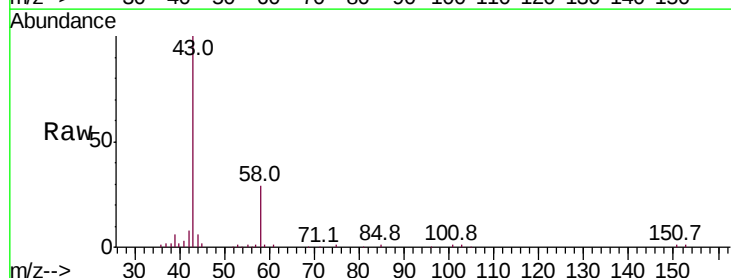
RT: 3.82 min Scan# 637

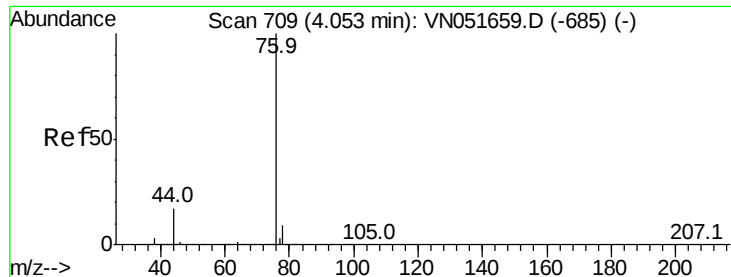
Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Tgt Ion:	43	Resp:	117295
Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.3	36.5





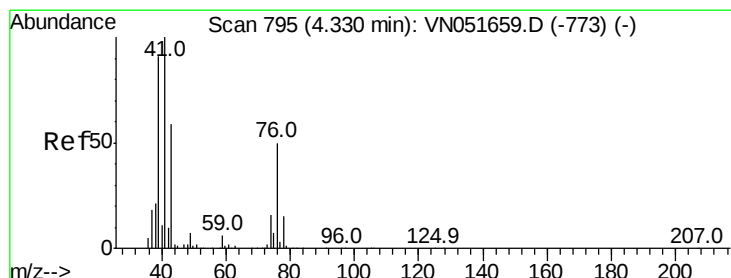
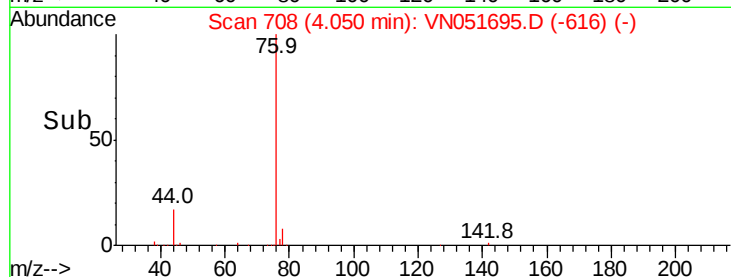
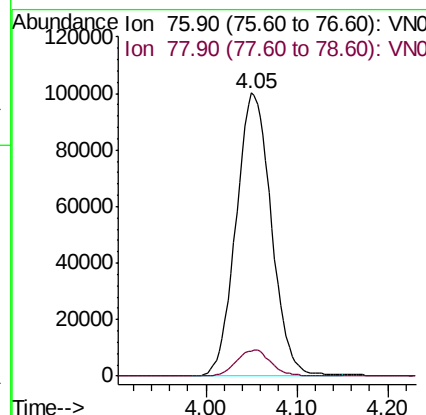
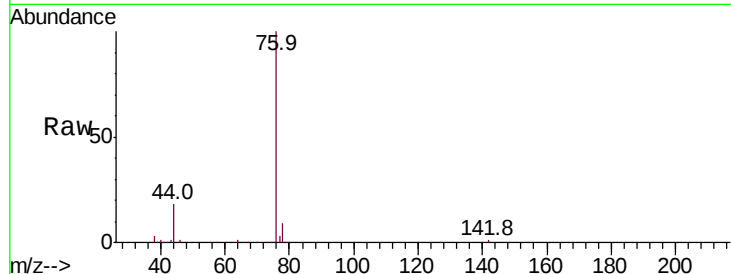
#17
Carbon Disulfide
Concen: 19.747 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

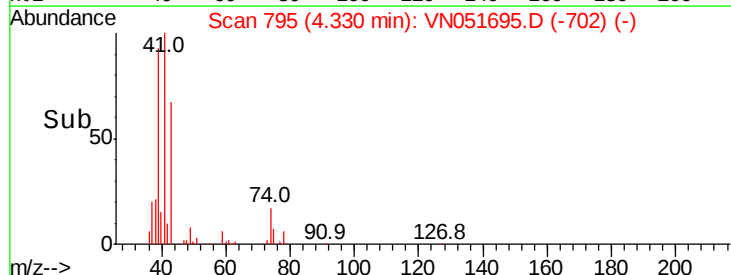
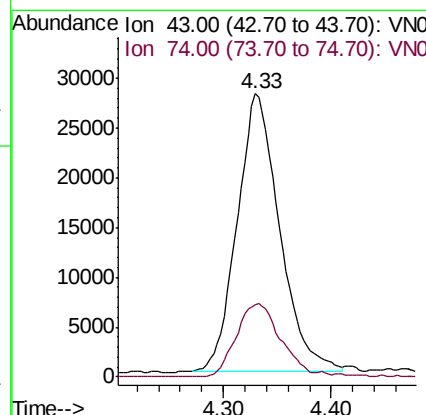
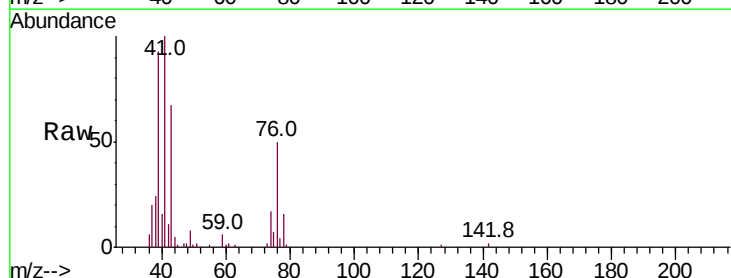
Manual Integrations
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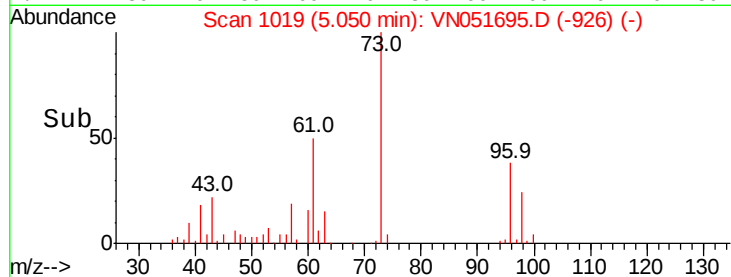
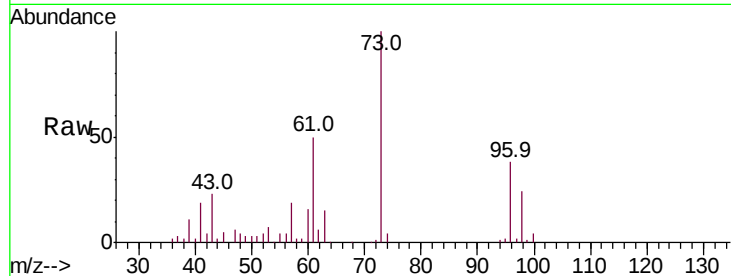
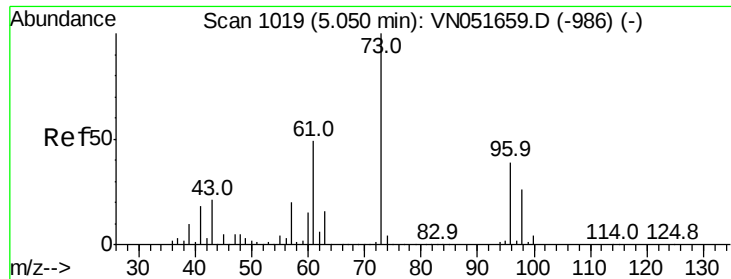
MMDadoda
10/8/2018 12:50:22 PM



#18
Methyl Acetate
Concen: 21.767 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.3	21.5	32.3





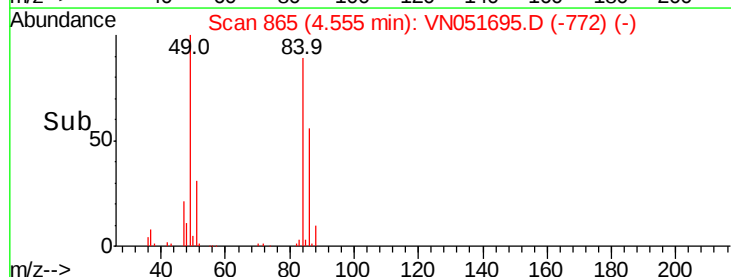
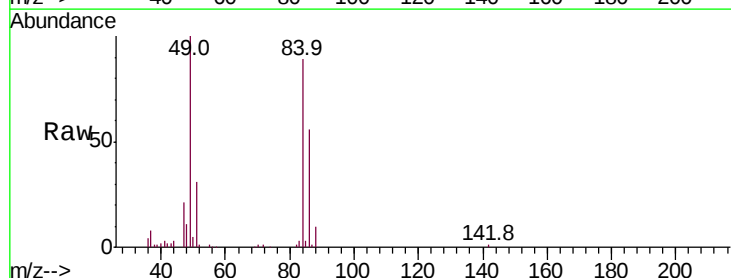
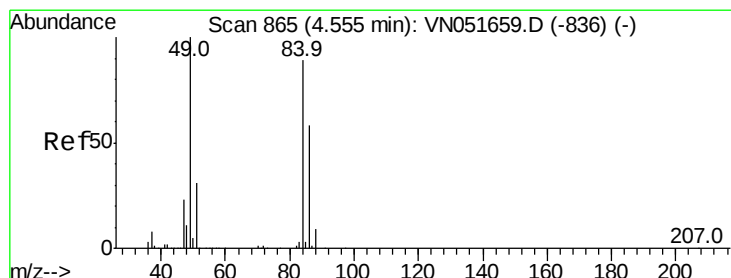
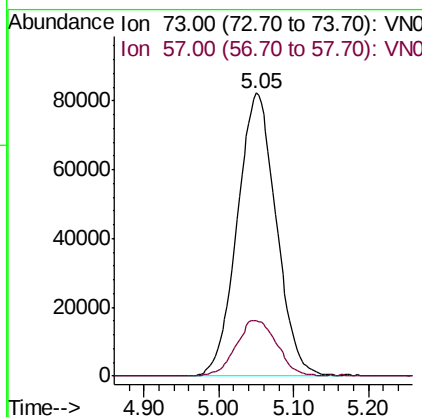
#19
Methvl tert-butvl Ether
Concen: 20.086 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tot Ion	73	57	Ratio	100	Resp	Lower	Upper
73	100				297750		
57	19.4		15.6	23.4			

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBS01

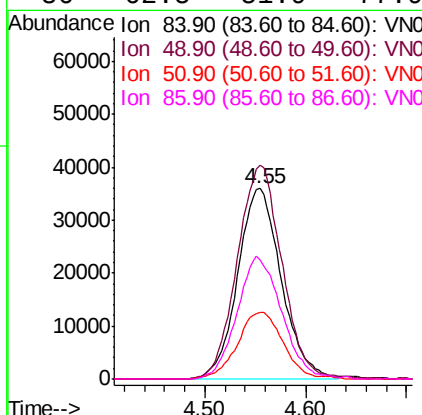
Manual Integrations
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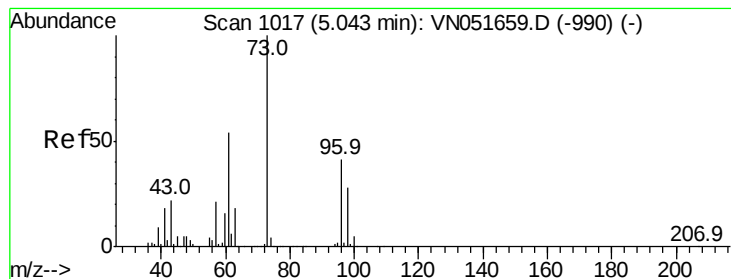
MMDadoda
10/8/2018 12:50:22 PM



#20
Methylene Chloride
Concen: 20.577 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	84	49	51	86	Ratio	100	Lower	Upper	Resp
84	100								107855
49	112.2				89.5	134.3			
51	35.3				27.4	41.0			
86	62.5				51.9	77.9			





#21

trans-1,2-Dichloroethene

Concen: 19.691 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampled :

VN1006MBS01

Tot Ion: 96 Resp: 104792

Ion Ratio Lower Upper

96 100

61 125.5 104.7 157.1

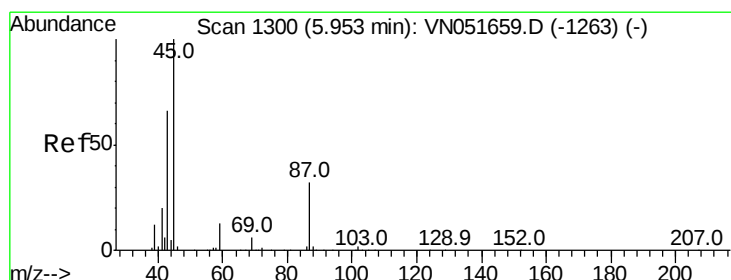
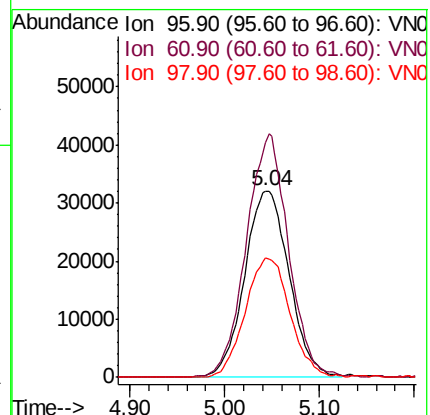
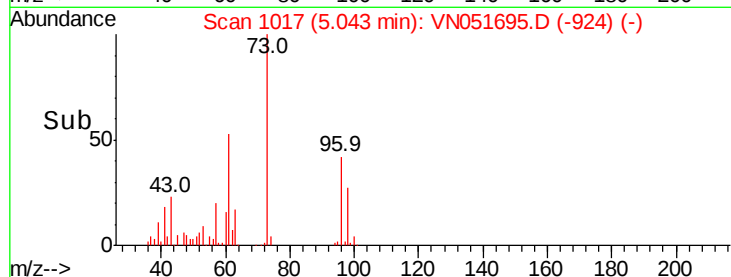
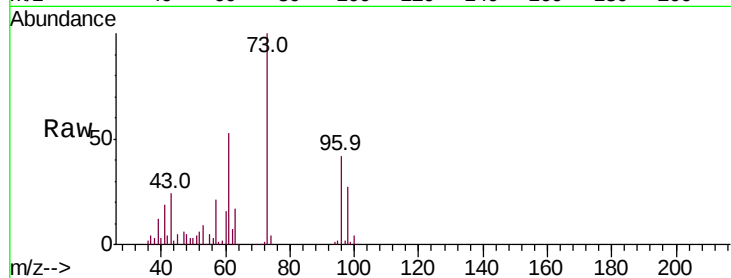
98 63.9 54.6 82.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.425 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Tgt Ion: 45 Resp: 299895

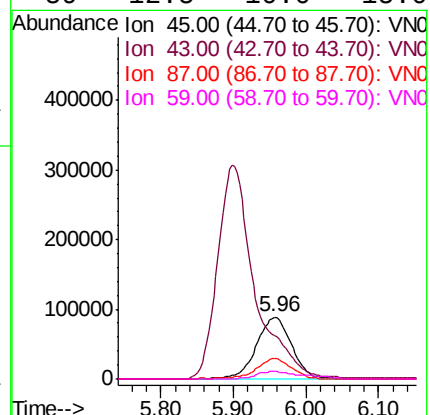
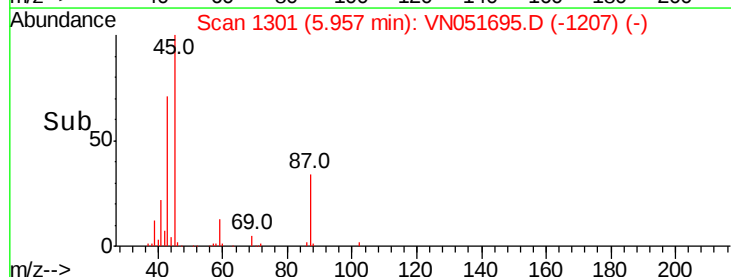
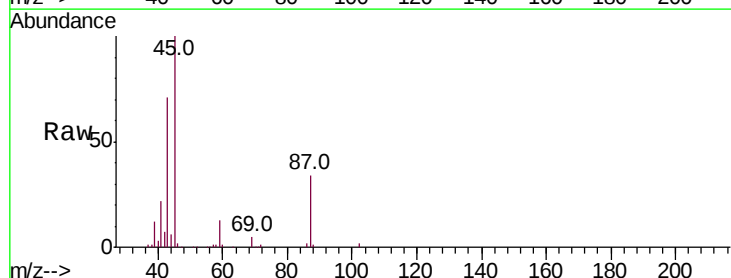
Ion Ratio Lower Upper

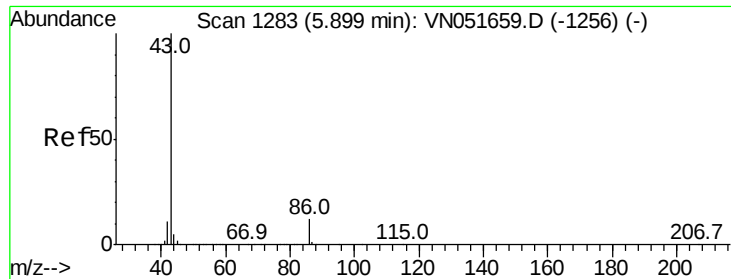
45 100

43 68.9 53.0 79.4

87 33.7 26.4 39.6

59 12.5 10.0 15.0





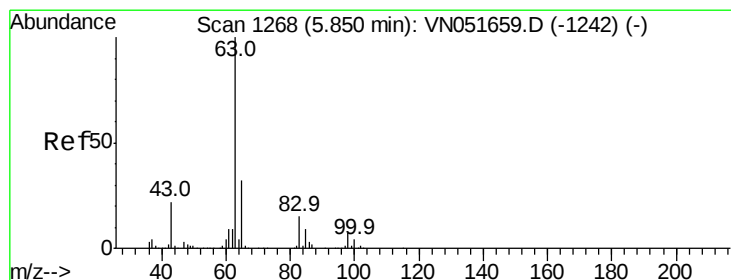
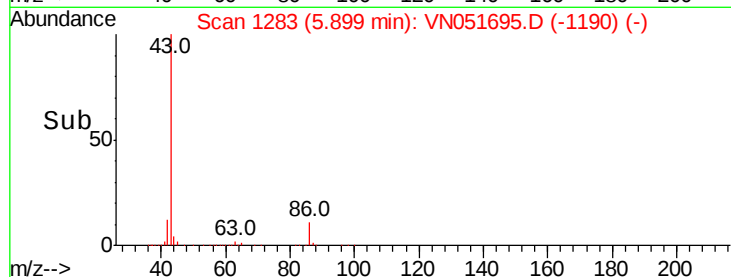
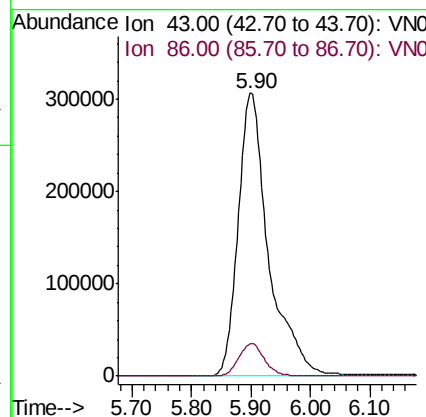
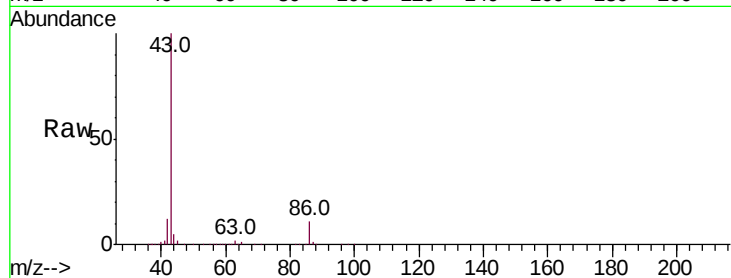
#23
 Vinyl Acetate
 Concen: 100.985 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051695.D
 Acq: 5 Oct 2018 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBS01

Tot Ion: 43 Resp: 1090244
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.3 13.9

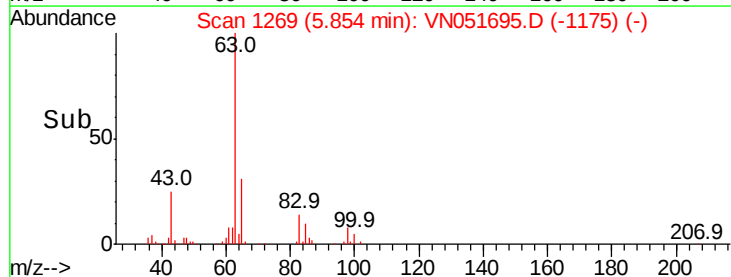
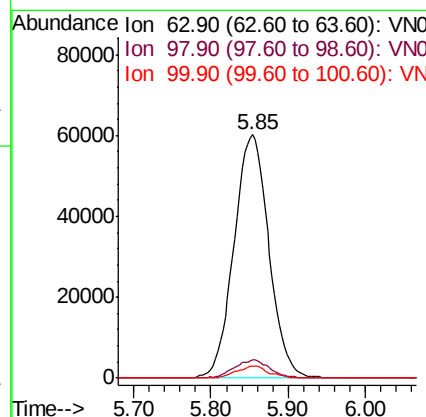
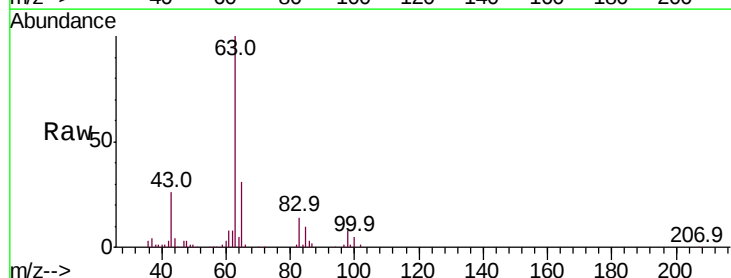
Manual Integrations
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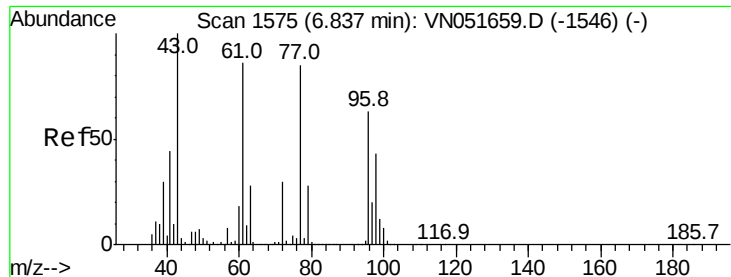
MMDadoda
 10/8/2018 12:50:22 PM



#24
 1,1-Dichloroethane
 Concen: 19.947 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051695.D
 Acq: 5 Oct 2018 19:07

Tgt Ion: 63 Resp: 188363
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.3 9.9
 100 4.8 2.2 6.6





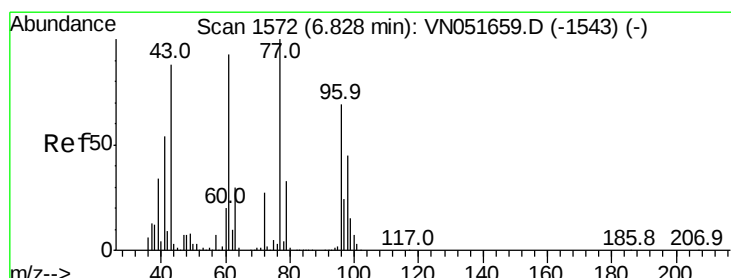
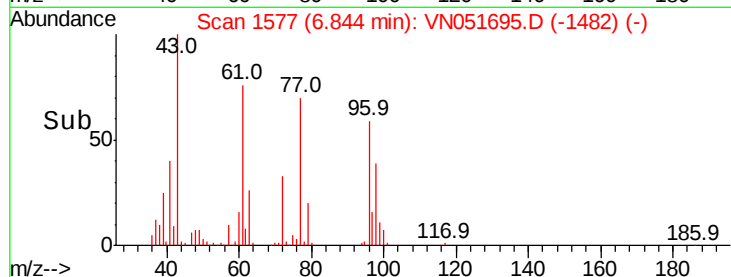
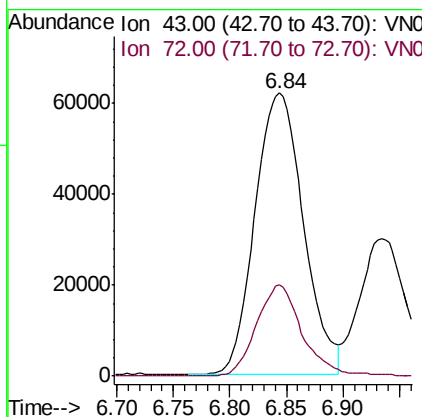
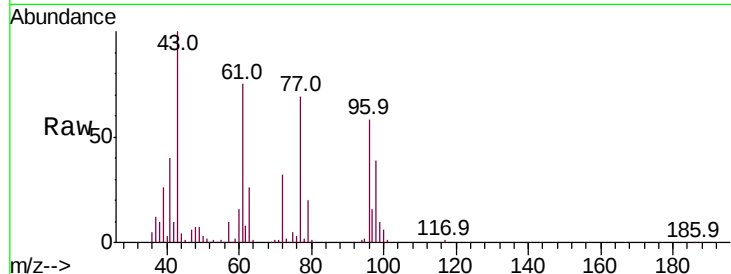
#25
2-Butanone
Concen: 100.249 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBS01

Tot Ion: 43 Resp: 184420
Ion Ratio Lower Upper
43 100
72 32.7 24.2 36.2

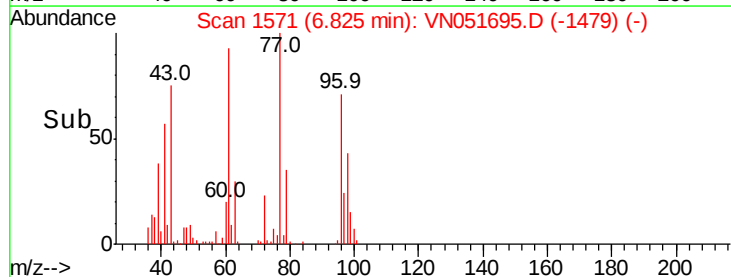
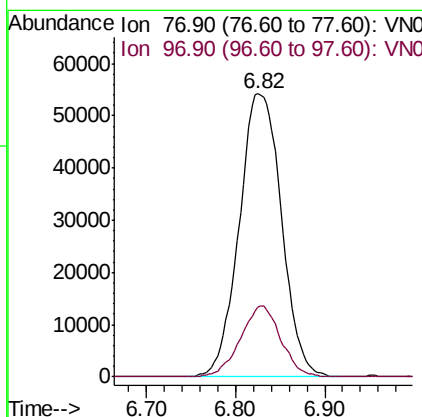
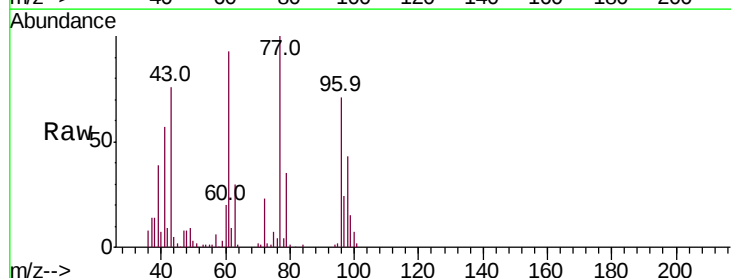
Manual Integrations
APPROVED

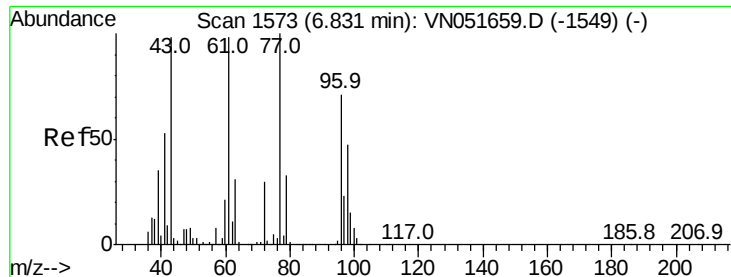
MMDadoda
10/8/2018 12:50:22 PM



#26
2,2-Dichloropropane
Concen: 18.832 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion: 77 Resp: 178207
Ion Ratio Lower Upper
77 100
97 23.9 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 19.677 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

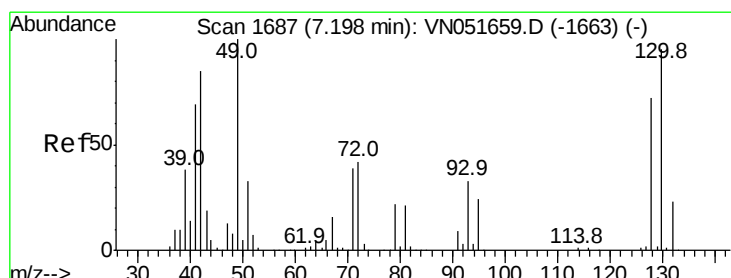
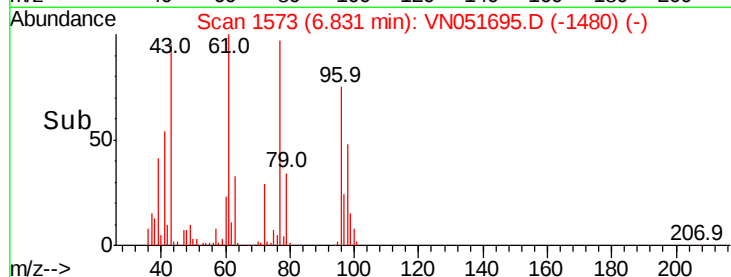
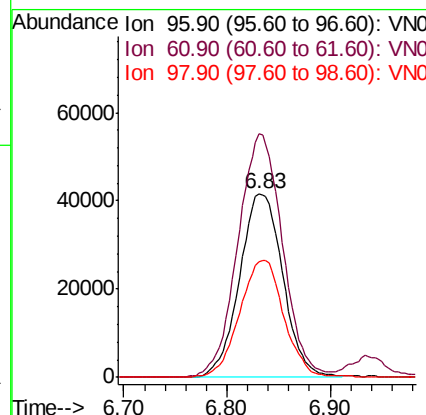
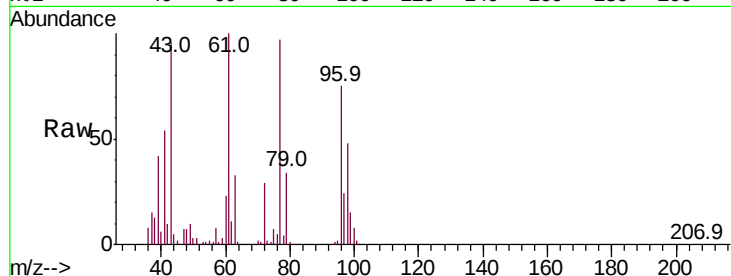
ClientSampled :

VN1006MBS01

Tot Ion:	96	Resp:	121567
Ion Ratio	Lower	Upper	
96	100		
61	136.1	0.0	275.4
98	65.3	0.0	129.6

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MMDadoda
10/8/2018 12:50:22 PM



#28

Bromochloromethane

Concen: 19.765 ug/l

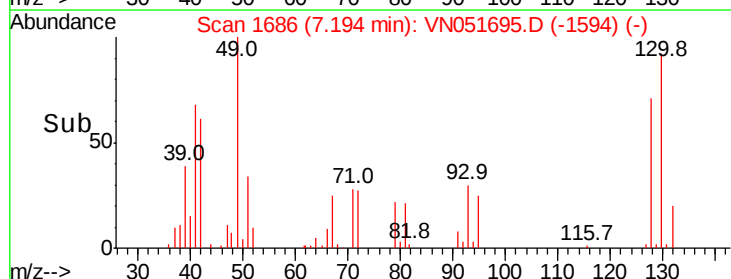
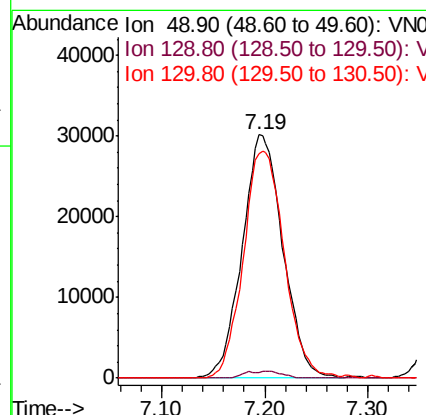
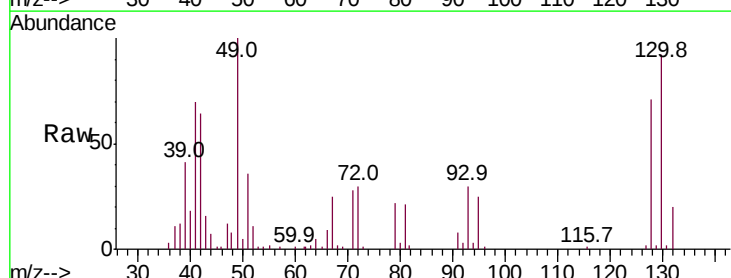
RT: 7.19 min Scan# 1686

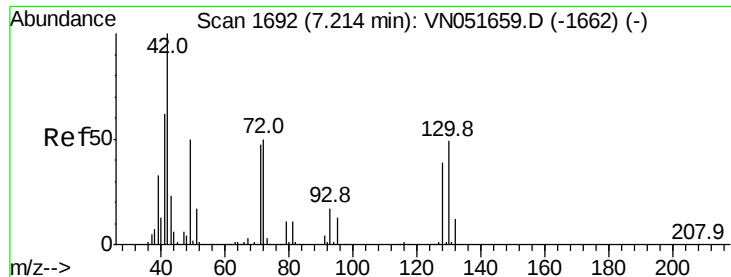
Delta R.T. -0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Tgt Ion:	49	Resp:	82629
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	4.8
130	93.8	75.7	113.5





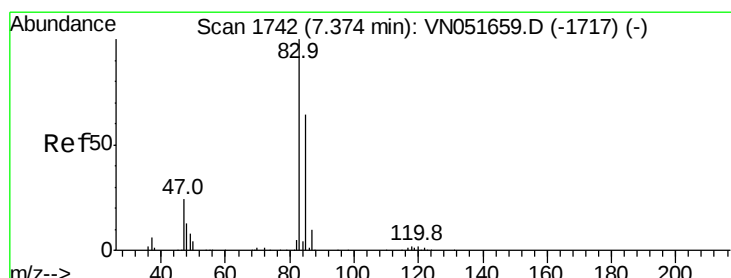
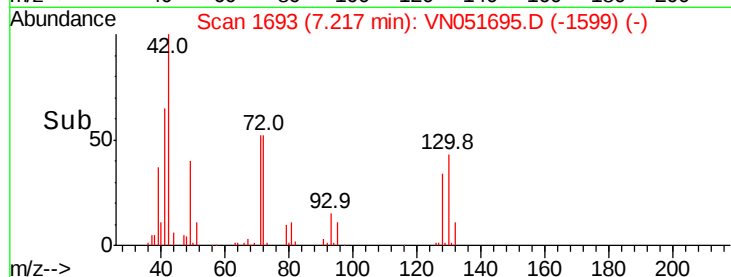
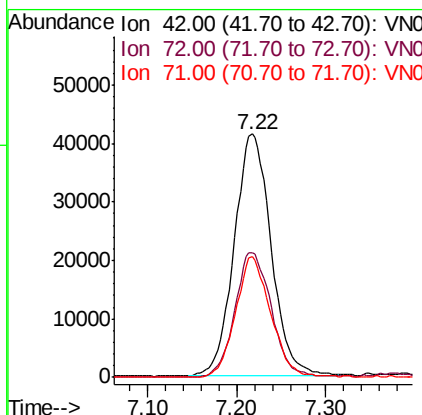
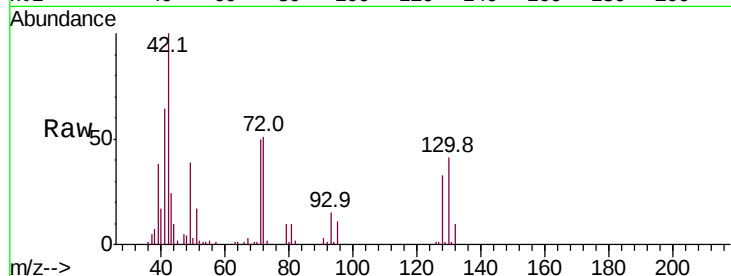
#29
Tetrahydrofuran
Concen: 105.903 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.8	40.1	60.1
71	47.5	38.0	57.0

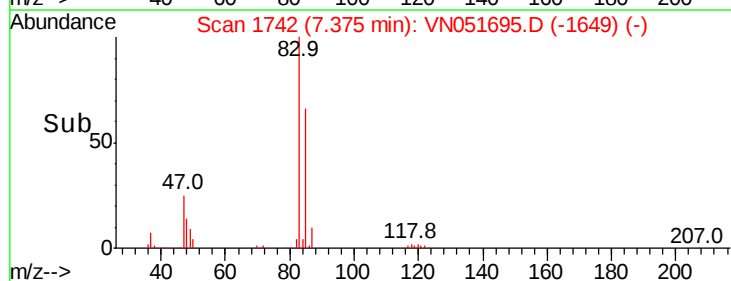
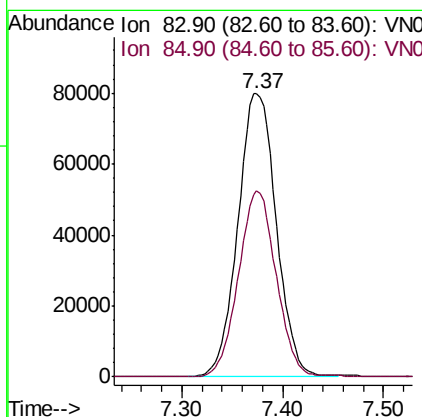
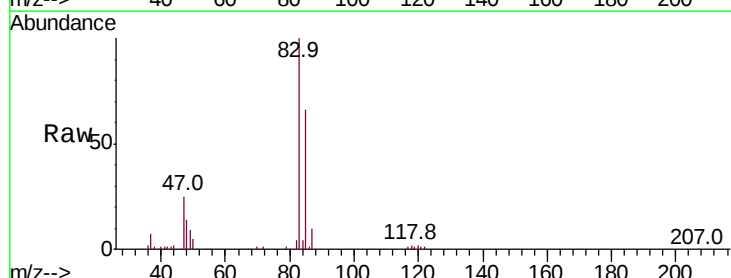
Manual Integrations
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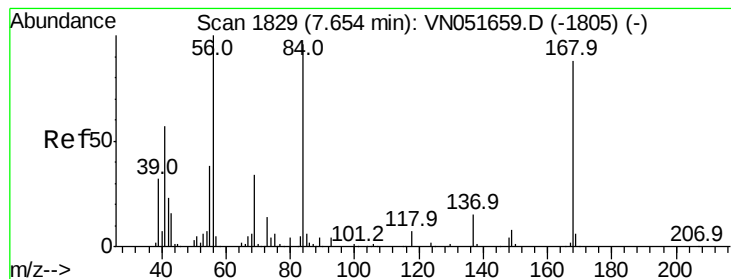
MMDadoda
10/8/2018 12:50:22 PM



#30
Chloroform
Concen: 19.863 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.6	77.4





#31

Cyclohexane

Concen: 19.441 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampled :

VN1006MBS01

Tot Ion: 56 Resp: 168129

Ion Ratio Lower Upper

56 100

69 37.0 27.5 41.3

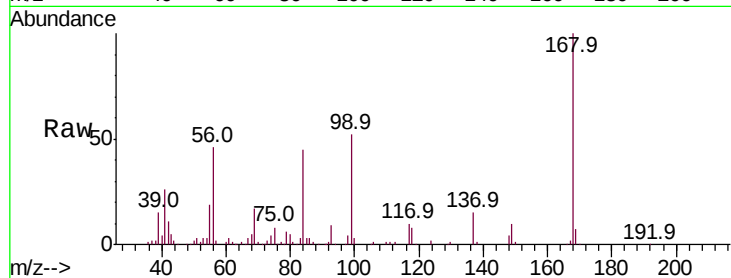
84 95.8 76.7 115.1

Manual Integrations

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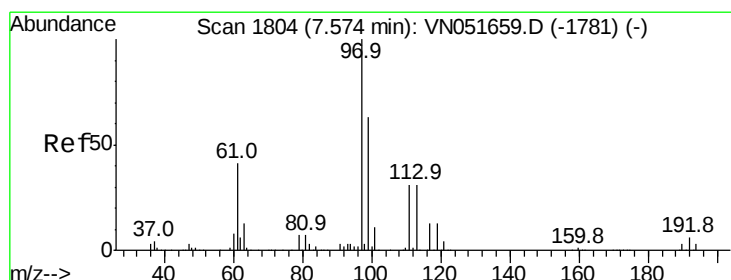
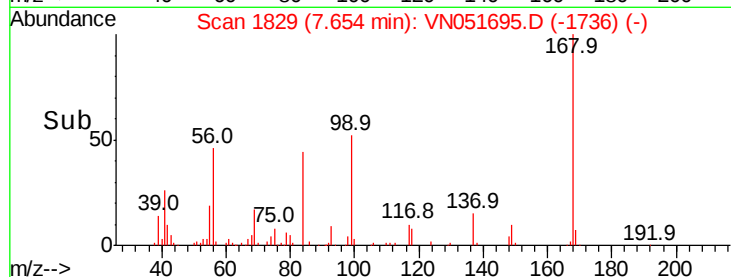
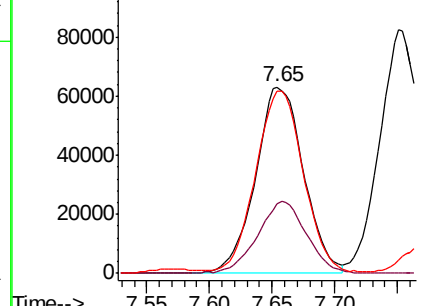
10/8/2018 12:50:22 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.385 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

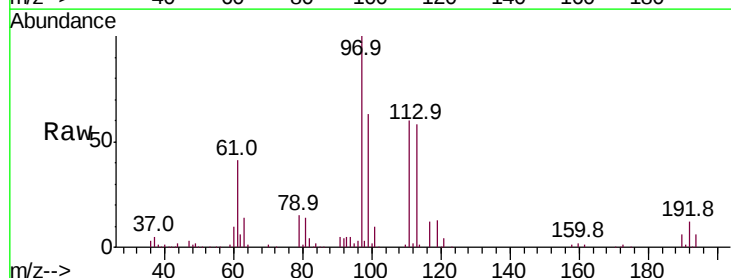
Tgt Ion: 97 Resp: 199358

Ion Ratio Lower Upper

97 100

99 63.8 51.9 77.9

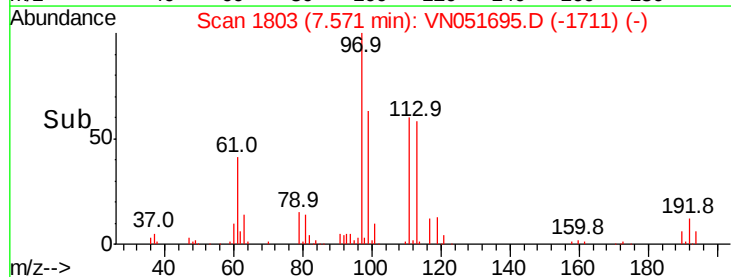
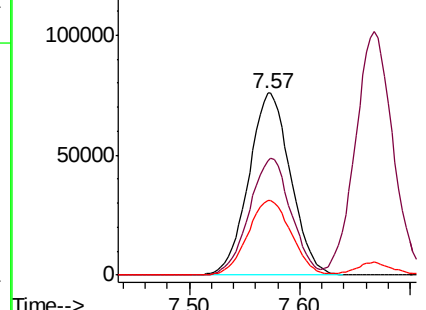
61 42.5 33.4 50.0

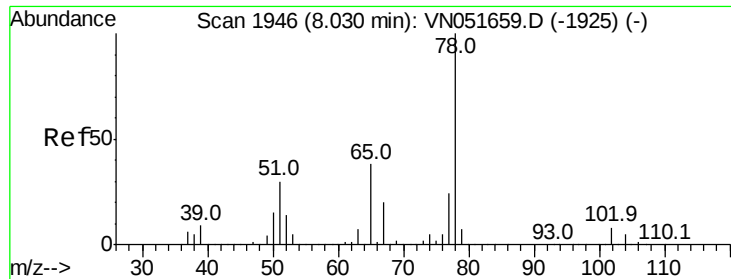


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





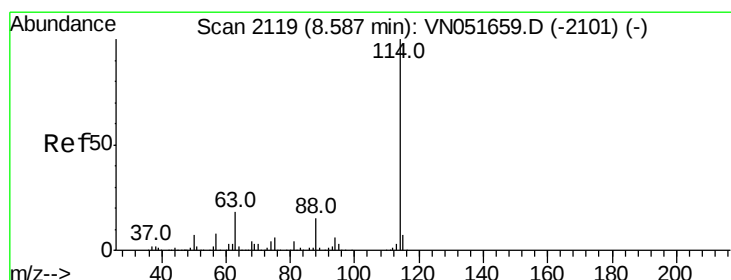
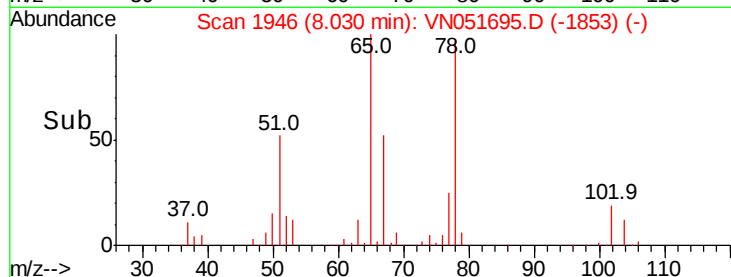
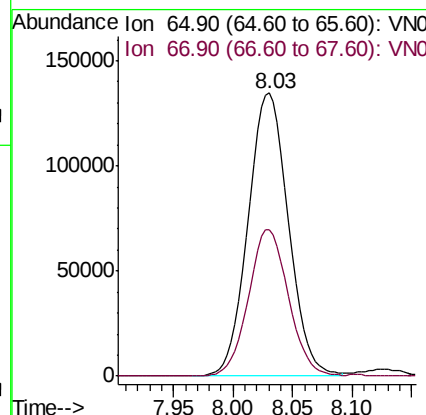
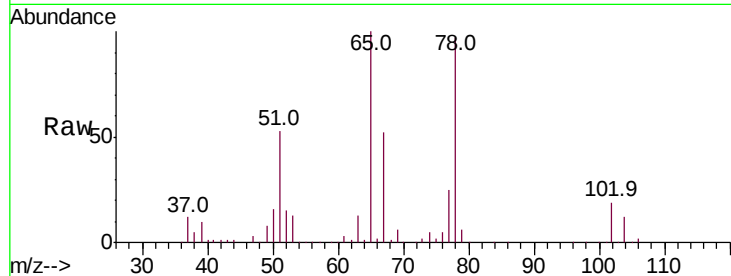
#33
 1,2-Dichloroethane-d4
 Concen: 19.385 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051695.D
 Acq: 5 Oct 2018 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.2	0.0	103.6	

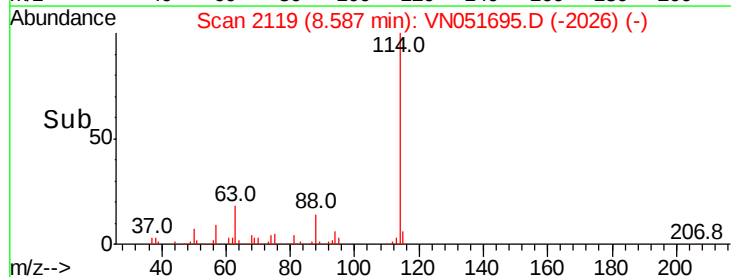
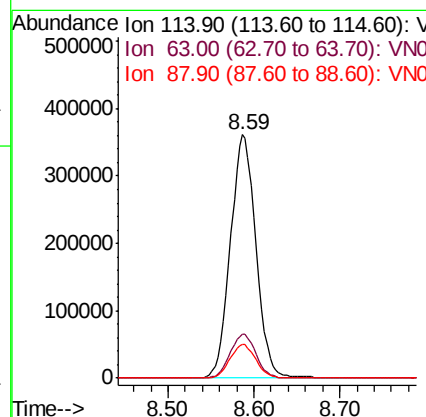
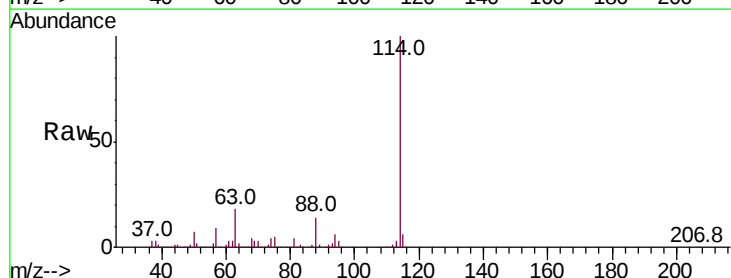
Manual Integrations
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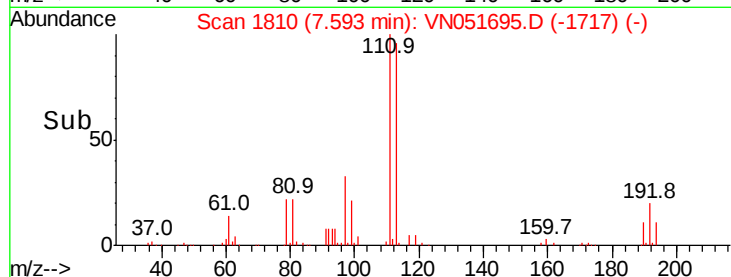
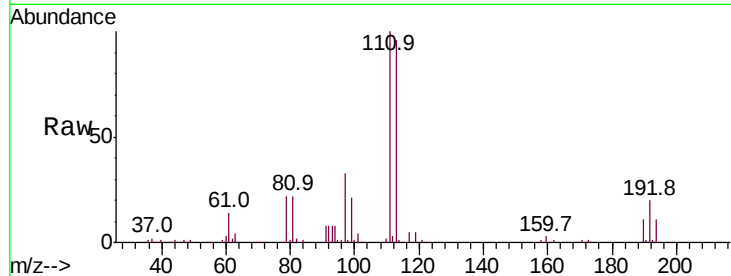
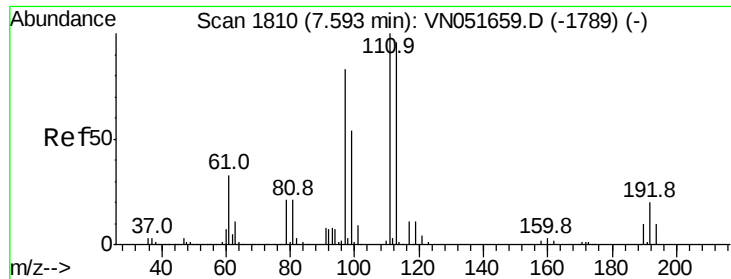
MMDadoda
 10/8/2018 12:50:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051695.D
 Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.0	0.0	36.2	
88	14.0	0.0	30.2	





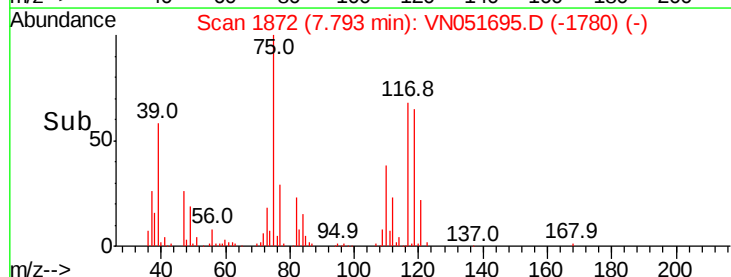
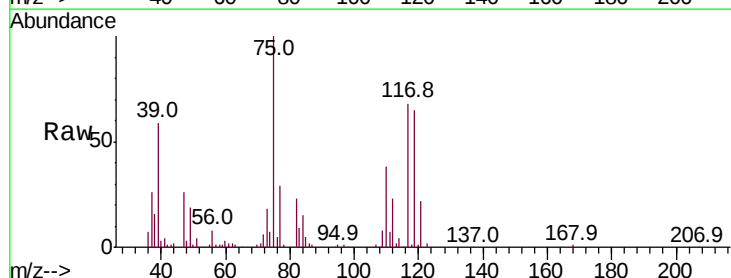
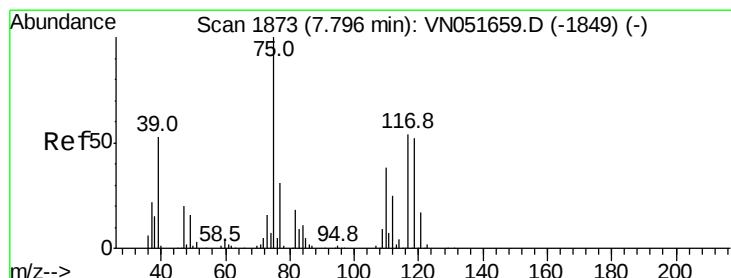
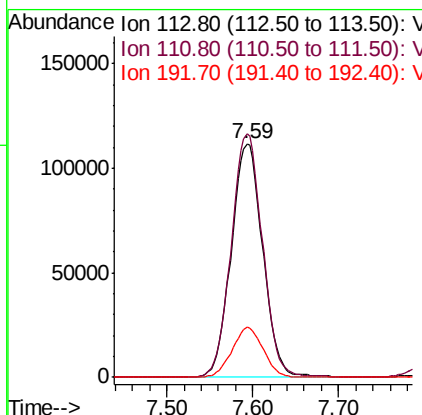
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tot Ion	Ratio	Resp	Lower	Upper
113	100	285028		
111	103.0		81.8	122.8
192	21.1		16.5	24.7

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBS01

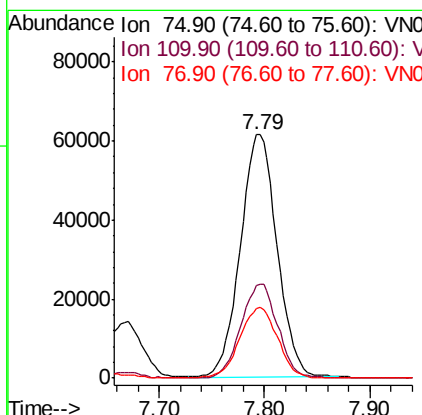
Manual Integrations
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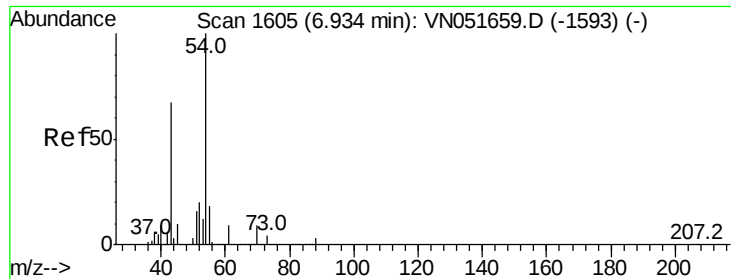
MMDadoda
10/8/2018 12:50:22 PM



#36
1,1-Dichloropropene
Concen: 19.141 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	148991		
110	38.8		19.3	57.8
77	30.0		24.7	37.1





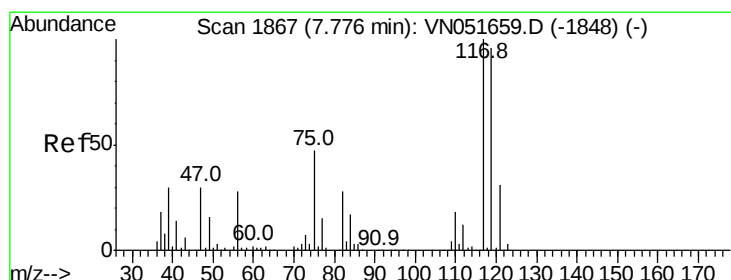
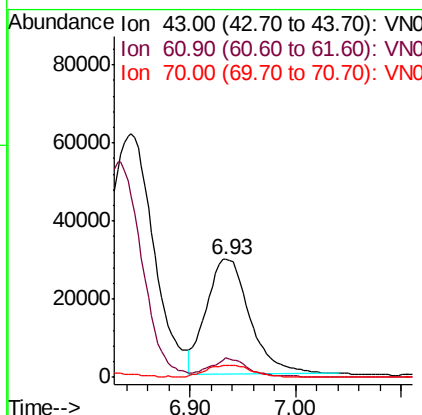
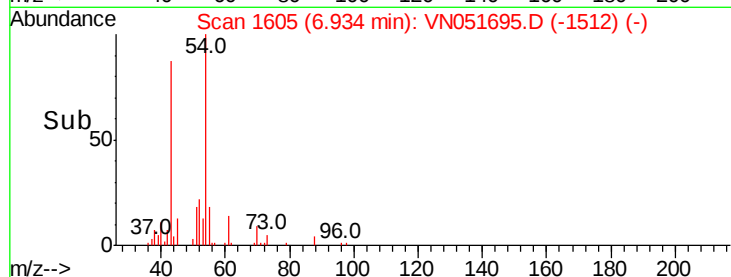
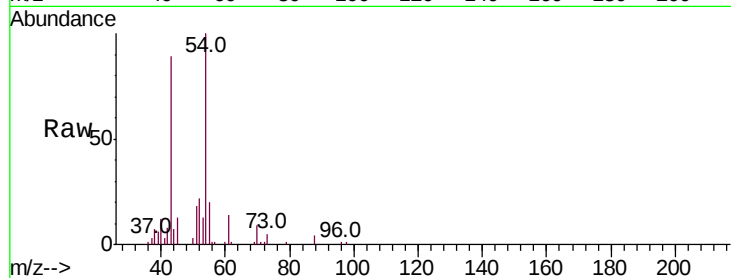
#37
Ethyl Acetate
Concen: 20.974 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.8	17.6
70	11.3	8.7	13.1

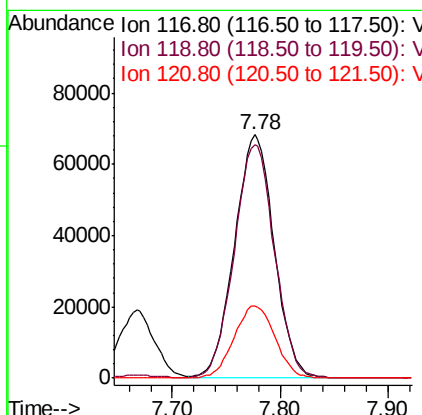
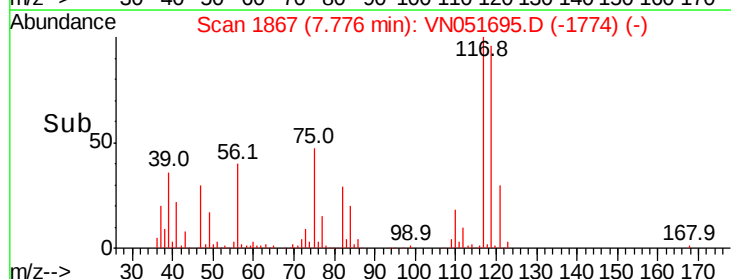
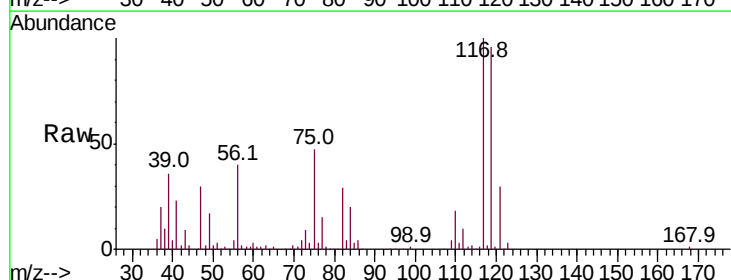
Manual Integrations
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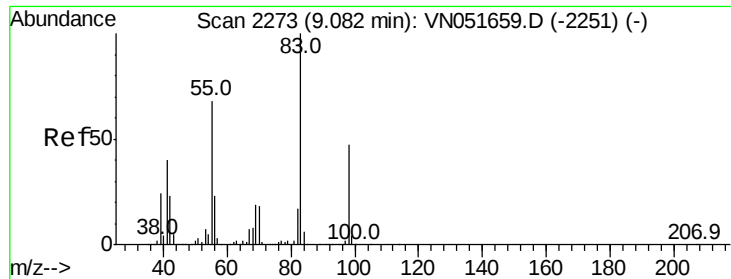
MMDadoda
10/8/2018 12:50:22 PM



#38
Carbon Tetrachloride
Concen: 18.713 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.0	115.6
121	29.8	25.0	37.6





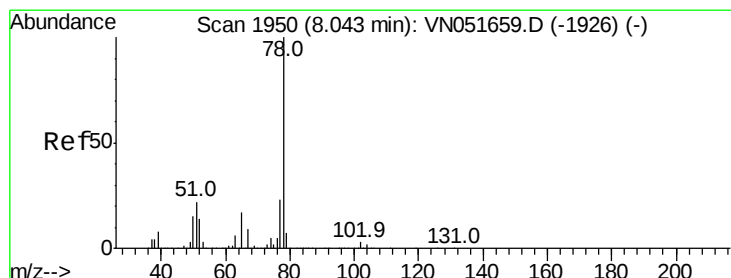
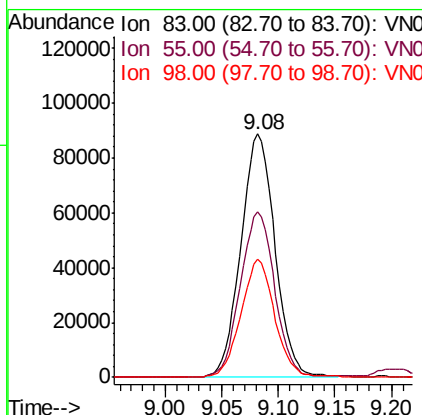
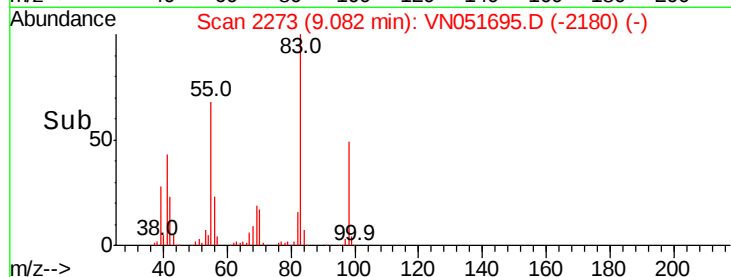
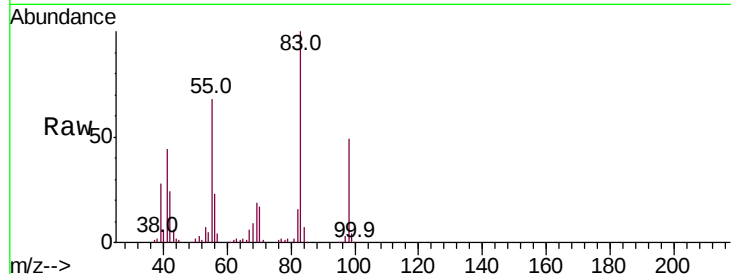
#39
Methvlcvclohexane
Concen: 19.130 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	67.6	54.3	81.5	
98	48.6	37.4	56.2	

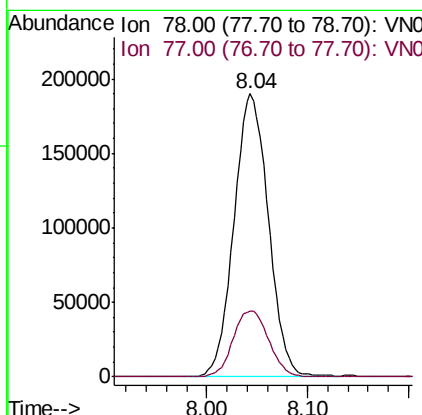
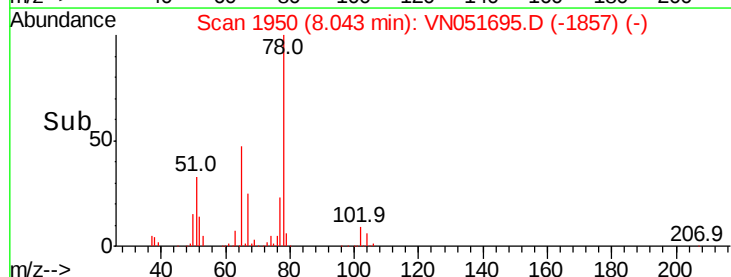
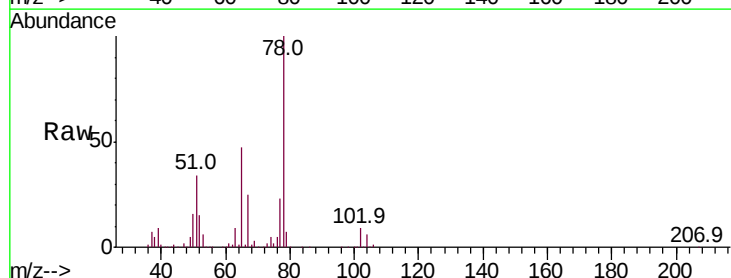
Manual Integrations
APPROVED

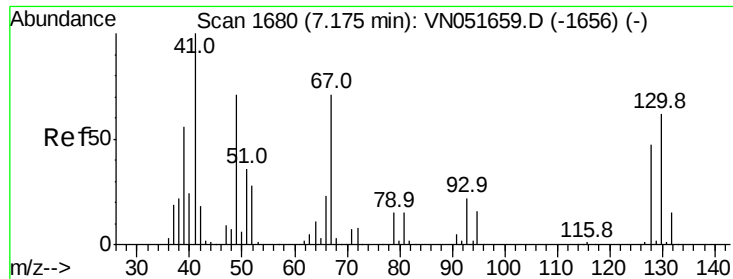
MMDadoda
10/8/2018 12:50:22 PM



#40
Benzene
Concen: 19.470 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.5	27.7	





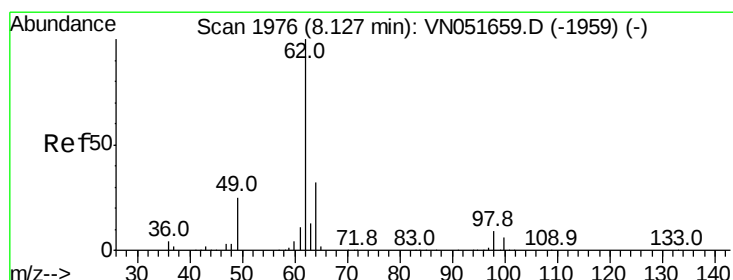
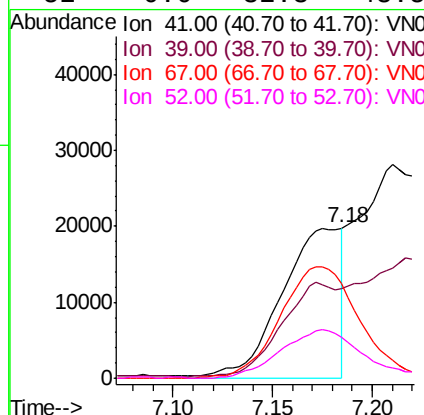
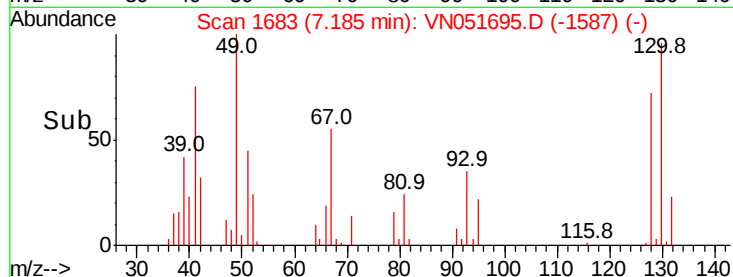
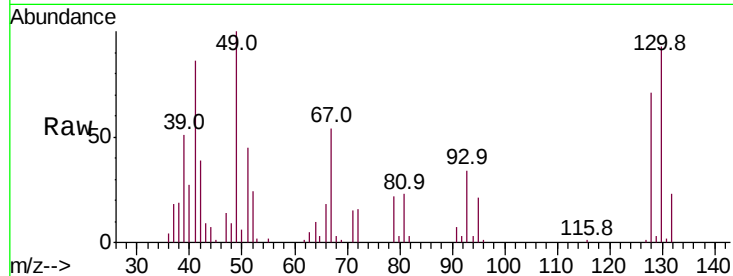
#41
Methacrylonitrile
Concen: 19.663 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.9	80.9#
67	0.0	78.1	117.1#
52	0.0	32.3	48.5#

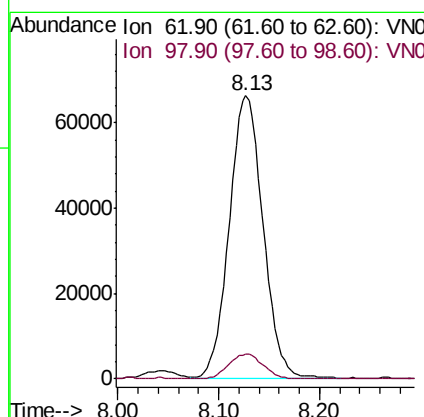
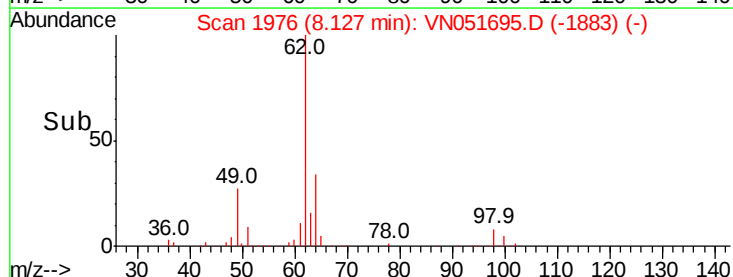
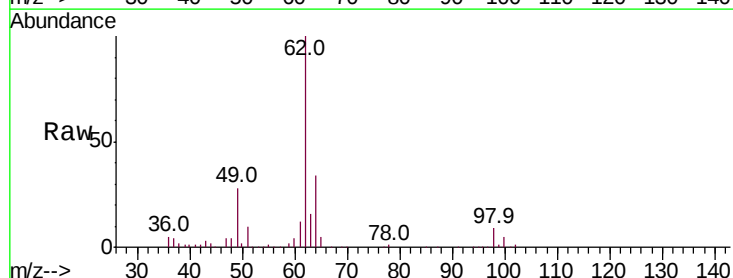
Manual Integrations
APPROVED

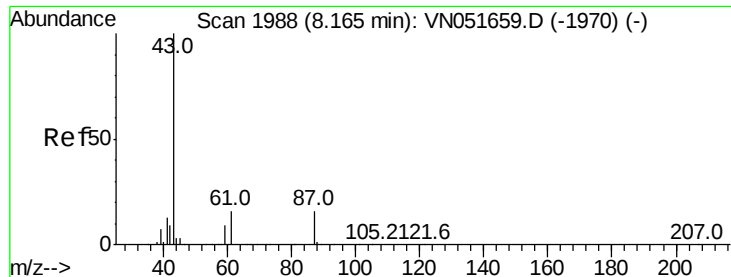
MMDadoda
10/8/2018 12:50:22 PM



#42
1,2-Dichloroethane
Concen: 19.769 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





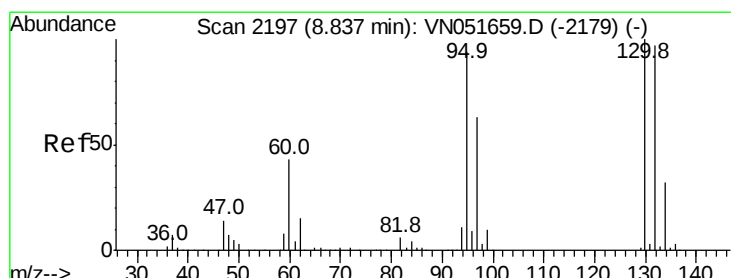
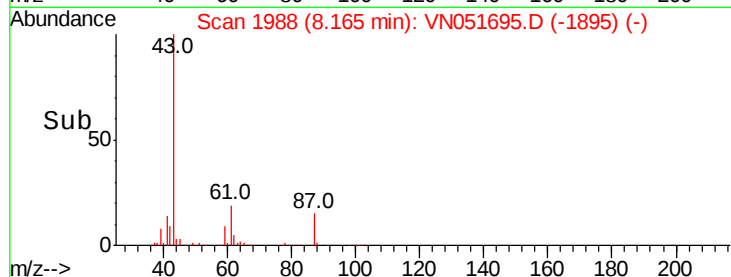
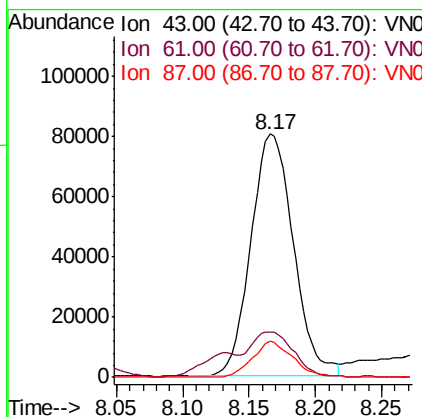
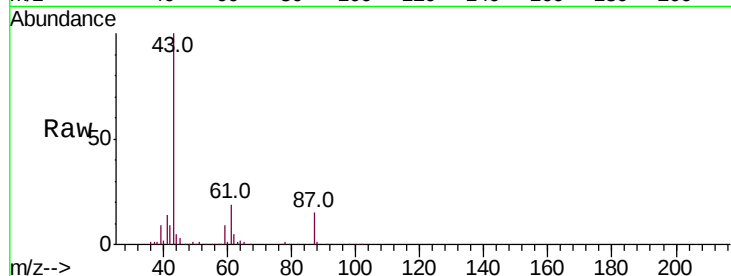
#43
Isopropyl Acetate
Concen: 21.288 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampled :
VN1006MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.8	23.6
87	14.2	12.6	19.0

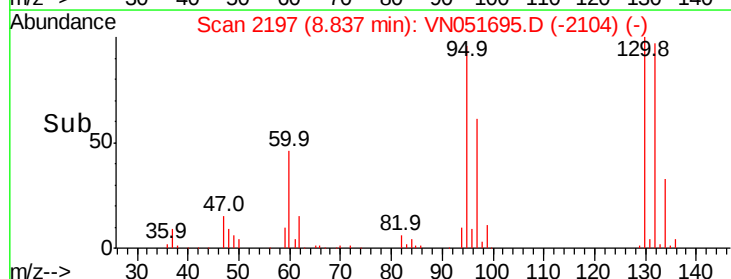
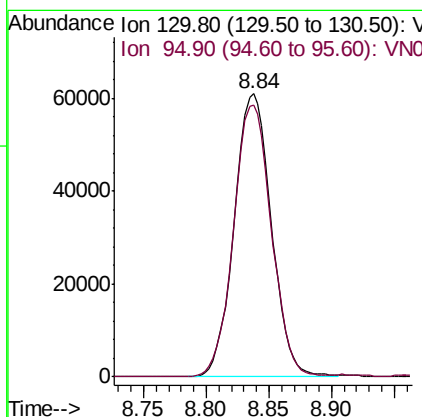
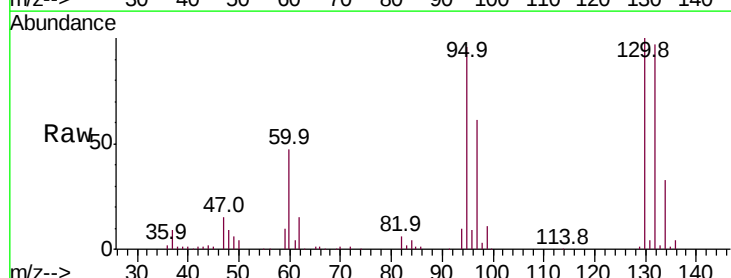
Manual Integrations
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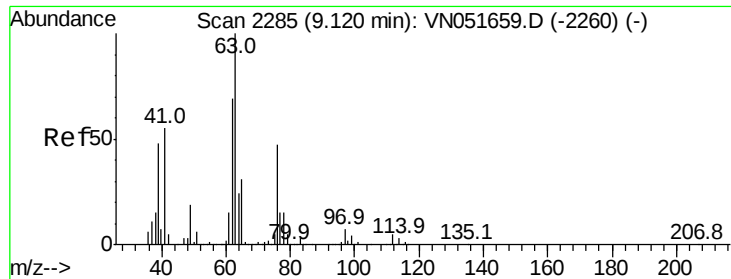
MMDadoda
10/8/2018 12:50:22 PM



#44
Trichloroethene
Concen: 19.178 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.593 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBS01

Tot Ion: 63 Resp: 111779

Ion Ratio Lower Upper

63 100

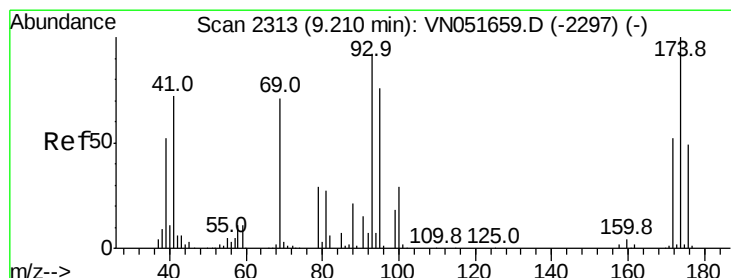
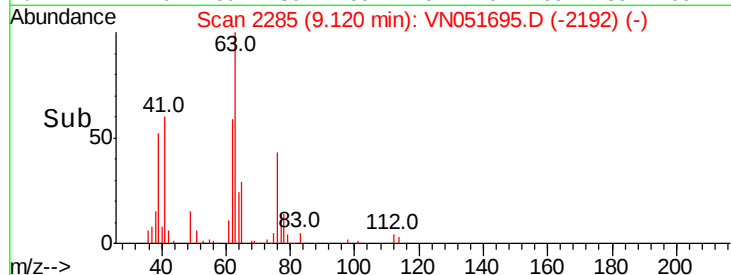
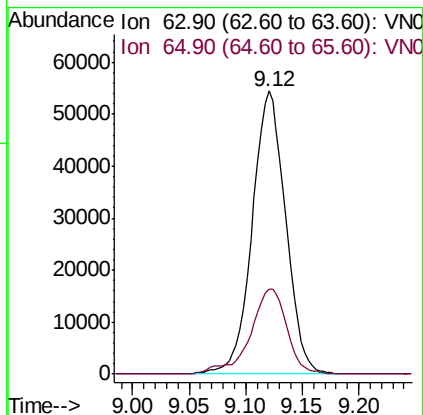
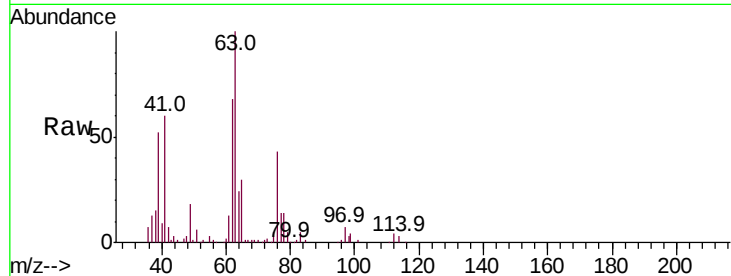
65 30.0 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 19.458 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

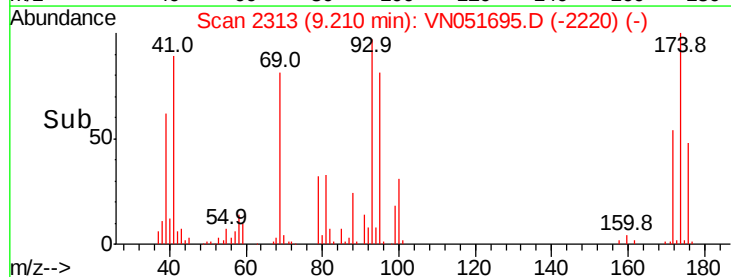
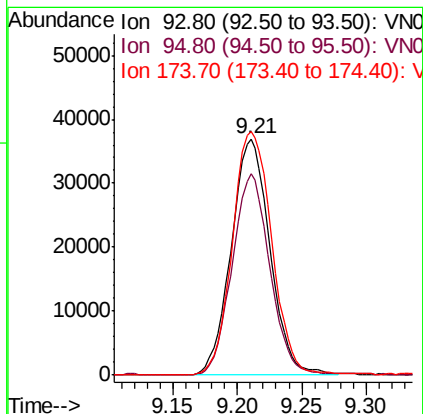
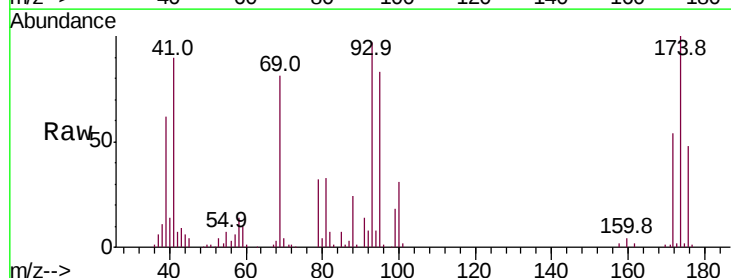
Tgt Ion: 93 Resp: 77159

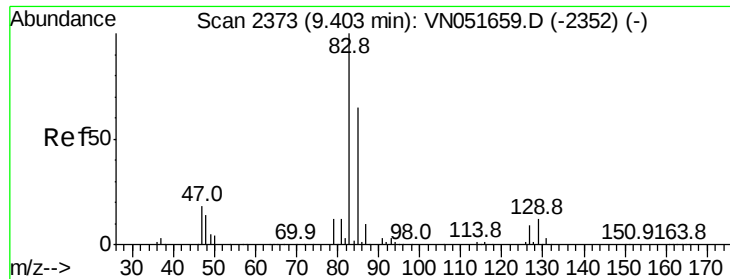
Ion Ratio Lower Upper

93 100

95 82.9 66.6 100.0

174 105.3 85.9 128.9





#47

Bromodichloromethane

Concen: 19.318 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

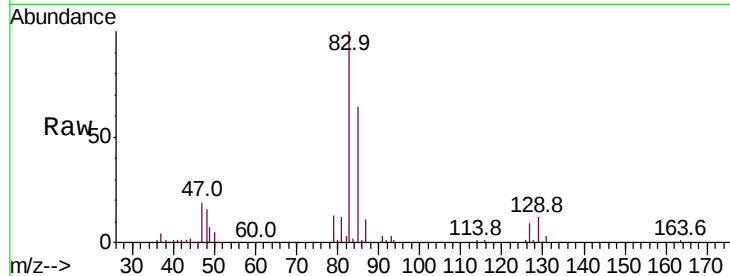
ClientSampleId :

VN1006MBS01

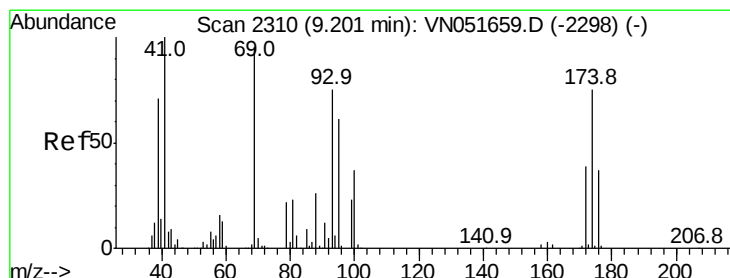
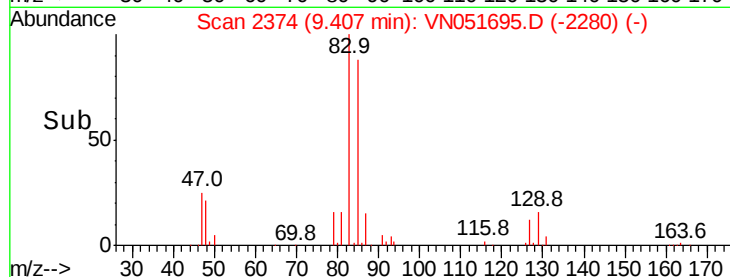
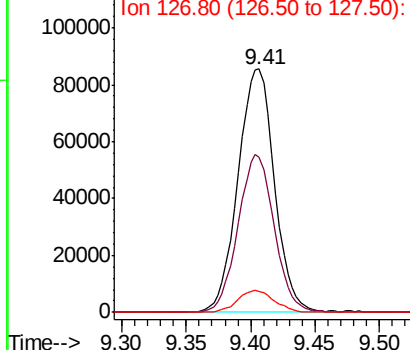
Tot Ion:	83	Resp:	168639
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.6	77.4
127	8.7	7.3	10.9

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



#48

Methyl methacrylate

Concen: 21.303 ug/l

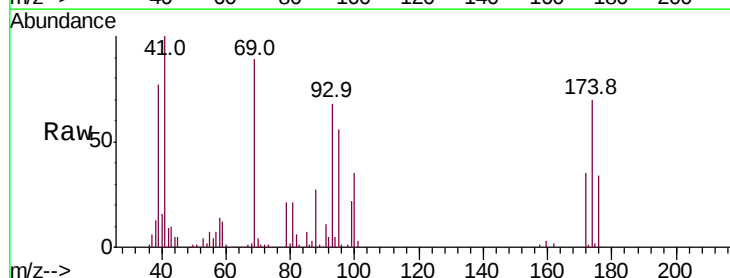
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

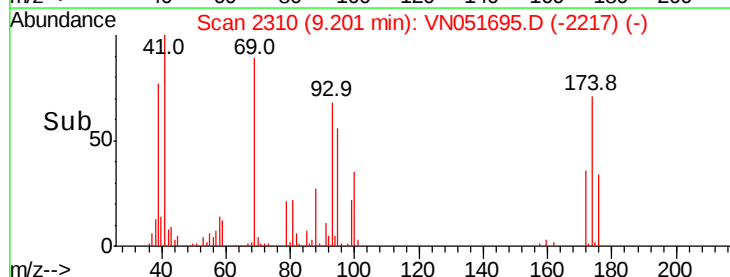
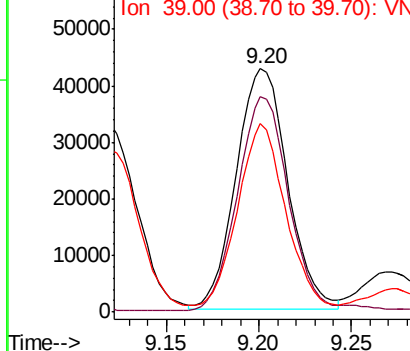
Lab File: VN051695.D

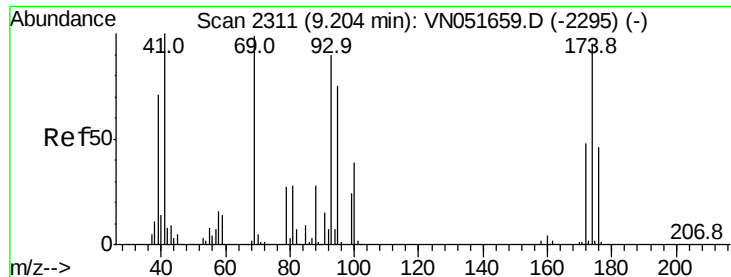
Acq: 5 Oct 2018 19:07

Tgt Ion:	41	Resp:	82392
Ion Ratio	Lower	Upper	
41	100		
69	87.8	78.6	118.0
39	73.3	59.2	88.8



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





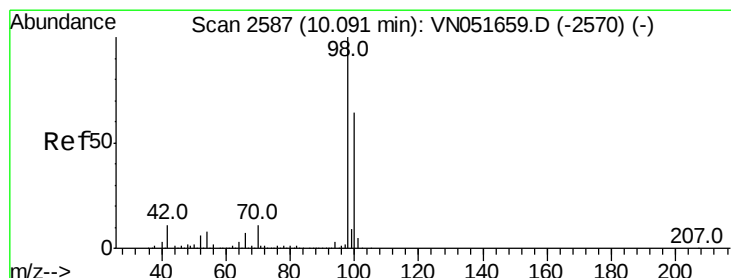
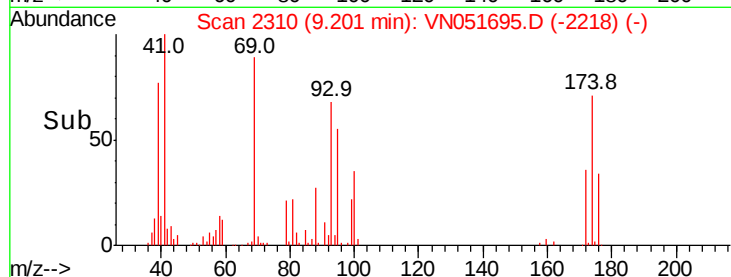
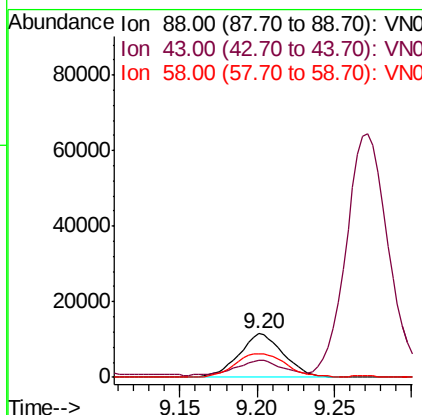
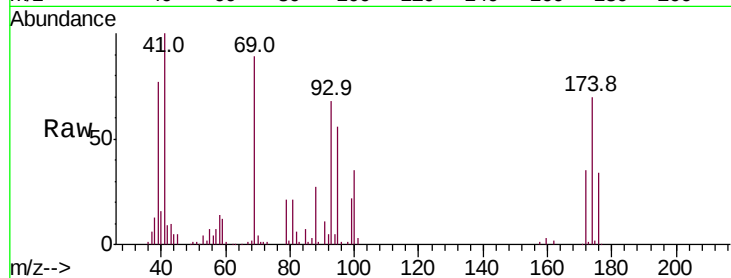
#49
1,4-Dioxane
Concen: 400.419 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	24.5	36.7
58	61.8	47.6	71.4

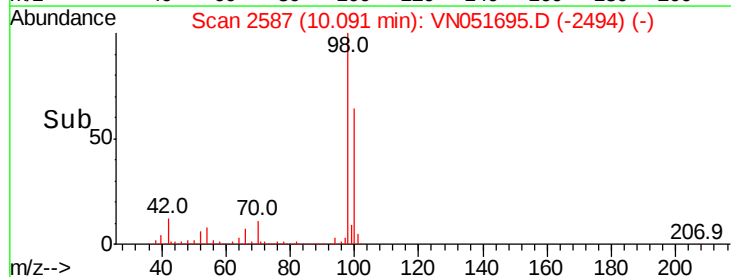
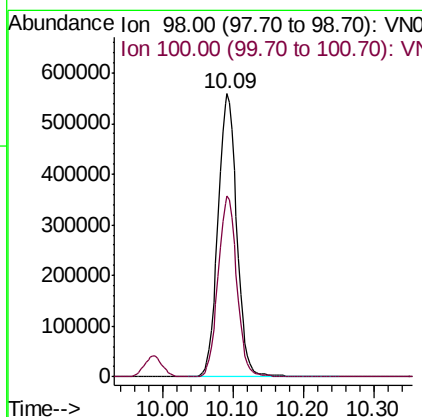
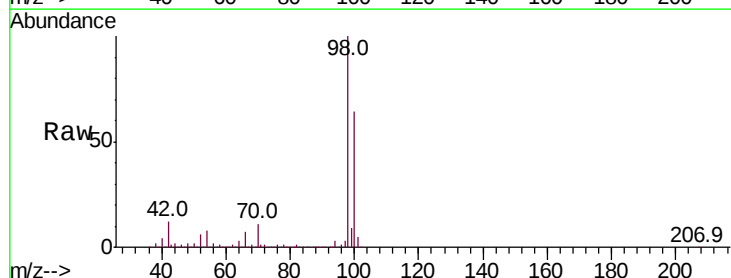
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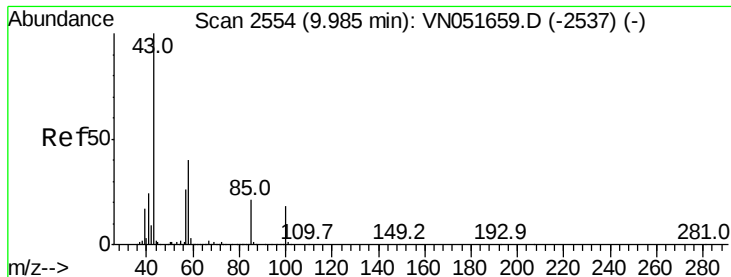
MMDadoda
10/8/2018 12:50:22 PM



#50
Toluene-d8
Concen: 400.419 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 105.037 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampled :

VN1006MBS01

Tot Ion: 43 Resp: 450505

Ion Ratio Lower Upper

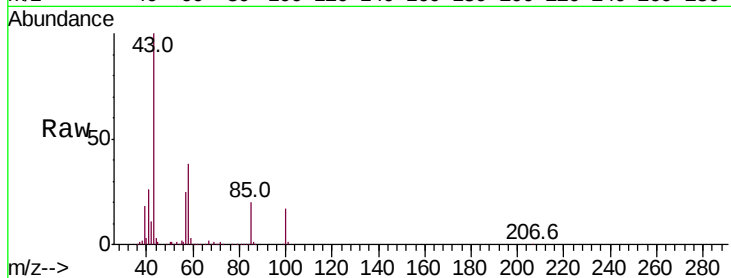
43 100

58 38.3 32.2 48.2

Manual Integrations
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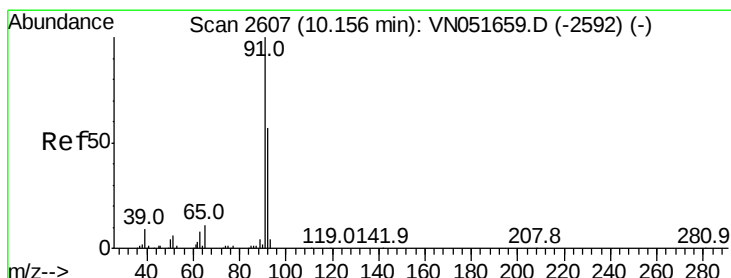
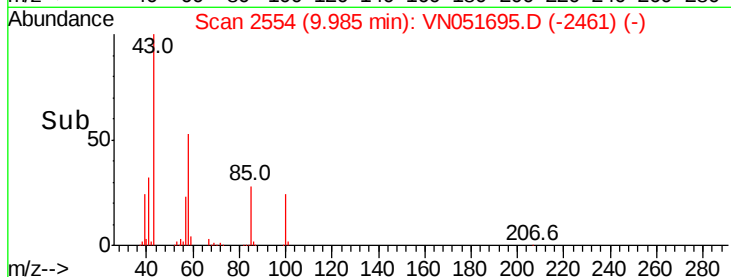
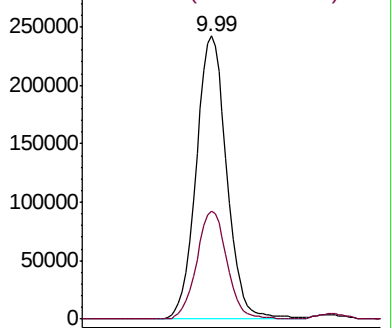
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.861 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051695.D

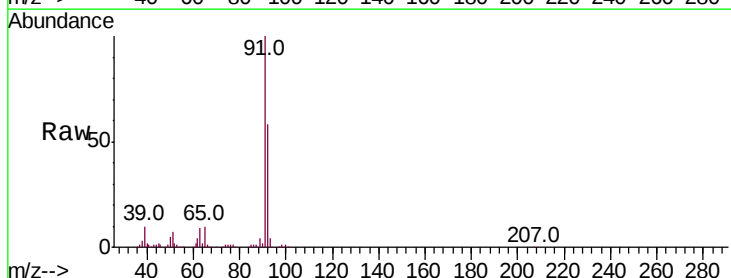
Acq: 5 Oct 2018 19:07

Tgt Ion: 92 Resp: 289462

Ion Ratio Lower Upper

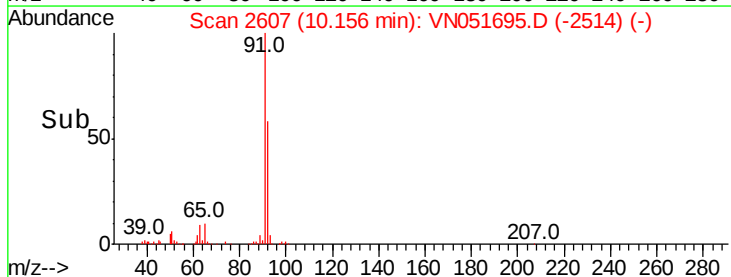
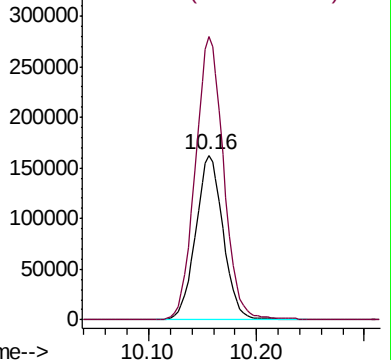
92 100

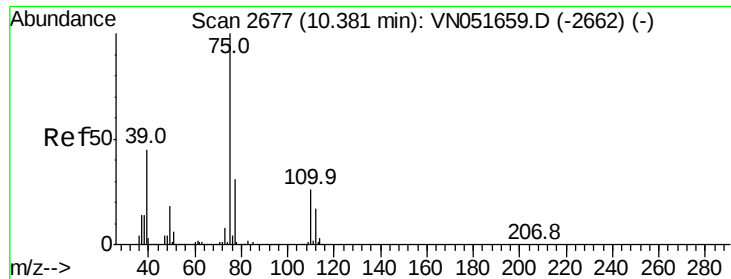
91 176.2 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 17.975 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampled :

VN1006MBS01

Tot Ion: 75 Resp: 161916

Ion Ratio Lower Upper

75 100

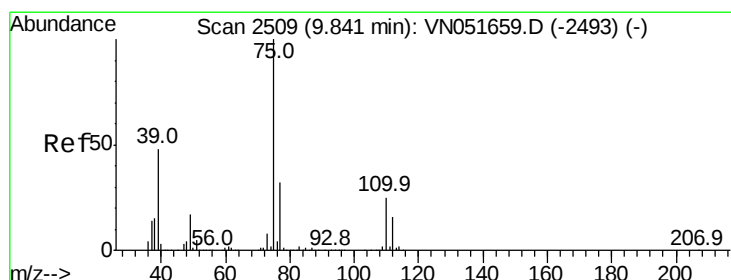
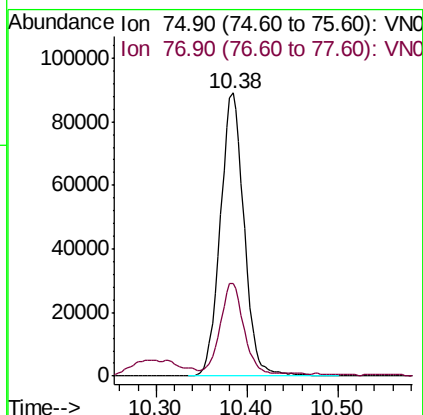
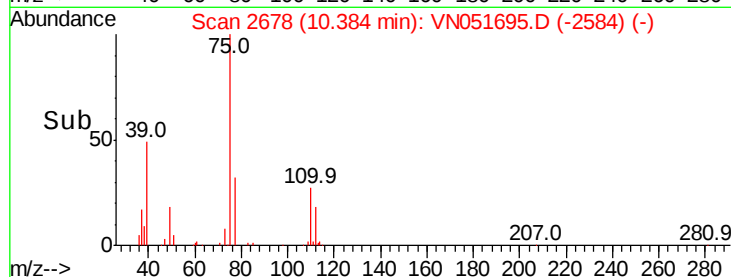
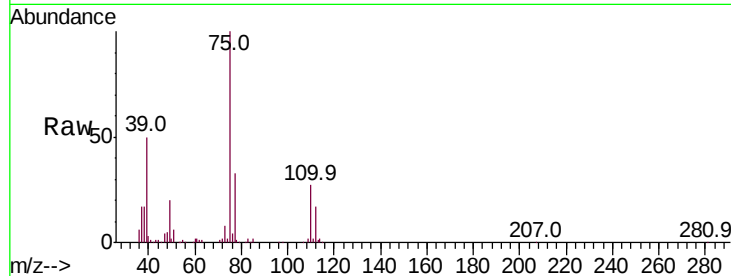
77 32.2 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 18.575 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

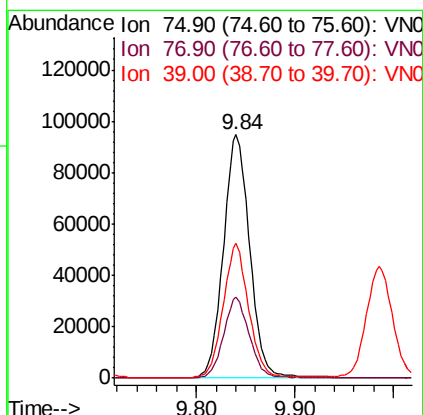
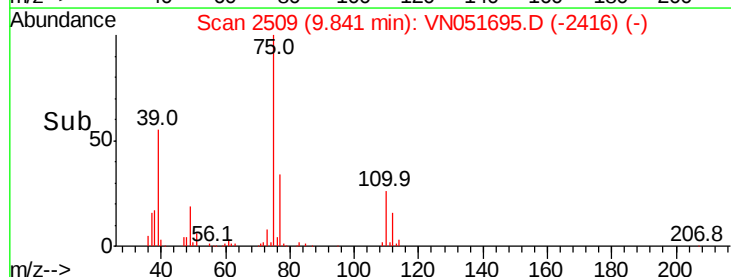
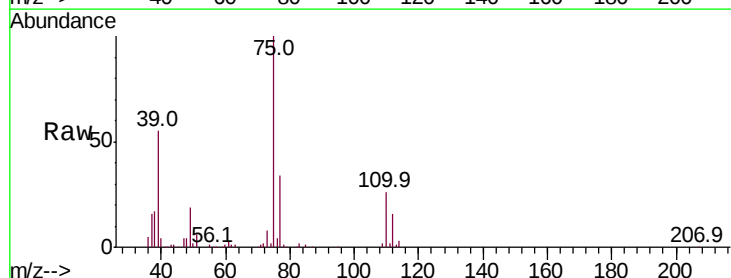
Tgt Ion: 75 Resp: 177675

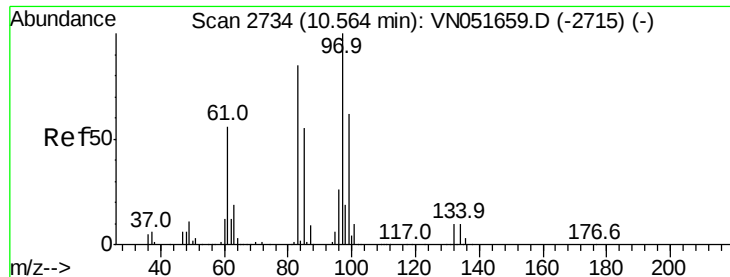
Ion Ratio Lower Upper

75 100

77 33.5 25.7 38.5

39 55.0 38.1 57.1





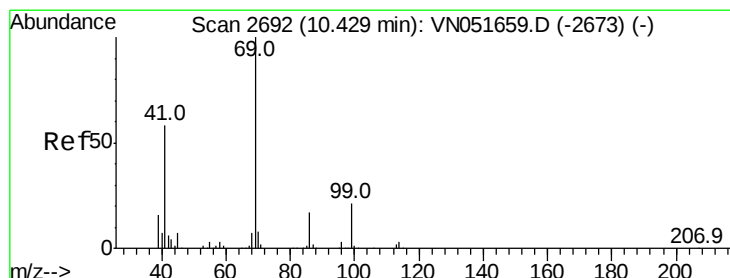
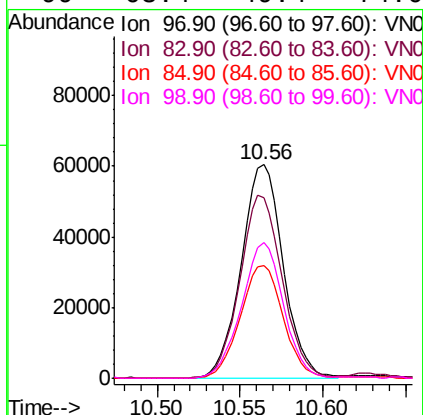
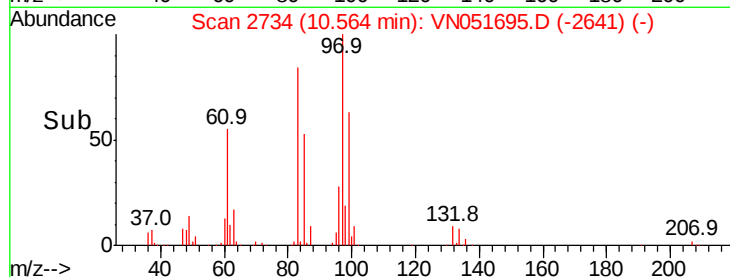
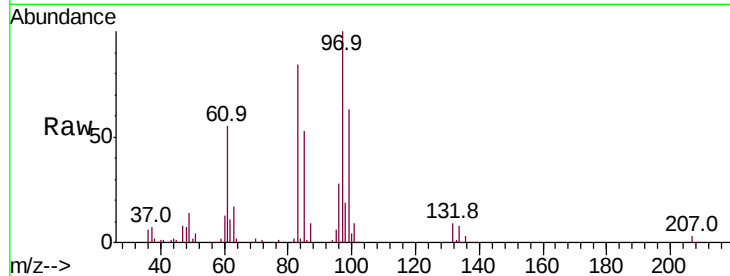
#55
 1,1,2-Trichloroethane
 Concen: 19.507 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051695.D
 Acq: 5 Oct 2018 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.1	102.1
85	53.0	43.6	65.4
99	63.4	49.4	74.0

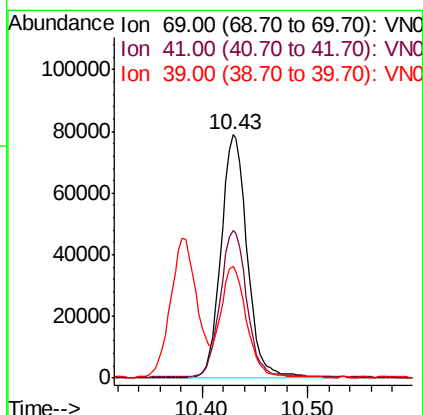
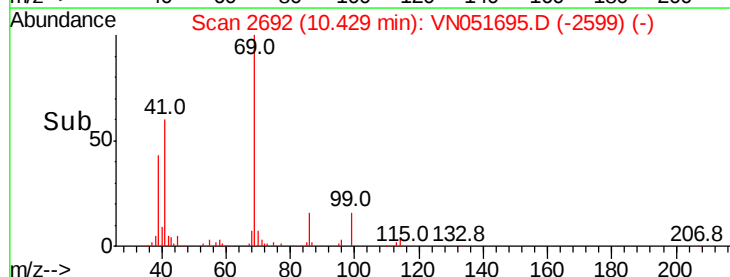
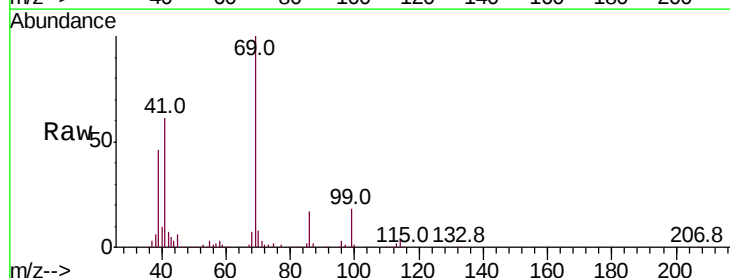
Manual Integrations
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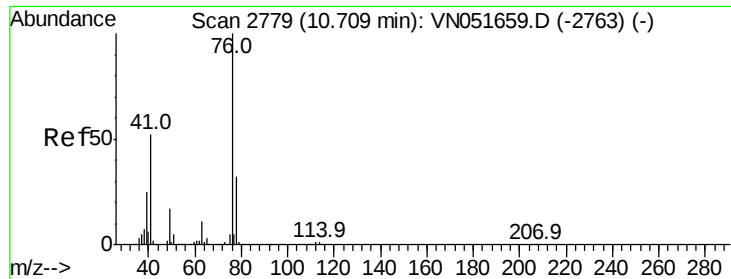
MMDadoda
 10/8/2018 12:50:22 PM



#56
 Ethyl methacrylate
 Concen: 19.632 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051695.D
 Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.2	46.4	69.6
39	45.1	32.4	48.6





#57

1,3-Dichloropropane

Concen: 19.726 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampled :

VN1006MBS01

Tot Ion: 76 Resp: 170695

Ion Ratio Lower Upper

76 100

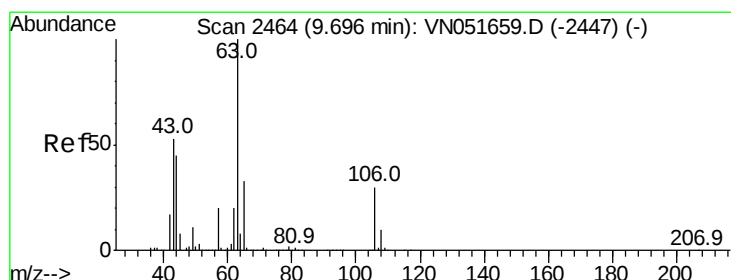
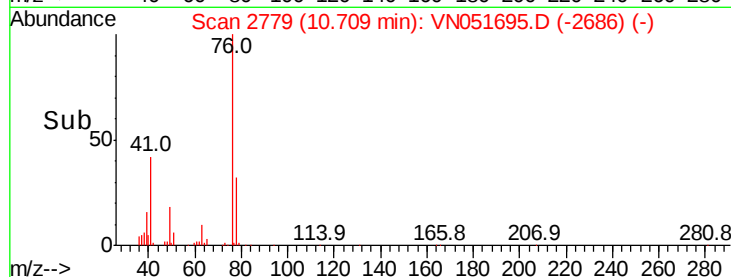
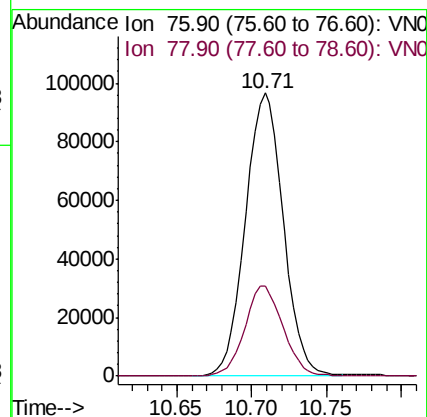
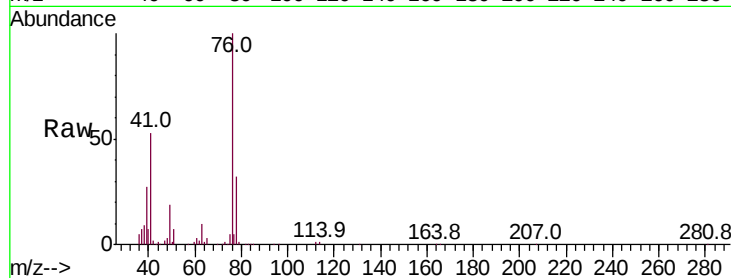
78 32.2 26.0 39.0

Manual Integrations

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10/8/2018 12:50:22 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.002 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051695.D

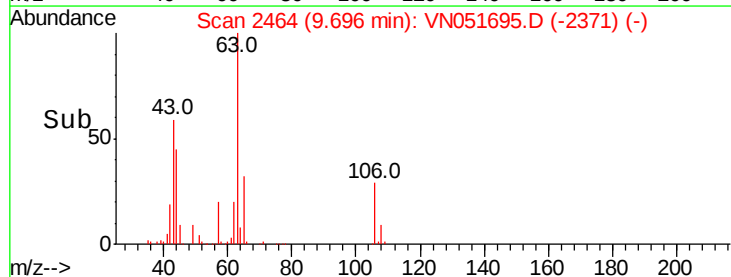
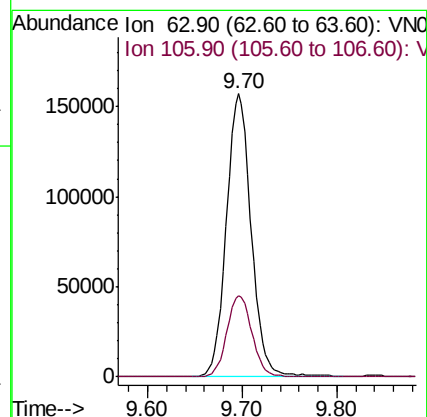
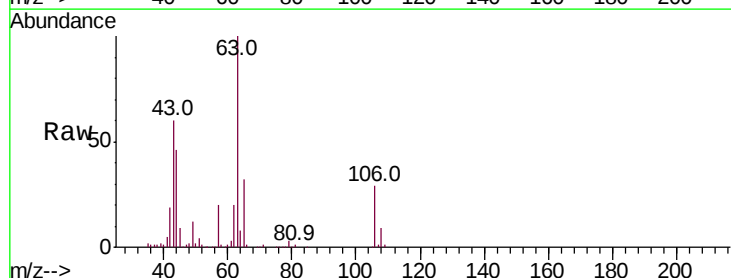
Acq: 5 Oct 2018 19:07

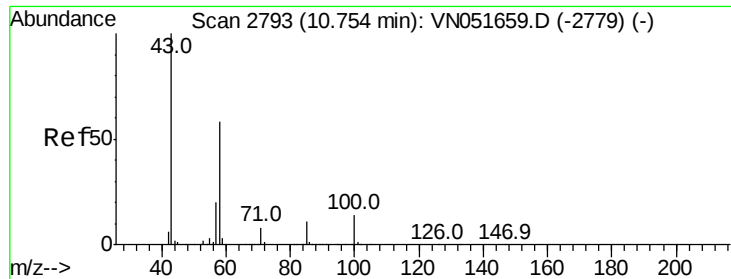
Tgt Ion: 63 Resp: 286152

Ion Ratio Lower Upper

63 100

106 29.2 24.3 36.5





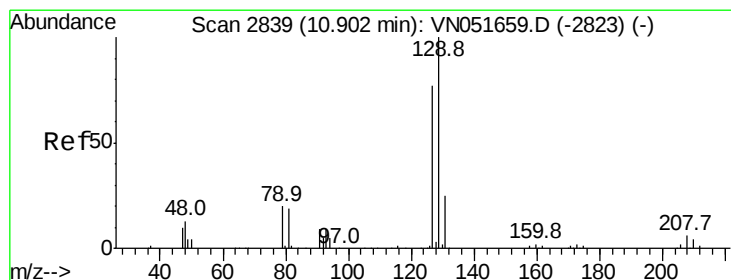
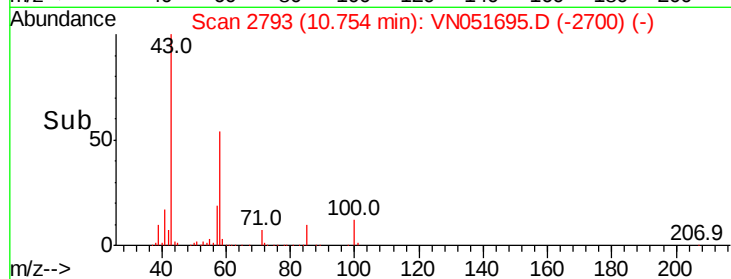
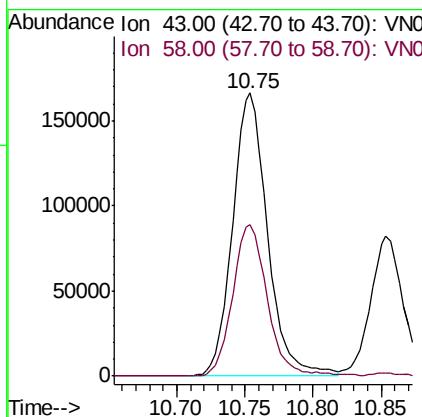
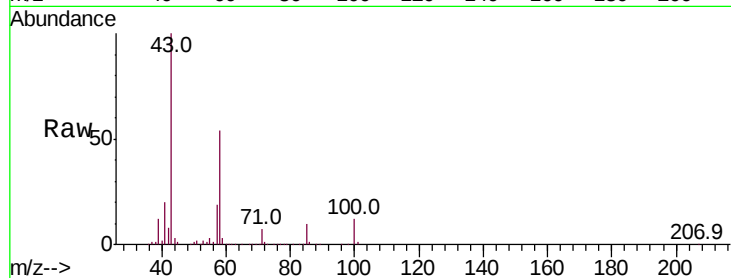
#59
2-Hexanone
Concen: 100.383 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBS01

Tot Ion	43	58	Ratio	100	53.8	Resp	292398	Lower	28.8	Upper	86.4
Ion	43	58	Ratio	100	53.8	Resp	292398	Lower	28.8	Upper	86.4

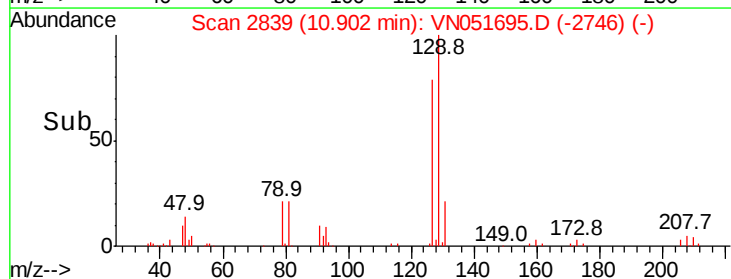
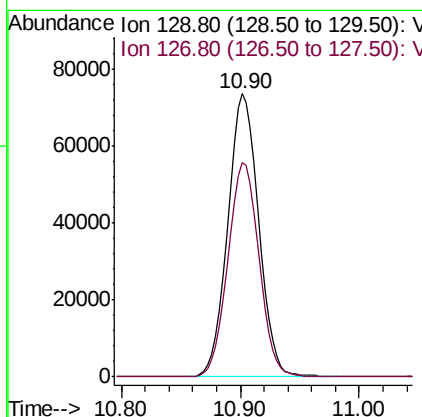
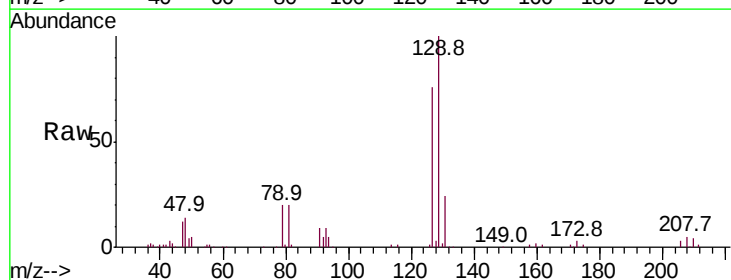
Manual Integrations
APPROVED

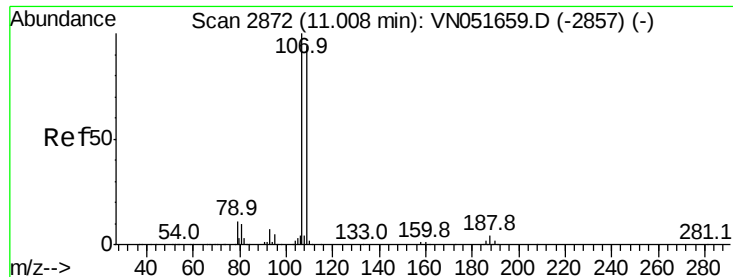
MMDadoda
10/8/2018 12:50:22 PM



#60
Dibromochloromethane
Concen: 18.517 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	129	127	Ratio	100	76.5	Resp	132486	Lower	38.6	Upper	115.7
Ion	129	127	Ratio	100	76.5	Resp	132486	Lower	38.6	Upper	115.7





#61

1,2-Dibromoethane

Concen: 18.574 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBS01

Tot Ion:107 Resp: 107351

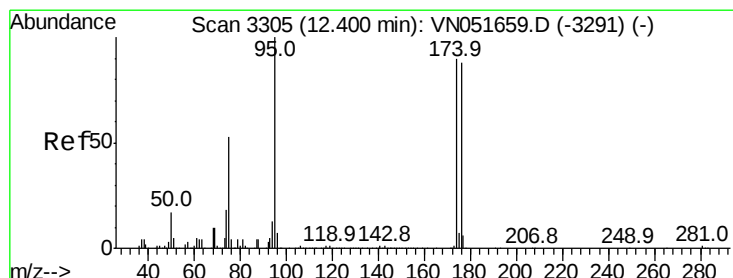
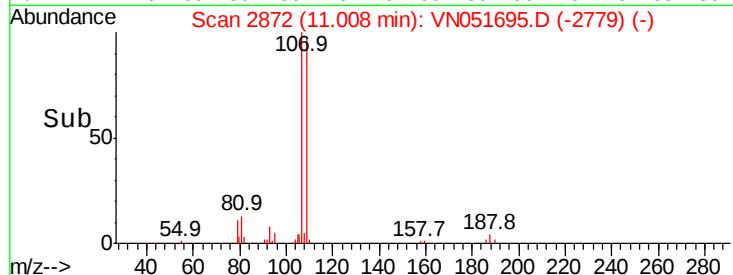
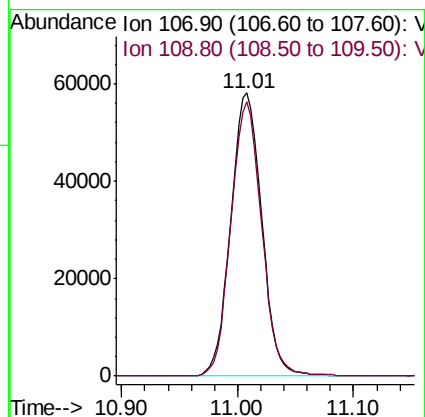
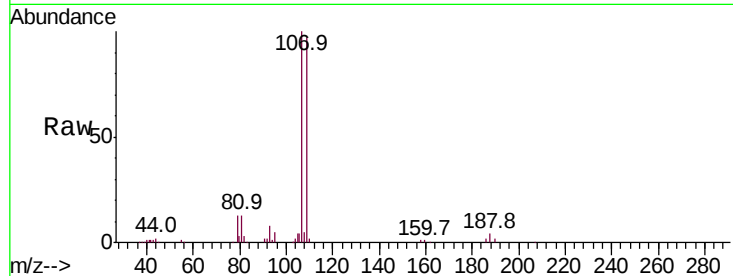
Ion Ratio Lower Upper

107 100

109 95.4 75.4 113.0

Manual Integrations
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MMDadoda
10/8/2018 12:50:22 PM



#62

4-Bromofluorobenzene

Concen: 18.574 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

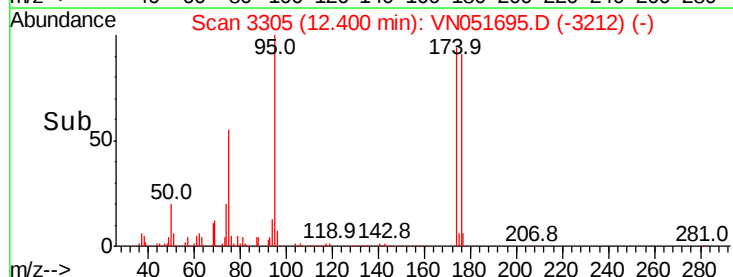
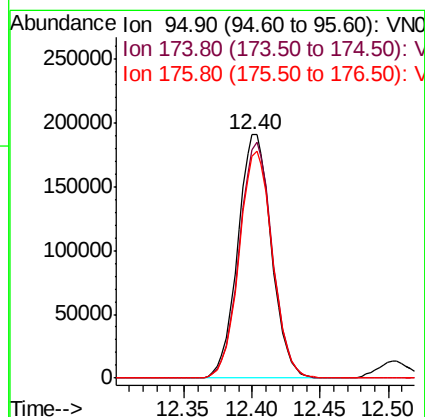
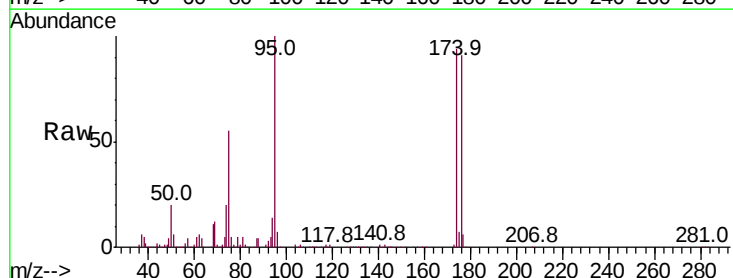
Tgt Ion: 95 Resp: 325599

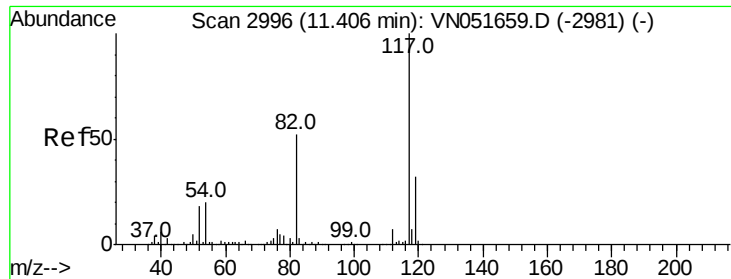
Ion Ratio Lower Upper

95 100

174 95.4 0.0 182.8

176 92.7 0.0 176.4





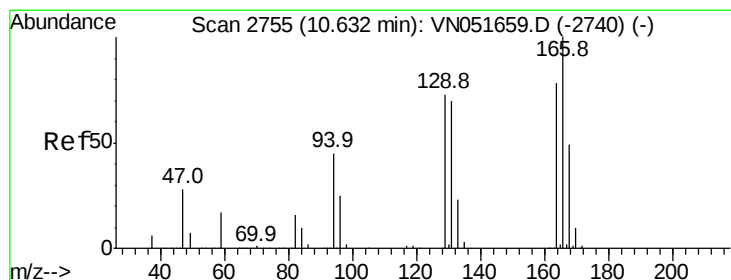
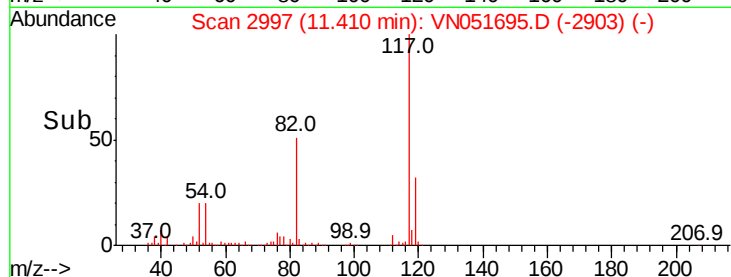
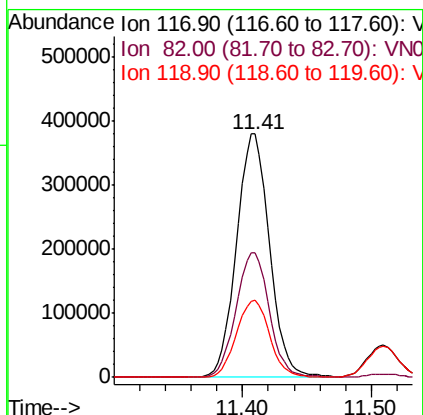
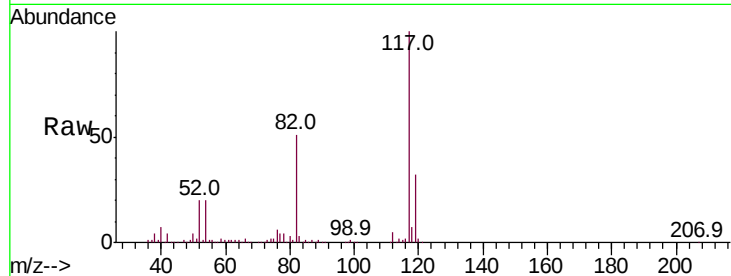
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampled :
VN1006MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.3	61.9
119	31.6	25.9	38.9

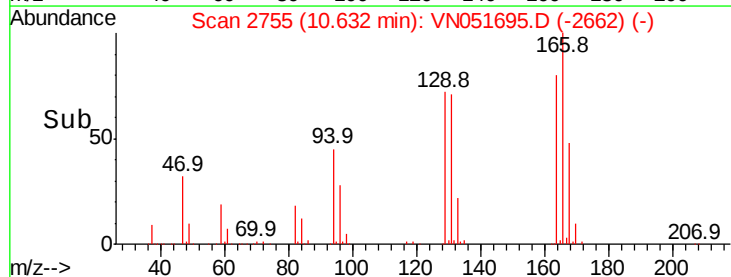
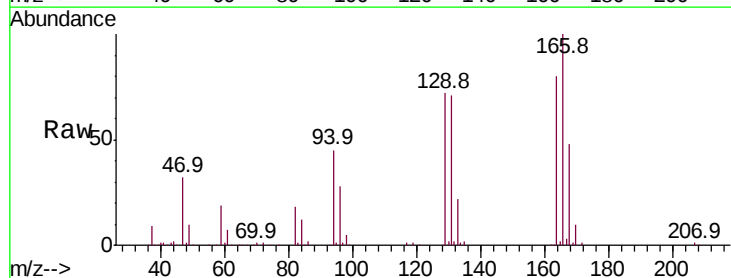
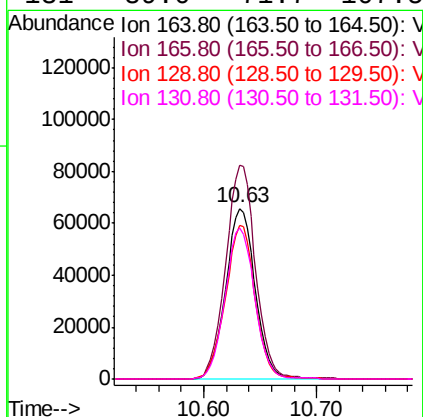
Manual Integrations
APPROVED

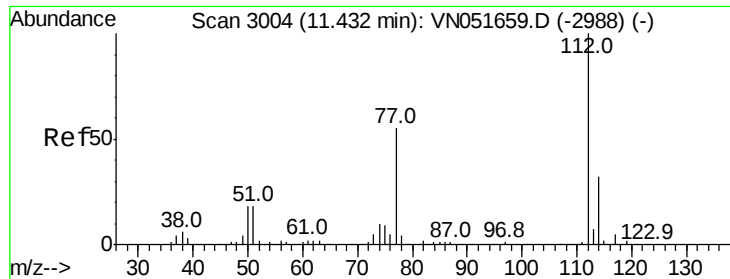
MMDadoda
10/8/2018 12:50:22 PM



#64
Tetrachloroethene
Concen: 19.897 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	103.0	154.6
129	90.3	75.2	112.8
131	89.0	71.7	107.5





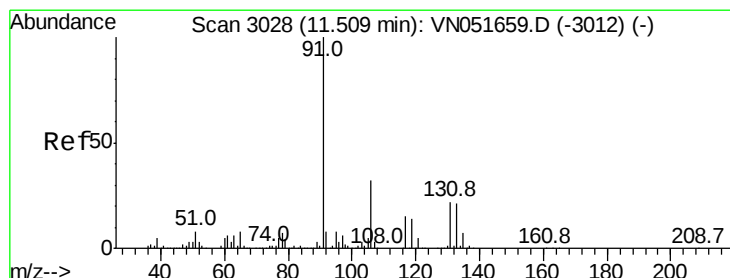
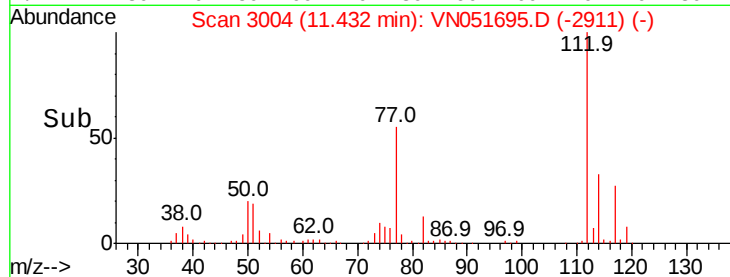
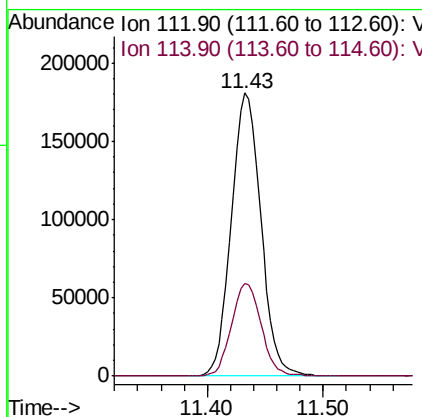
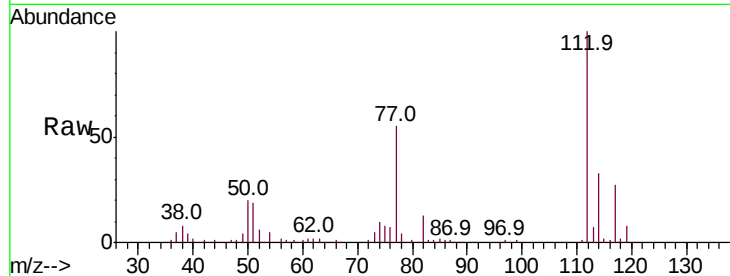
#65
Chlorobenzene
Concen: 18.981 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampled :
VN1006MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.9	38.9

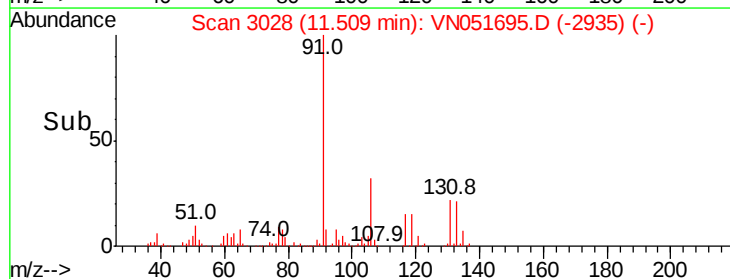
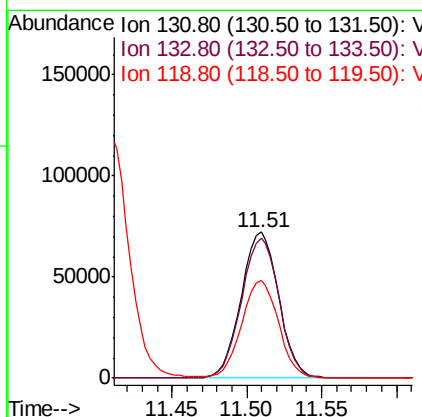
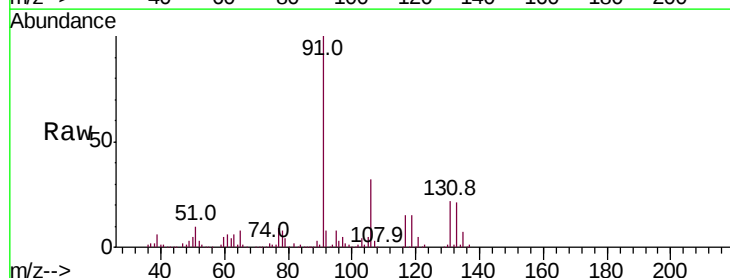
Manual Integrations
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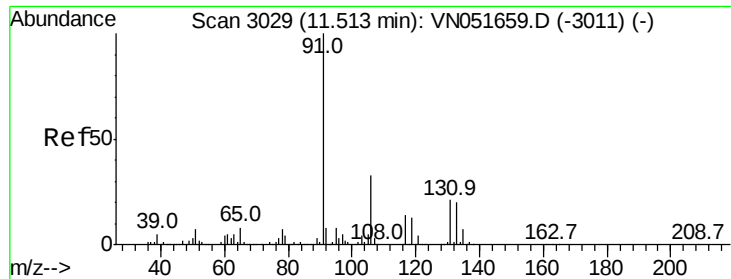
MMDadoda
10/8/2018 12:50:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.723 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.6	142.8
119	66.0	32.0	96.0





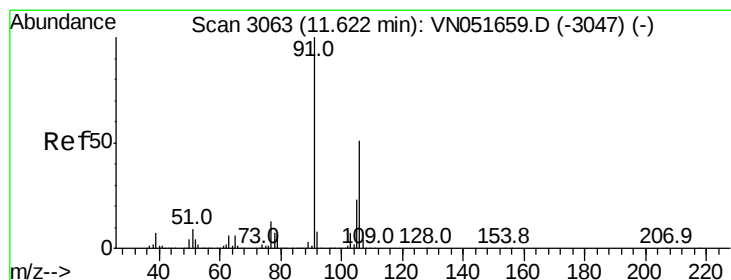
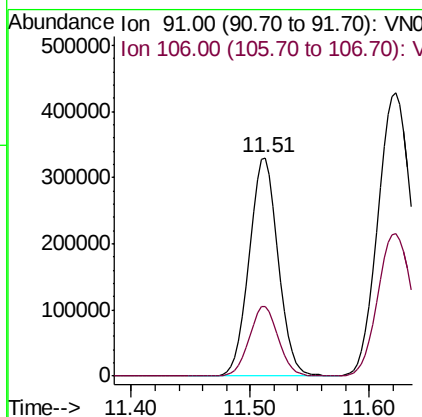
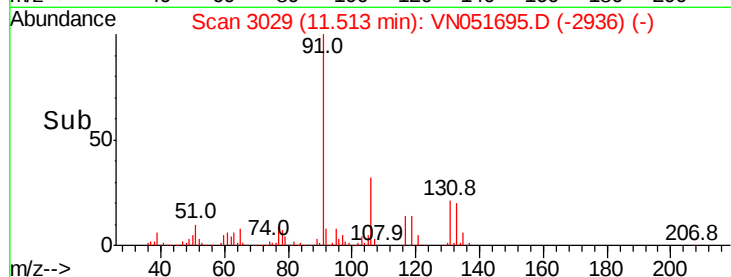
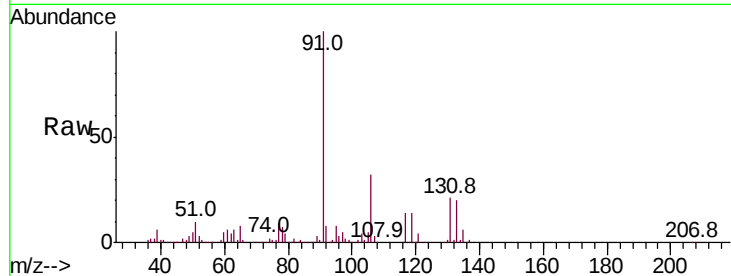
#67
Ethyl Benzene
Concen: 19.194 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampled :
VN1006MBS01

Tot Ion: 91 Resp: 556884
Ion Ratio Lower Upper
91 100
106 32.0 26.0 39.0

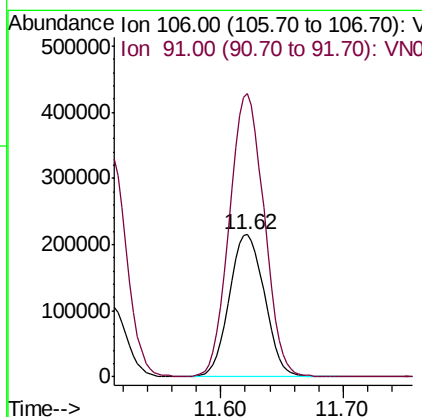
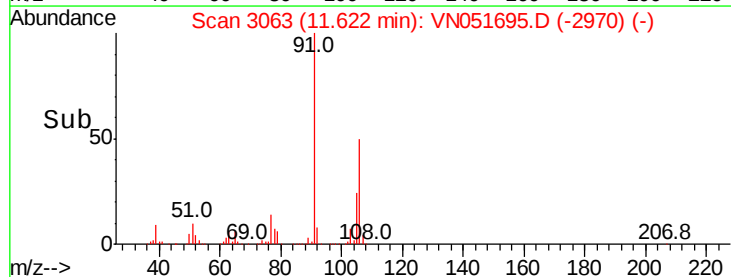
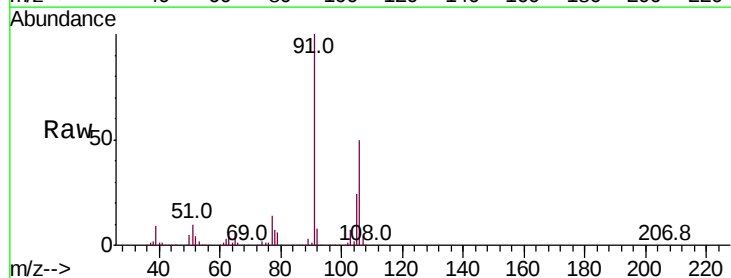
Manual Integrations
APPROVED

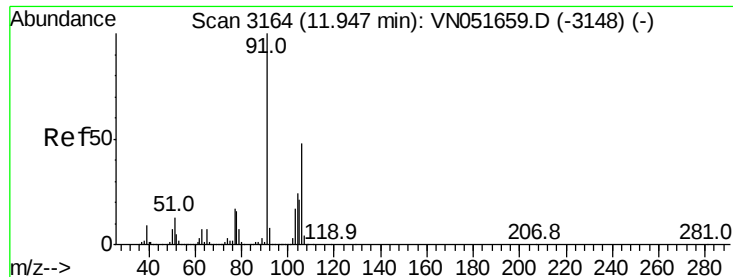
MMDadoda
10/8/2018 12:50:22 PM



#68
m/p-Xylenes
Concen: 37.343 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion: 106 Resp: 433509
Ion Ratio Lower Upper
106 100
91 196.0 158.4 237.6





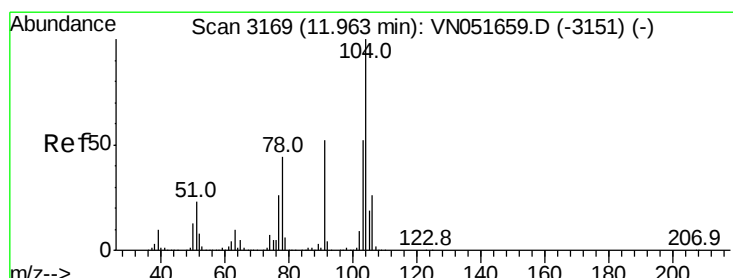
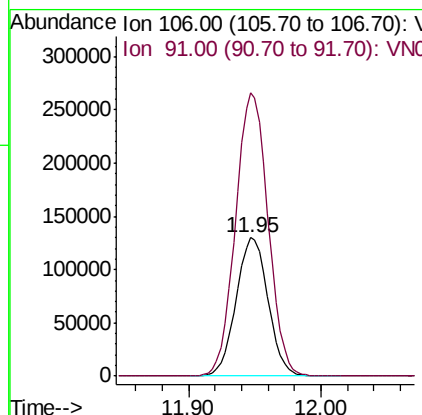
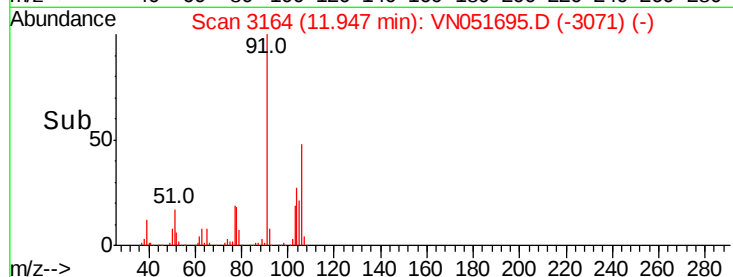
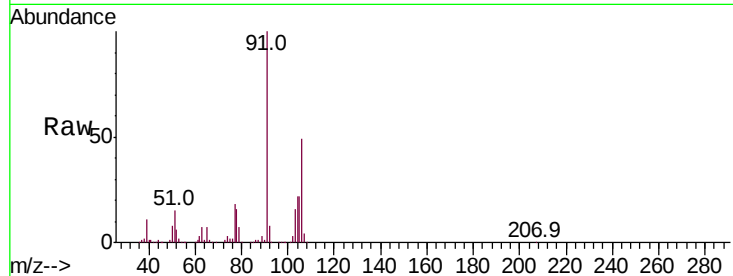
#69
o-Xylene
Concen: 19.112 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.2	104.4	313.2

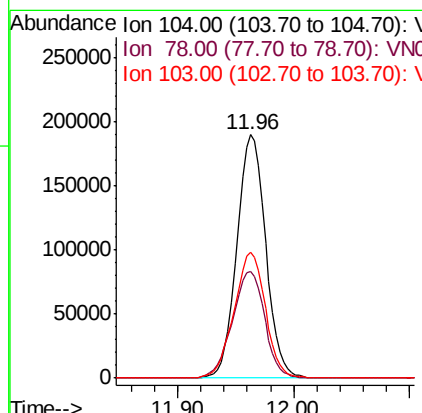
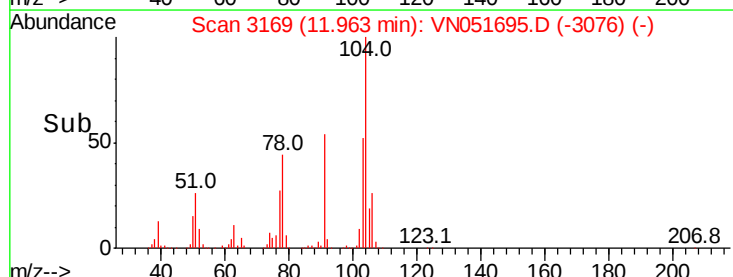
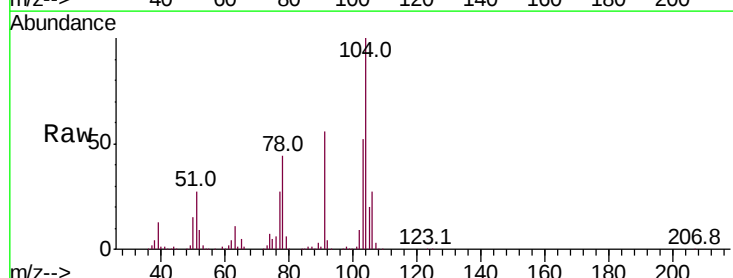
Manual Integrations
APPROVED

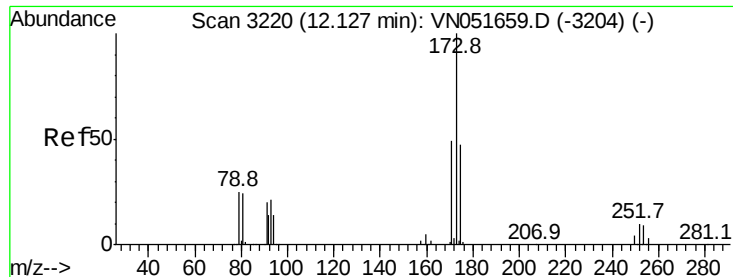
MMDadoda
10/8/2018 12:50:22 PM



#70
Styrene
Concen: 17.989 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.3	58.9
103	56.3	45.0	67.6





#71

Bromoform

Concen: 17.596 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBS01

Tot Ion:173 Resp: 87968

Ion Ratio Lower Upper

173 100

175 47.7 24.0 72.0

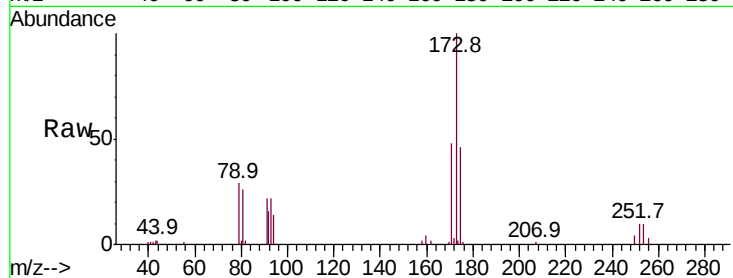
254 0.0 0.1 0.1#

Manual Integrations

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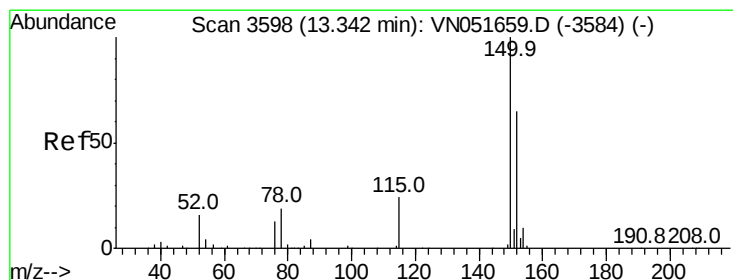
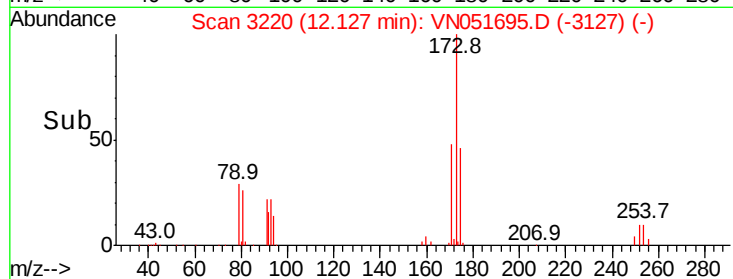
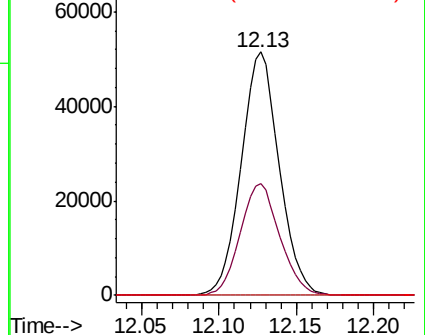
10/8/2018 12:50:22 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

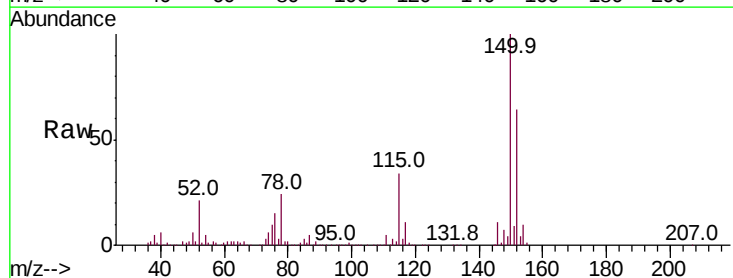
Tgt Ion:152 Resp: 331200

Ion Ratio Lower Upper

152 100

115 54.7 28.6 85.8

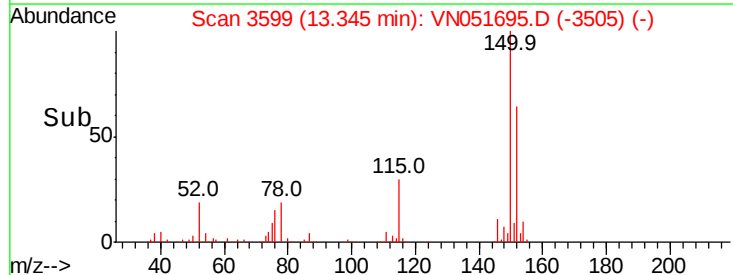
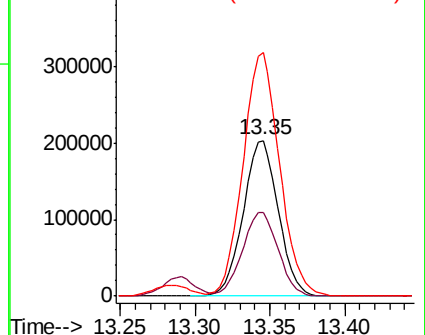
150 163.8 0.0 352.4

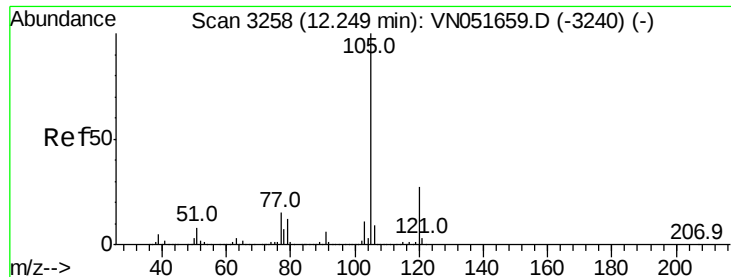


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.396 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBS01

Tot Ion:105 Resp: 575828

Ion Ratio Lower Upper

105 100

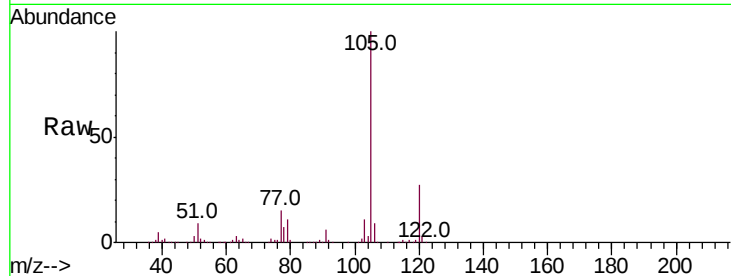
120 27.4 13.9 41.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

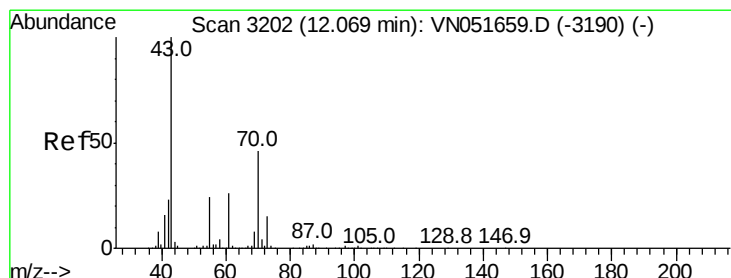
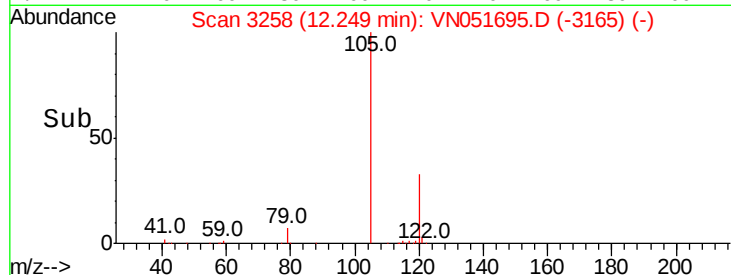
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 21.485 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Tgt Ion: 43 Resp: 136290

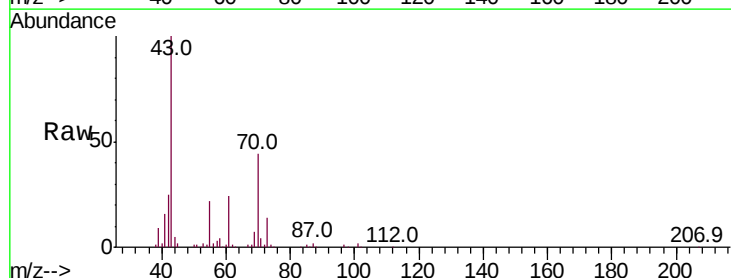
Ion Ratio Lower Upper

43 100

70 43.8 37.1 55.7

55 23.5 19.1 28.7

61 24.3 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

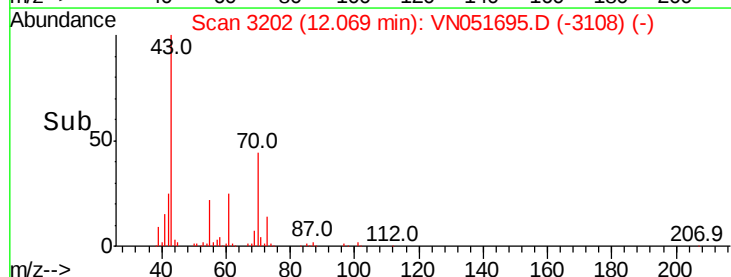
60000

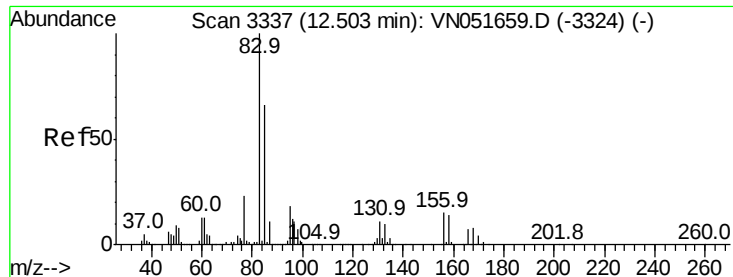
40000

20000

0

Time--> 12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 21.758 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

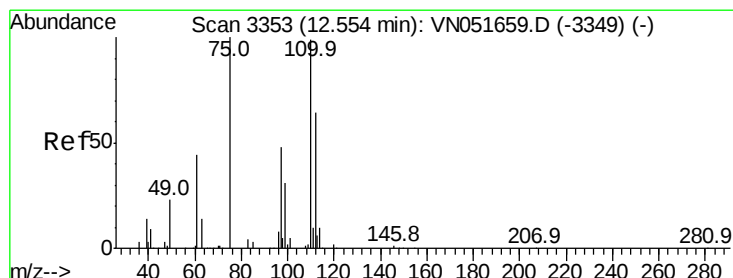
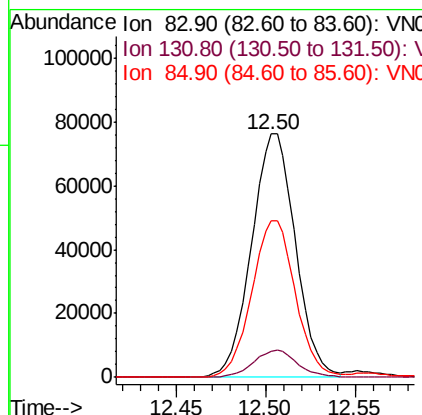
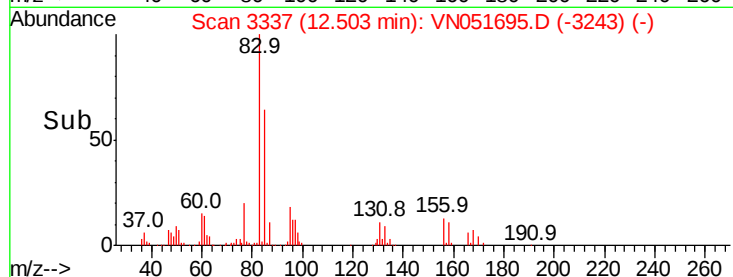
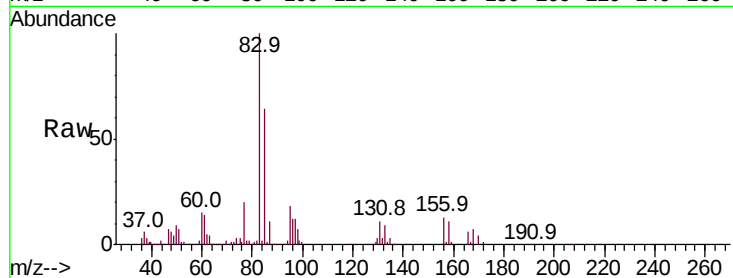
ClientSampleId :

VN1006MBS01

Tot Ion:	83	Resp:	131070
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.1
85	63.9	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.928 ug/l m

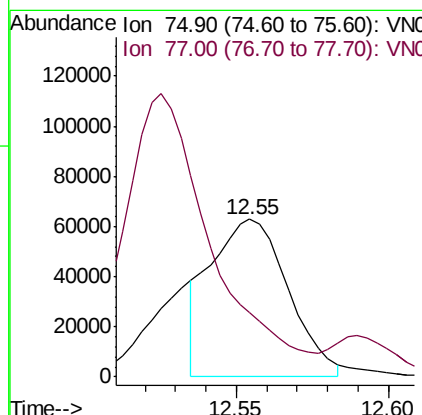
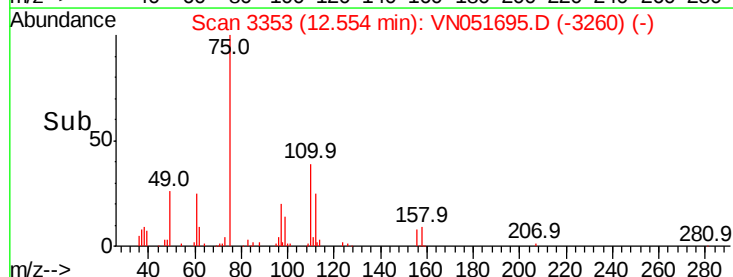
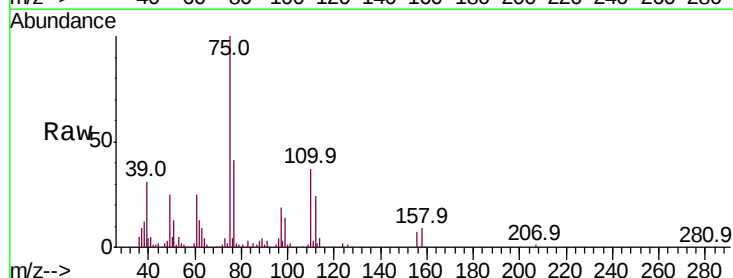
RT: 12.55 min Scan# 3353

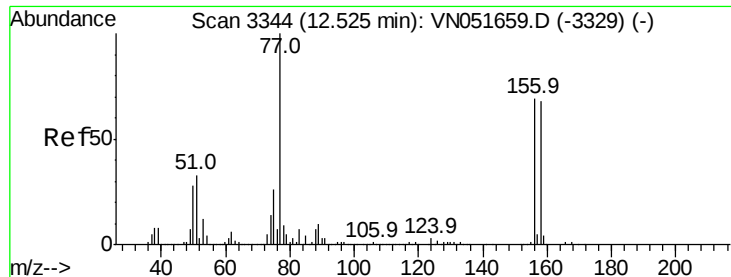
Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Tgt Ion:	75	Resp:	111052
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.417 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

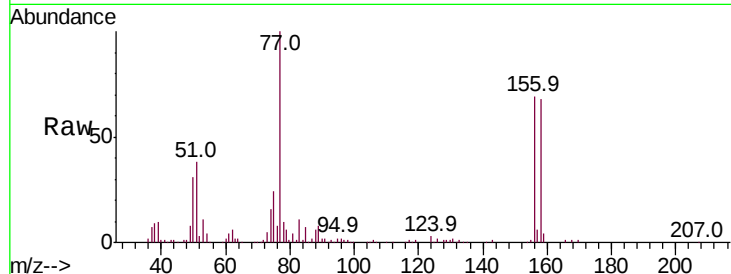
ClientSampleId :

VN1006MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.4	83.2	249.4
158	99.4	49.0	147.2

Manual Integrations
APPROVED

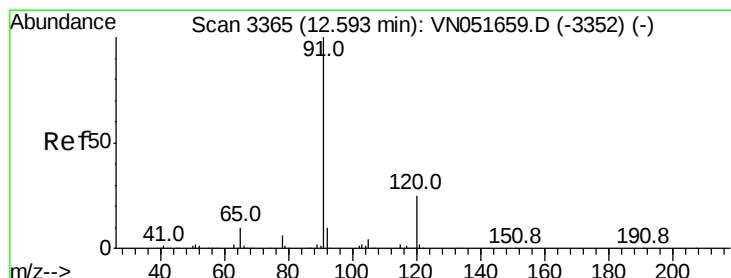
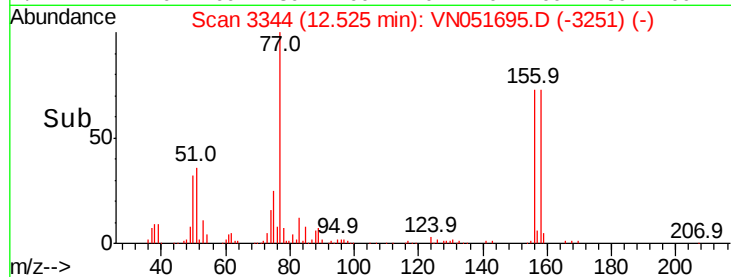
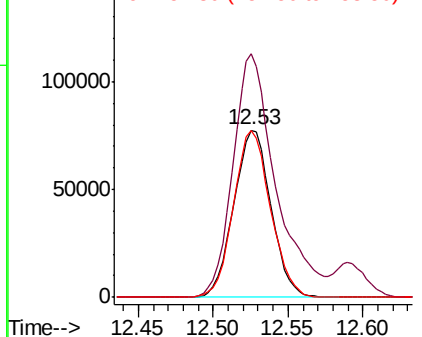
MMDadoda
10/8/2018 12:50:22 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.051 ug/l

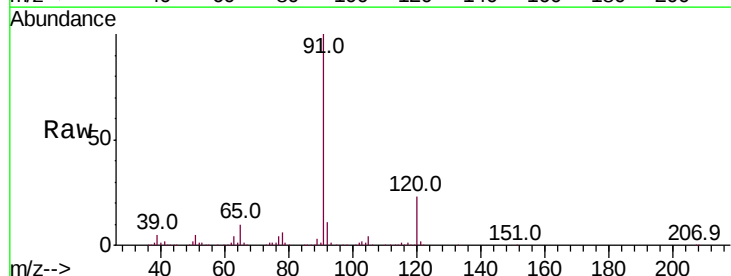
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051695.D

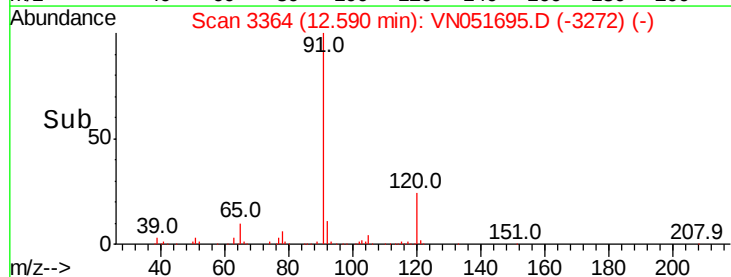
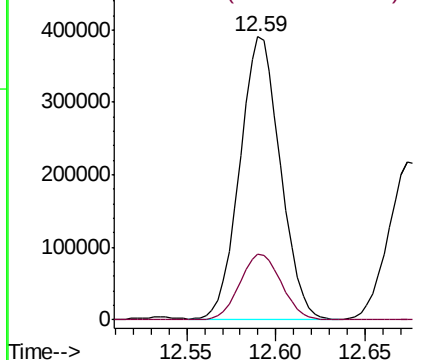
Acq: 5 Oct 2018 19:07

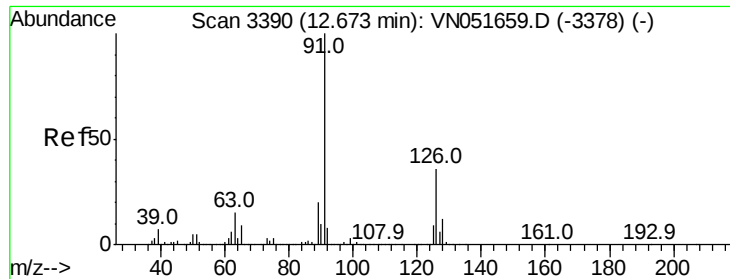
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.4	37.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





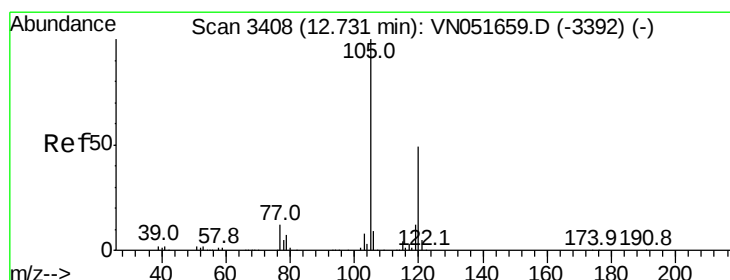
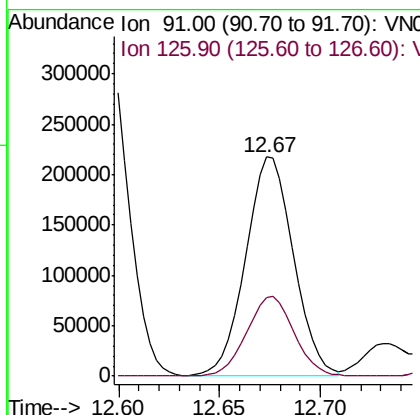
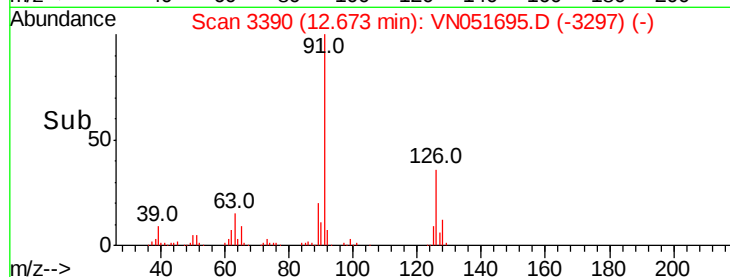
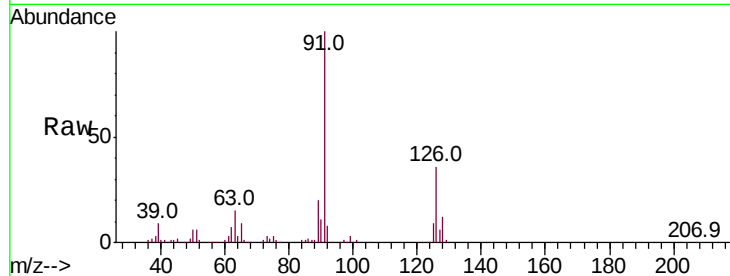
#79
2-Chlorotoluene
Concen: 19.800 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBS01

Tot Ion: 91 Resp: 359336
Ion Ratio Lower Upper
91 100
126 36.3 18.5 55.5

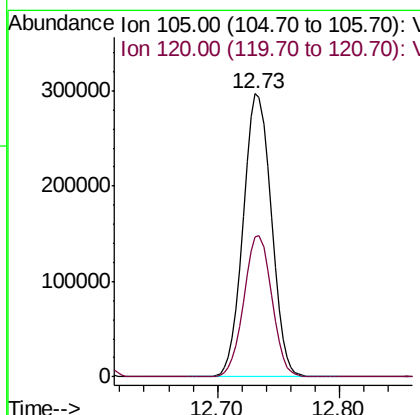
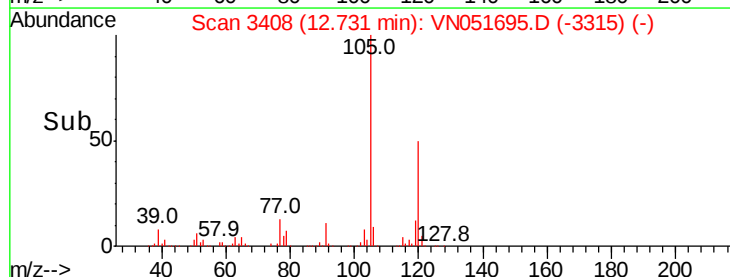
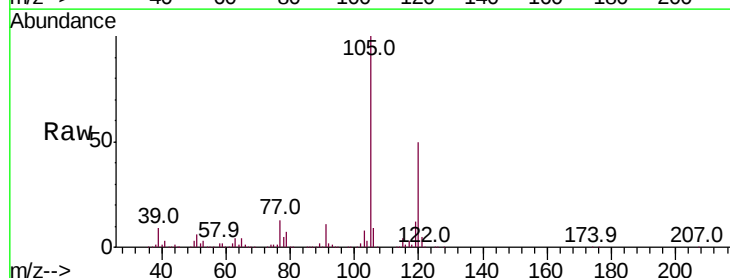
Manual Integrations
APPROVED

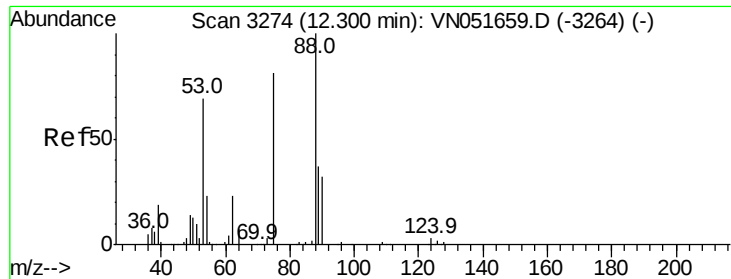
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.786 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion: 105 Resp: 470754
Ion Ratio Lower Upper
105 100
120 49.4 24.6 74.0





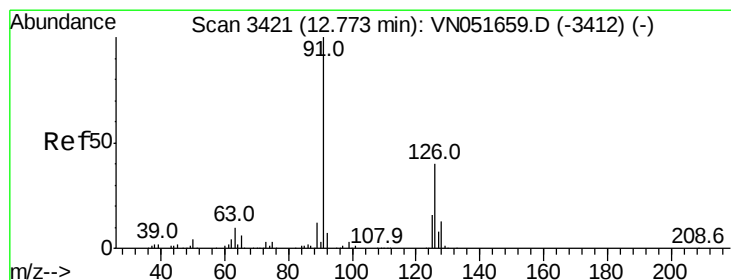
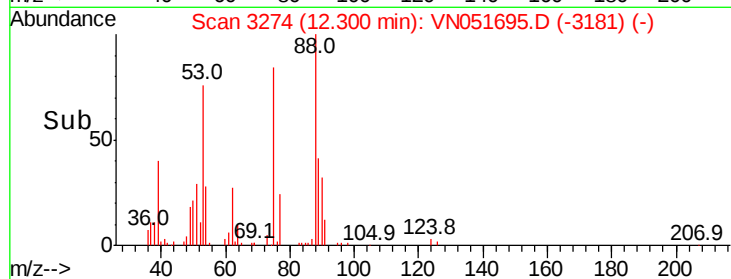
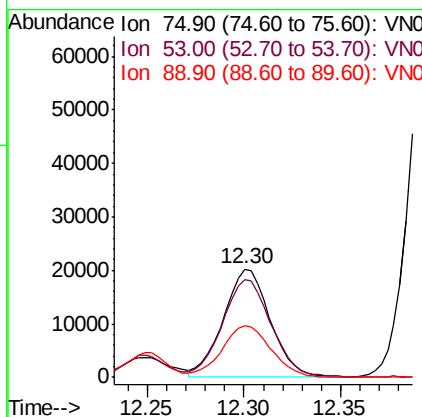
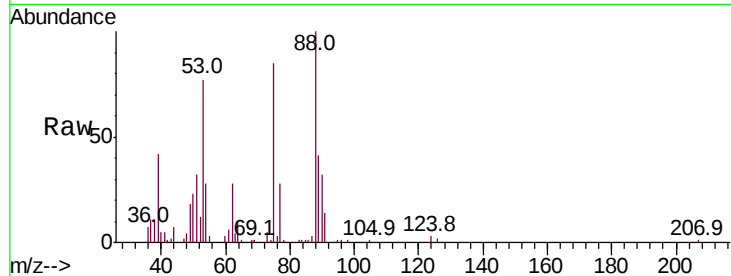
#81
trans-1,4-Dichloro-2-butene
Concen: 18.928 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.5	68.6	102.8
89	49.6	39.4	59.2

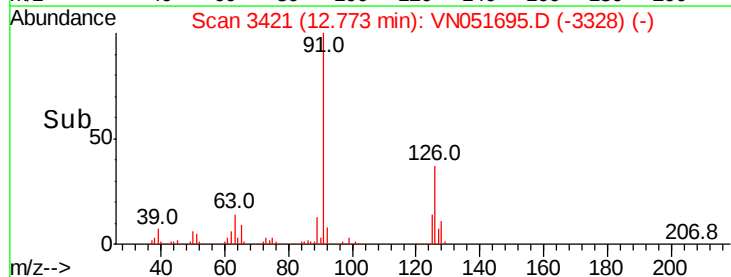
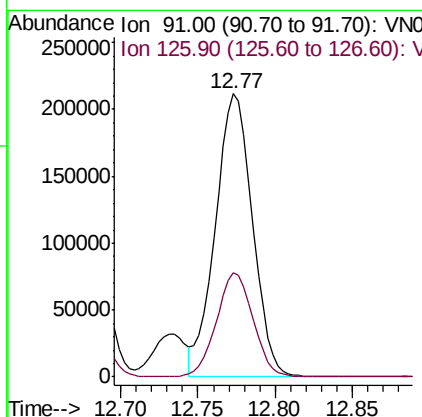
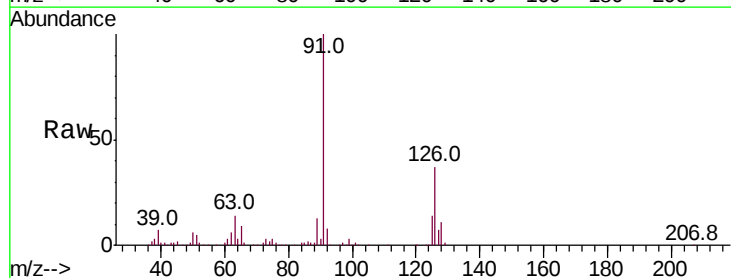
Manual Integrations
APPROVED

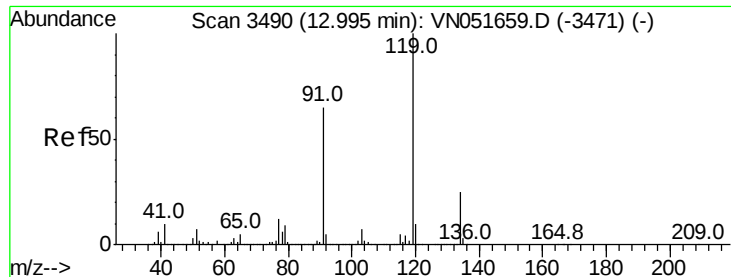
MMDadoda
10/8/2018 12:50:22 PM



#82
4-Chlorotoluene
Concen: 19.251 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.0	54.0





#83

tert-Butylbenzene

Concen: 19.985 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

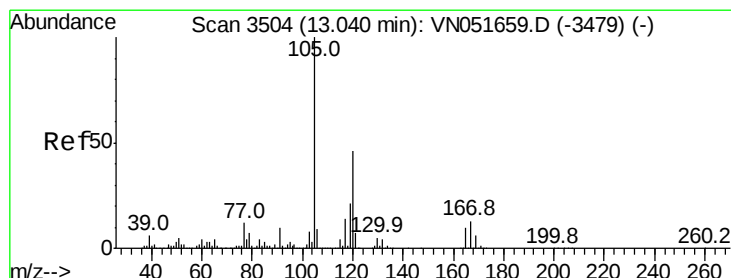
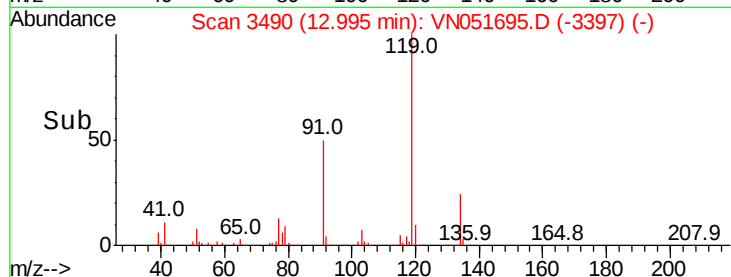
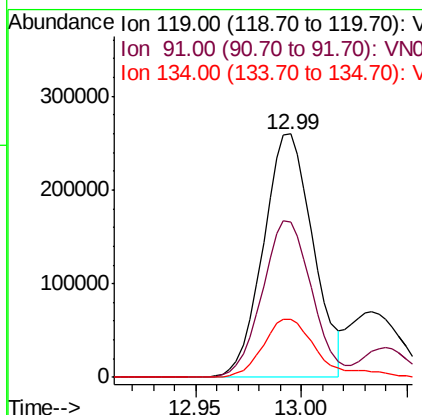
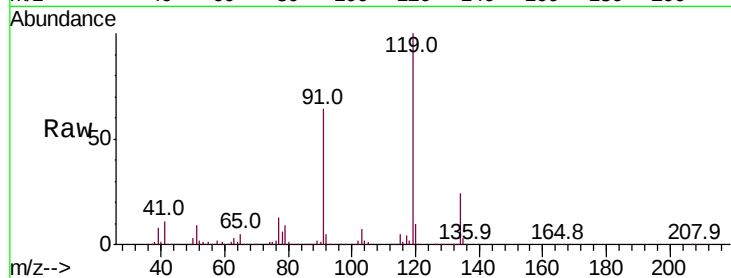
ClientSampled :

VN1006MBS01

Tot Ion:	119	Resp:	426059
Ion Ratio	Lower	Upper	
119	100		
91	64.0	32.1	96.5
134	26.5	13.3	39.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.691 ug/l

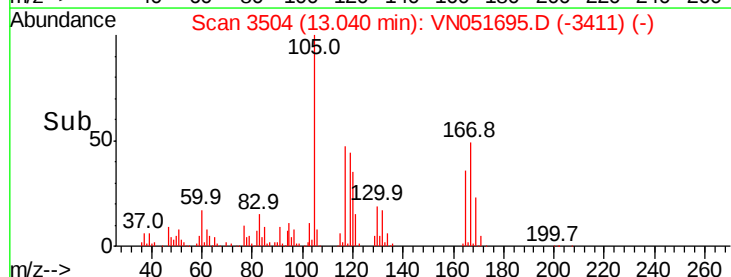
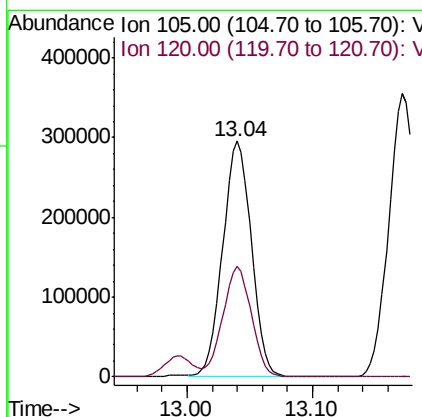
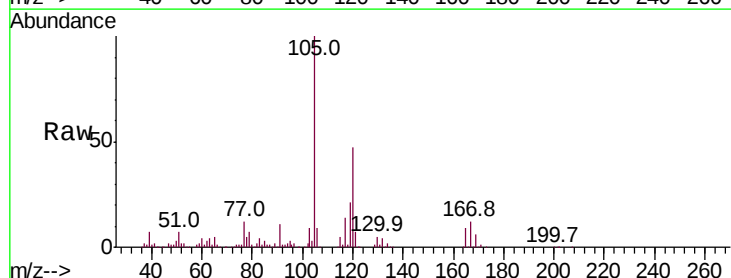
RT: 13.04 min Scan# 3504

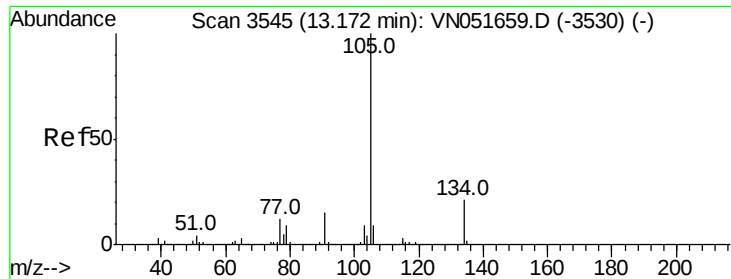
Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Tgt Ion:	105	Resp:	469280
Ion Ratio	Lower	Upper	
105	100		
120	46.6	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.062 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBS01

Tot Ion:105 Resp: 565772

Ion Ratio Lower Upper

105 100

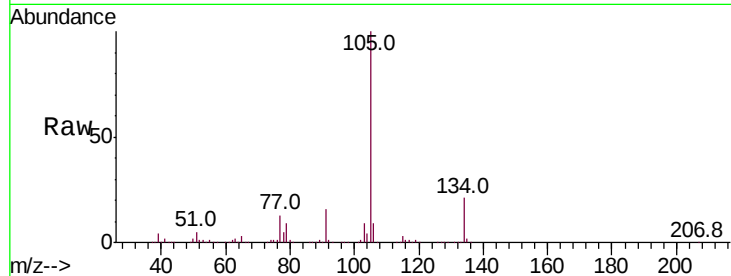
134 20.7 10.5 31.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

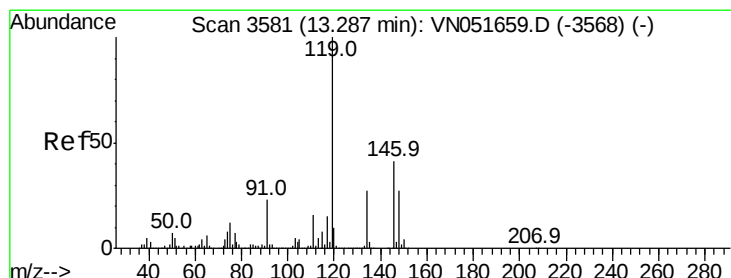
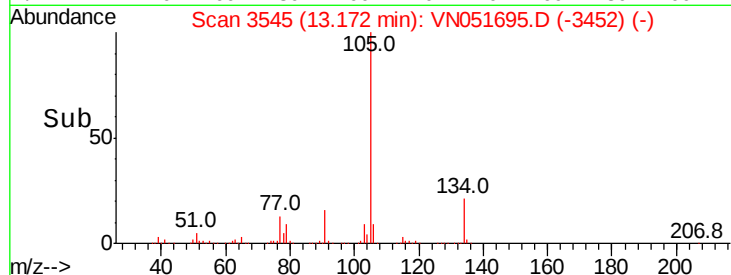
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.723 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

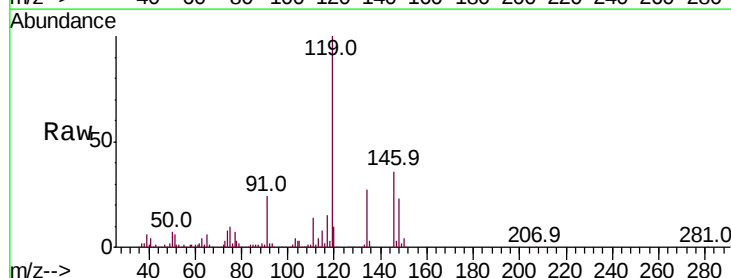
Tgt Ion:119 Resp: 493080

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 23.9 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

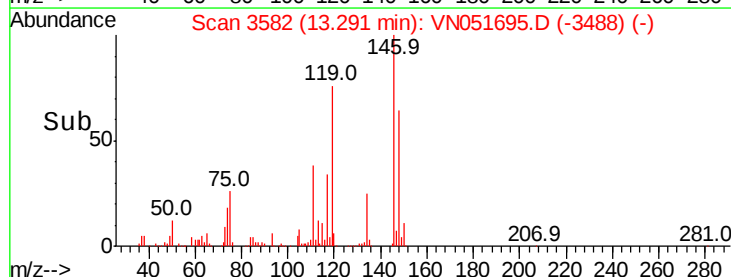
300000

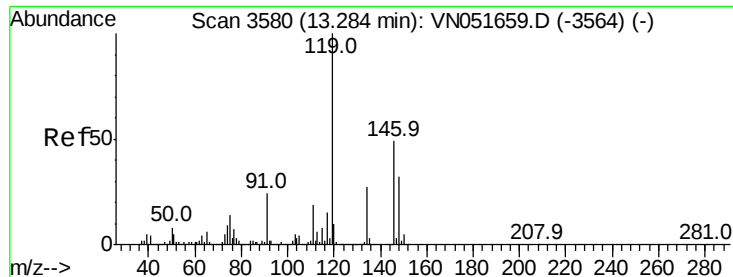
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.129 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051695.D

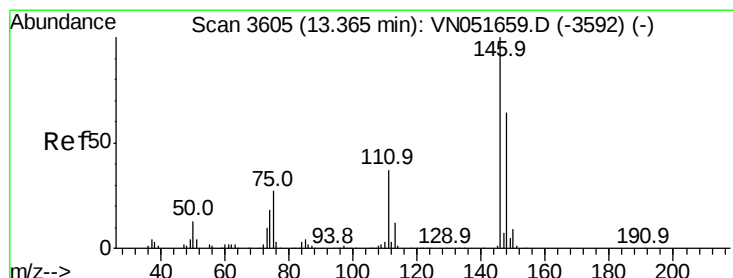
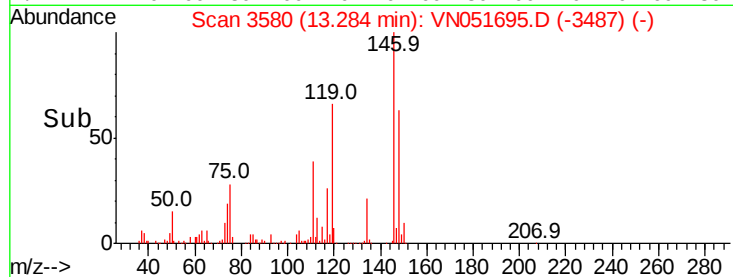
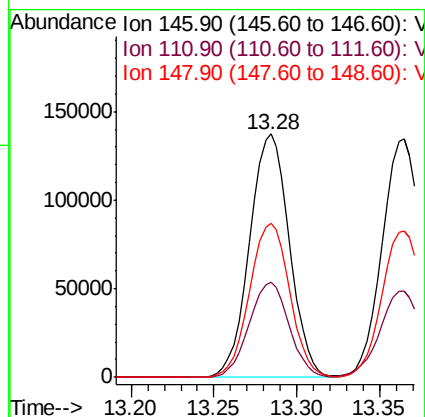
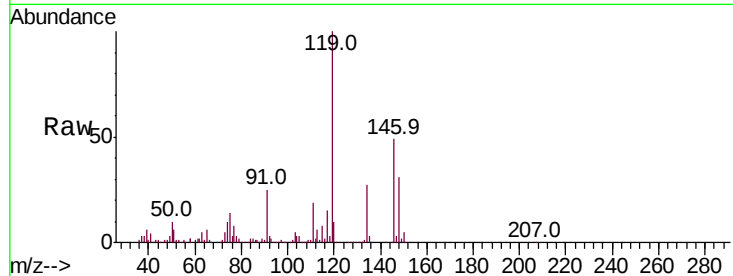
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	230101		
111	39.1	19.3	57.9	
148	63.8	32.5	97.5	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.068 ug/l

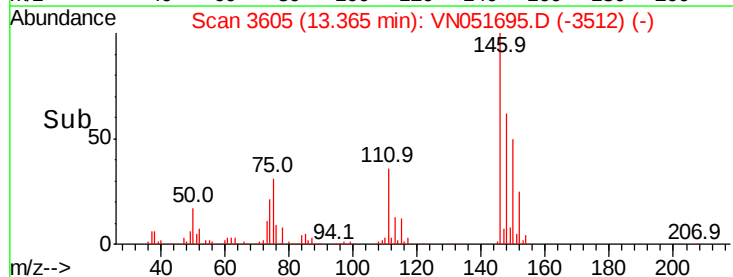
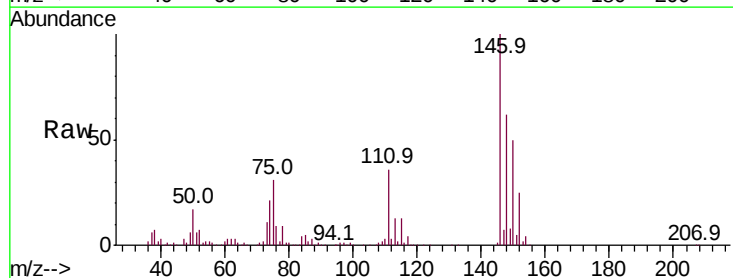
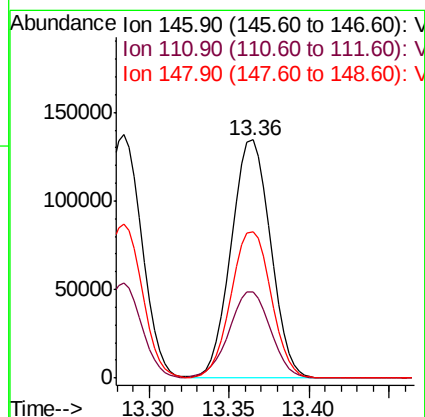
RT: 13.36 min Scan# 3605

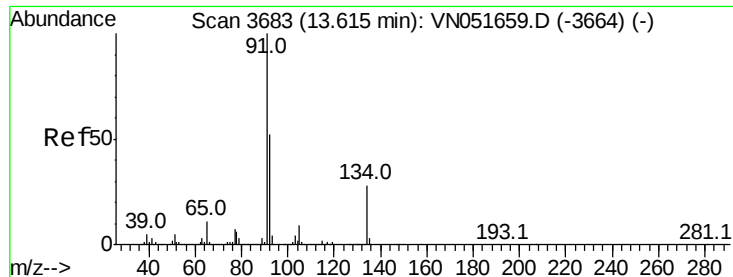
Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	225761		
111	38.2	18.6	55.8	
148	62.8	32.3	96.8	





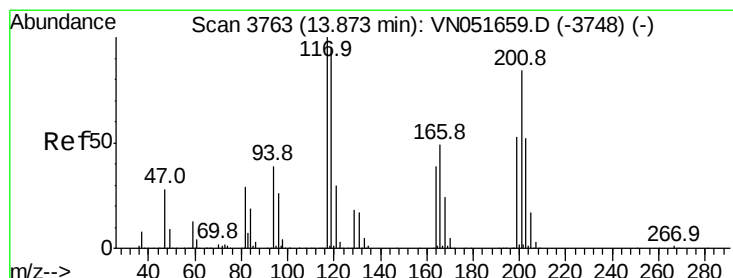
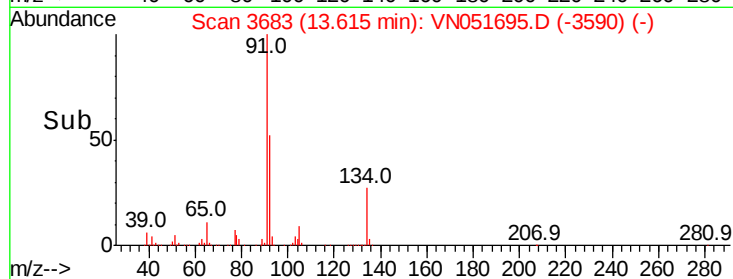
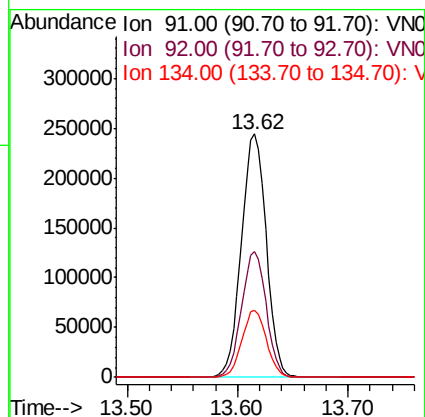
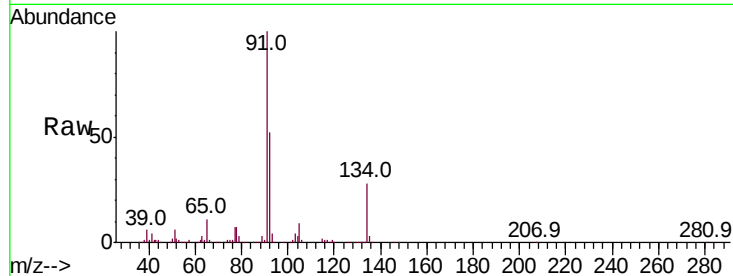
#89
n-Butylbenzene
Concen: 19.326 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampled :
VN1006MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.0	78.0
134	27.0	14.2	42.6

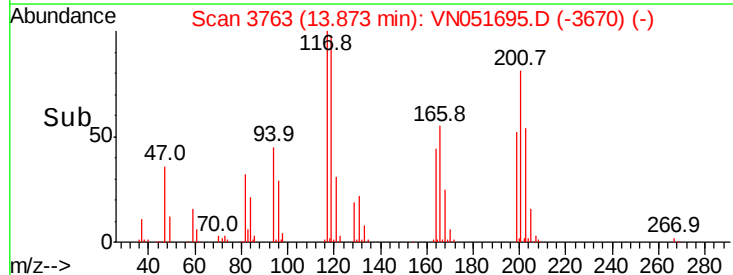
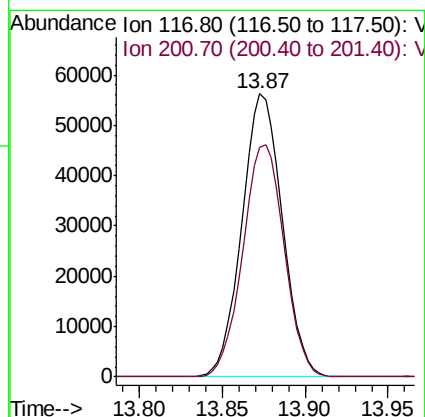
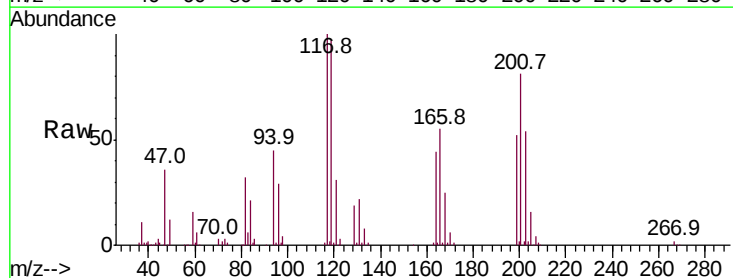
Manual Integrations
APPROVED

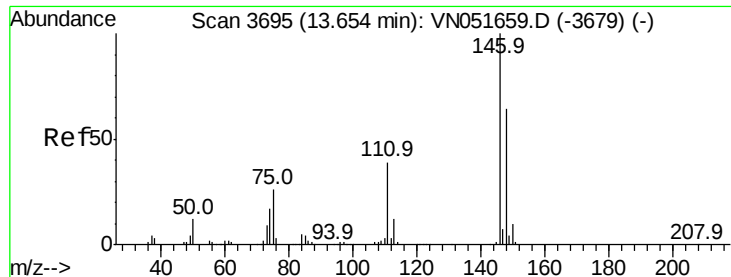
MMDadoda
10/8/2018 12:50:22 PM



#90
Hexachloroethane
Concen: 19.188 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051695.D
Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	42.4	127.3





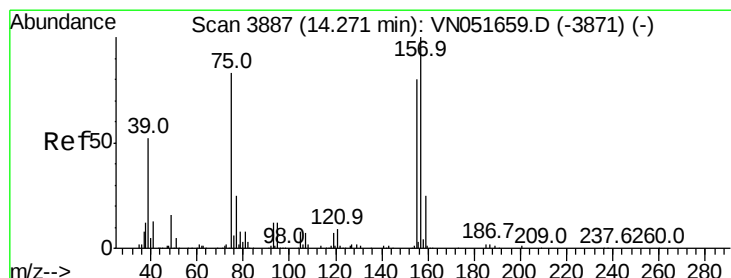
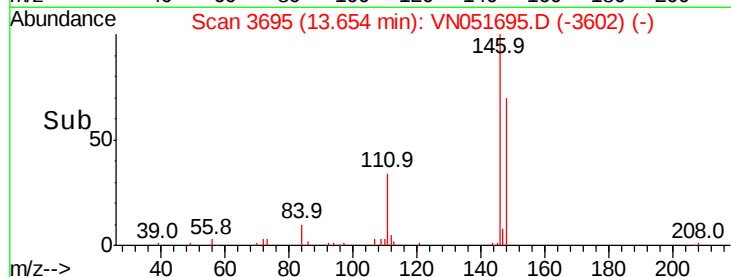
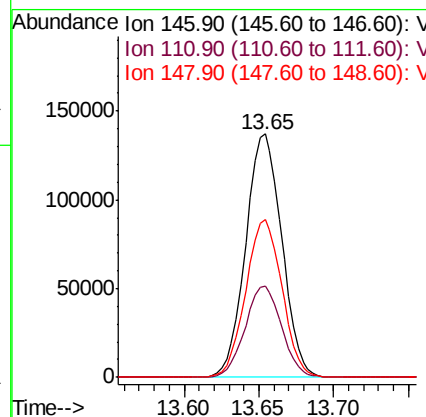
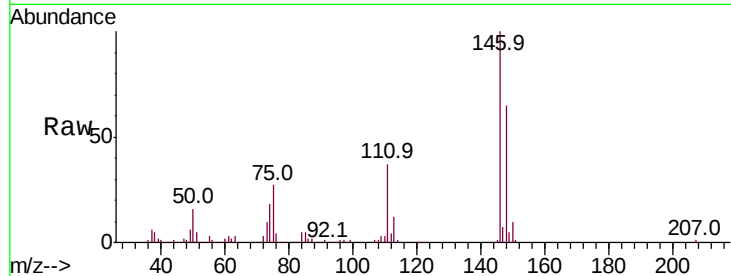
#91
 1,2-Dichlorobenzene
 Concen: 19.309 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051695.D
 Acq: 5 Oct 2018 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.7	59.0
148	65.1	32.1	96.3

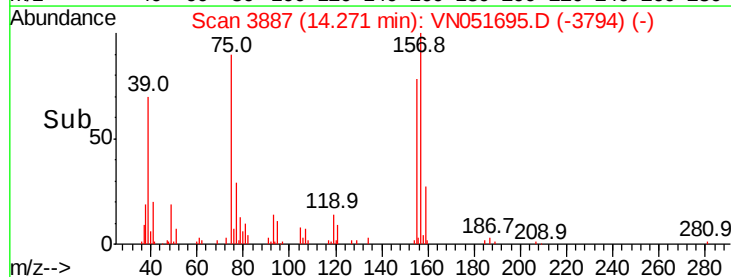
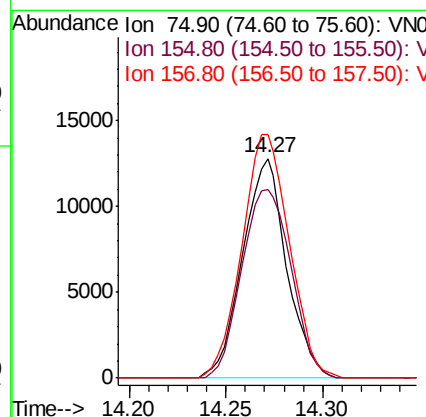
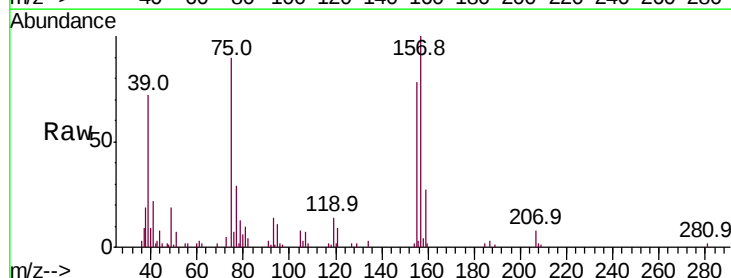
Manual Integrations
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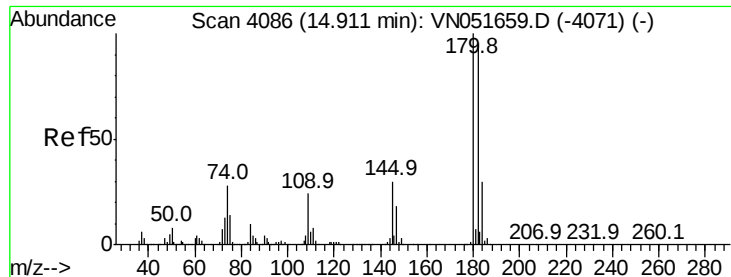
MMDadoda
 10/8/2018 12:50:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.486 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051695.D
 Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	47.6	142.9
157	119.3	61.7	185.1





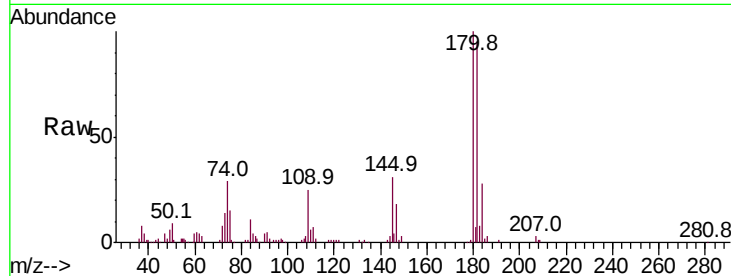
#93
 1,2,4-Trichlorobenzene
 Concen: 17.060 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051695.D
 Acq: 5 Oct 2018 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBS01

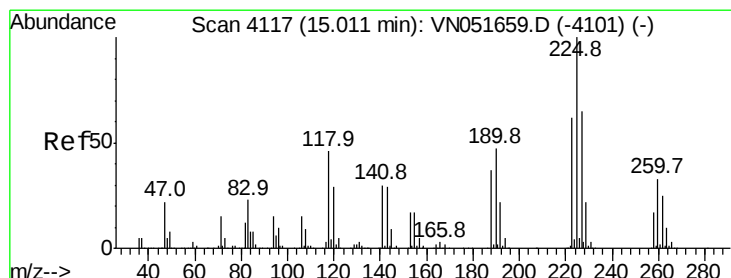
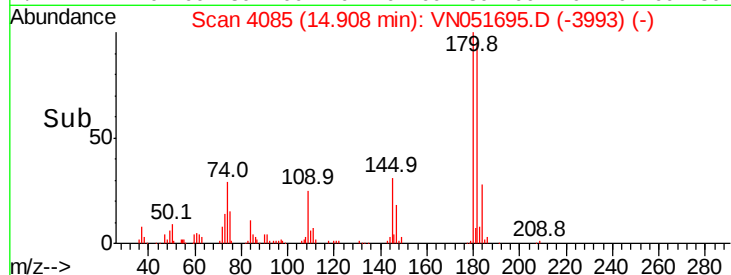
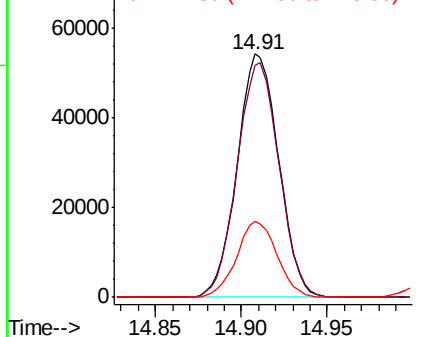
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.2	47.7	143.1	
145	30.5	15.3	45.9	

Manual Integrations
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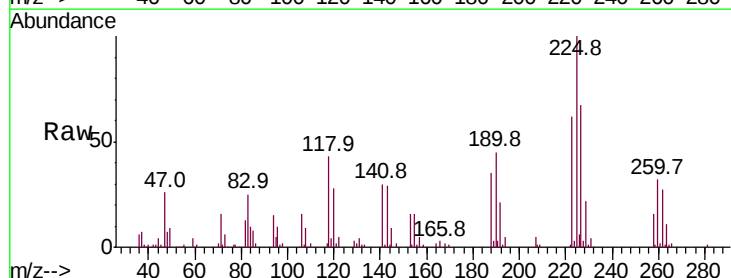


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

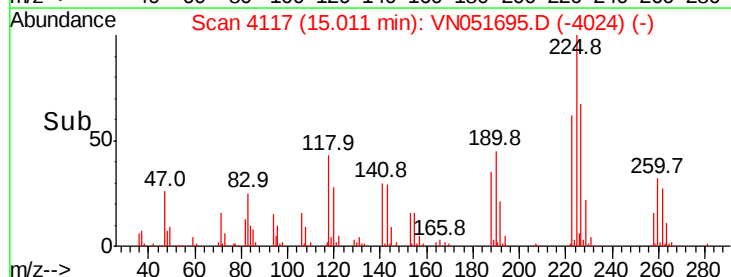
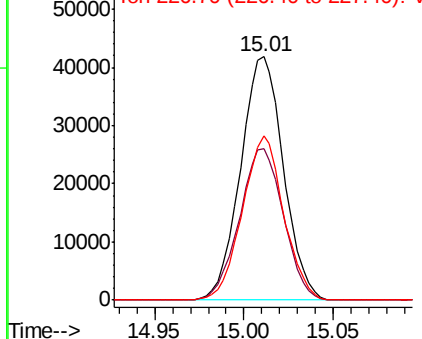


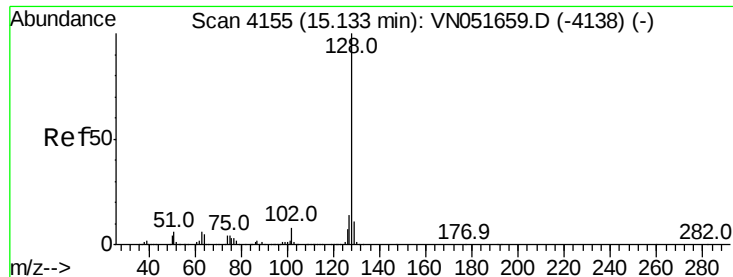
#94
 Hexachlorobutadiene
 Concen: 19.392 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051695.D
 Acq: 5 Oct 2018 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	31.9	95.5	
227	65.0	31.7	95.1	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.539 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Instrument :

MSVOA_N

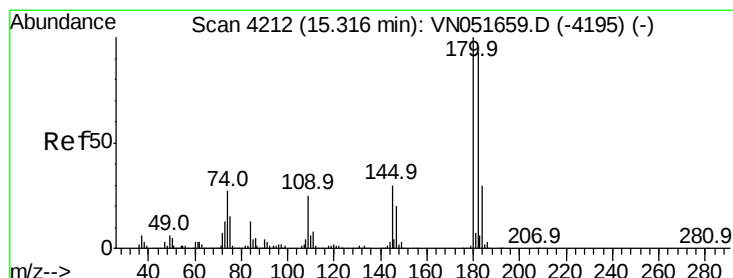
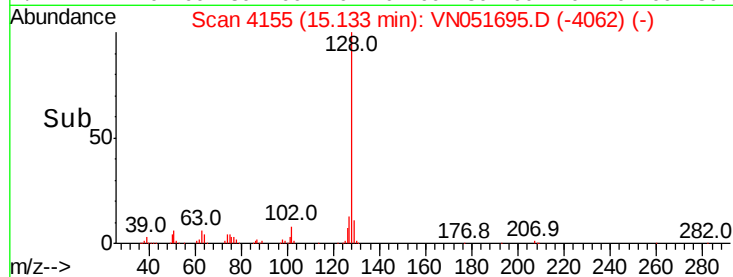
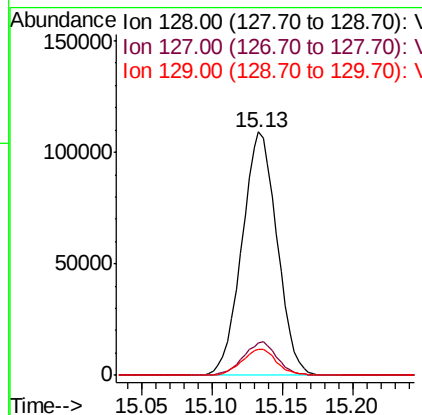
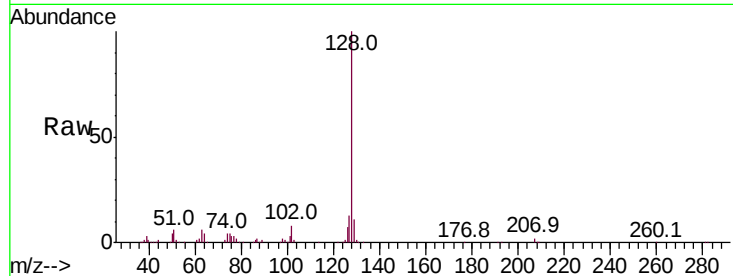
ClientSampleId :

VN1006MBS01

Tot Ion:	128	Resp:	190043
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.7	9.0	13.6

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#96

1,2,3-Trichlorobenzene

Concen: 18.509 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051695.D

Acq: 5 Oct 2018 19:07

Tgt Ion:	180	Resp:	96996
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	141.8
145	30.6	15.6	46.8

