

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021219\
 Data File : VN053722.D
 Acq On : 12 Feb 2019 11:32
 Operator : JC/SP
 Sample : VN0212WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 12:15:09 PM

Quant Time: Feb 13 04:40:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	645255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1024680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	884592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	425122	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	335913	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
35) Dibromofluoromethane	7.59	113	326601	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
50) Toluene-d8	10.09	98	1192602	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	399050	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	141254	19.624	ug/l	99
3) Chloromethane	2.06	50	147941	19.312	ug/l	99
4) Vinyl Chloride	2.19	62	147384	19.819	ug/l	98
5) Bromomethane	2.57	94	109516	22.524	ug/l	94
6) Chloroethane	2.71	64	97583	22.963	ug/l	95
7) Trichlorofluoromethane	3.02	101	210554	20.880	ug/l	97
8) Diethyl Ether	3.41	74	74427	20.209	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	131416	21.072	ug/l	98
10) Methyl Iodide	3.96	142	169067	17.271	ug/l	100
11) Tert butyl alcohol	4.78	59	44824	117.004	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	120089	20.098	ug/l	99
13) Acrolein	3.61	56	18290	87.688	ug/l	99
14) Allyl chloride	4.33	41	190048	19.976	ug/l	99
15) Acrylonitrile	4.99	53	227970	110.229	ug/l	99
16) Acetone	3.82	43	193514	116.548	ug/l	97
17) Carbon Disulfide	4.06	76	330642	17.771	ug/l	100
18) Methyl Acetate	4.33	43	115606	23.510	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	331141	21.861	ug/l	100
20) Methylene Chloride	4.55	84	138569	19.892	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	128805	19.981	ug/l	96
22) Diisopropyl ether	5.95	45	369850	20.980	ug/l	95
23) Vinyl Acetate	5.90	43	1264451	103.686	ug/l	99
24) 1,1-Dichloroethane	5.85	63	239775	20.393	ug/l	99
25) 2-Butanone	6.83	43	263202	111.146	ug/l	100
26) 2,2-Dichloropropane	6.82	77	181433	20.214	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	149282	20.826	ug/l	99
28) Bromochloromethane	7.19	49	100637	19.723	ug/l	94
29) Tetrahydrofuran	7.21	42	170187	111.920	ug/l	98
30) Chloroform	7.37	83	242090	20.770	ug/l	97
31) Cyclohexane	7.65	56	213248	19.376	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	200032	20.622	ug/l	100
36) 1,1-Dichloropropene	7.79	75	181031	19.599	ug/l	98
37) Ethyl Acetate	6.93	43	111868	21.685	ug/l	98
38) Carbon Tetrachloride	7.77	117	178858	19.221	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	206750	18.867	ug/l	99
40) Benzene	8.04	78	550297	19.319	ug/l	99
41) Methacrylonitrile	7.18	41	58200	20.186	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	165330	19.548	ug/l	98
43) Isopropyl Acetate	8.16	43	191268	19.198	ug/l #	87
44) Trichloroethene	8.83	130	153875	18.975	ug/l	98
45) 1,2-Dichloropropane	9.12	63	145655	19.993	ug/l	100
46) Dibromomethane	9.21	93	87176	19.850	ug/l	98
47) Bromodichloromethane	9.40	83	181174	19.841	ug/l	100
48) Methyl methacrylate	9.20	41	89381	18.795	ug/l	93
49) 1,4-Dioxane	9.20	88	28545	437.141	ug/l #	95
51) 4-Methyl-2-Pentanone	9.98	43	506333	103.423	ug/l	99
52) Toluene	10.16	92	336004	19.876	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	178166	19.485	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	211622	19.531	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	124501	20.438	ug/l	99
56) Ethyl methacrylate	10.43	69	145481	20.188	ug/l	99
57) 1,3-Dichloropropane	10.71	76	209928	20.164	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	345777	82.899	ug/l	98
59) 2-Hexanone	10.75	43	335346	100.899	ug/l	100
60) Dibromochloromethane	10.90	129	139686	20.335	ug/l	98
61) 1,2-Dibromoethane	11.00	107	118615	19.673	ug/l	99
64) Tetrachloroethene	10.63	164	148398	19.570	ug/l	98
65) Chlorobenzene	11.43	112	363761	19.360	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	132925	20.256	ug/l	99
67) Ethyl Benzene	11.51	91	613447	19.875	ug/l	100
68) m/p-Xylenes	11.62	106	478195	40.593	ug/l	100
69) o-Xylene	11.95	106	231570	20.347	ug/l	99
70) Styrene	11.96	104	373737	20.261	ug/l	100
71) Bromoform	12.13	173	93658	20.818	ug/l #	100
73) Isopropylbenzene	12.25	105	615004	20.579	ug/l	100
74) N-amyl acetate	12.07	43	147144	20.475	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	143822	20.108	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	110210m	20.183	ug/l	
77) Bromobenzene	12.53	156	161189	20.013	ug/l	98
78) n-propylbenzene	12.59	91	706992	20.464	ug/l	100
79) 2-Chlorotoluene	12.67	91	420011	20.492	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	527549	21.287	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36961	19.034	ug/l	96
82) 4-Chlorotoluene	12.77	91	422443	20.085	ug/l	99
83) tert-Butylbenzene	12.99	119	467016	21.322	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	539172	21.354	ug/l	100
85) sec-Butylbenzene	13.17	105	636387	21.351	ug/l	100
86) p-Isopropyltoluene	13.29	119	554773	21.282	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	284719	19.664	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	281738	19.671	ug/l	99
89) n-Butylbenzene	13.62	91	463239	20.531	ug/l	100
90) Hexachloroethane	13.87	117	91939	21.382	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	281521	20.310	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21917	21.501	ug/l	98

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Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	151730	19.086	ug/l	98
94) Hexachlorobutadiene	15.01	225	105136	21.236	ug/l	98
95) Naphthalene	15.13	128	292821	16.872	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	144347	19.568	ug/l	99

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

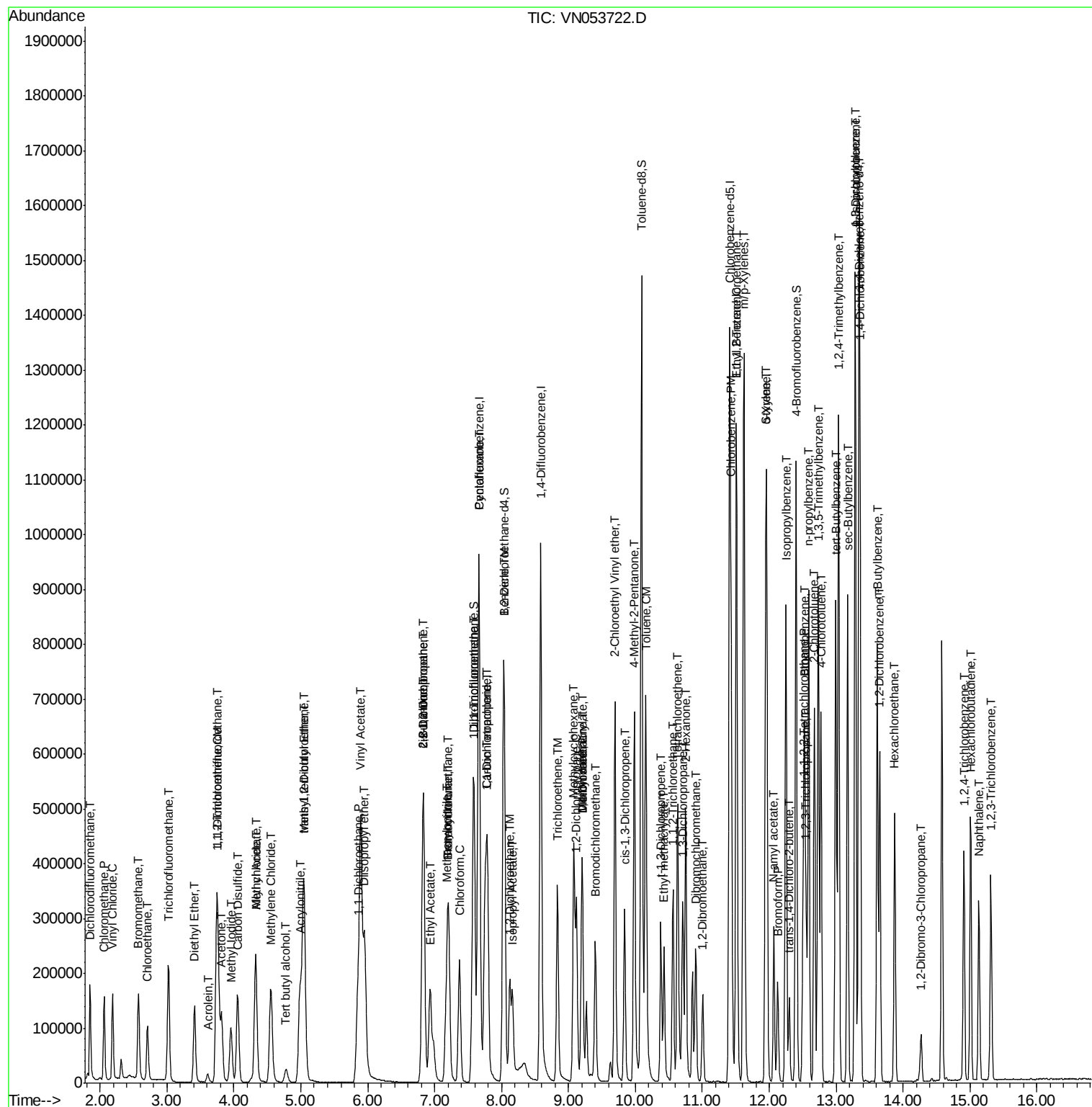
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Data File : VN053722.D
Acq On : 12 Feb 2019 11:32
Operator : JC/SP
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ALS Vial : 4 Sample Multiplier: 1

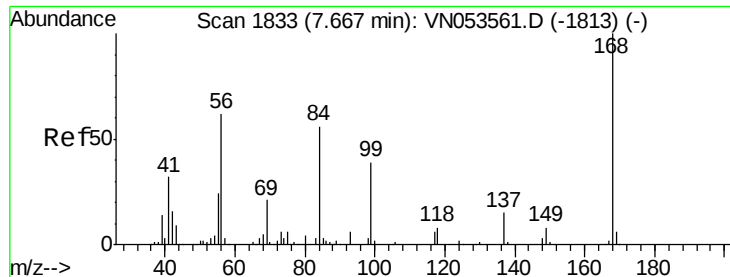
Instrument :
MSVOA_N
Client Sample Id :
VN0212WBS01

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

Tot Ion:168 Resp: 645255

Ion Ratio Lower Upper

168 100

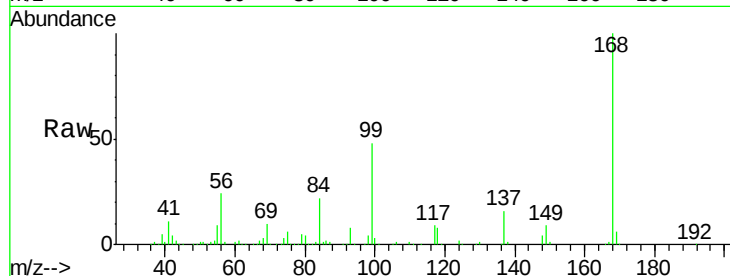
99 46.0 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

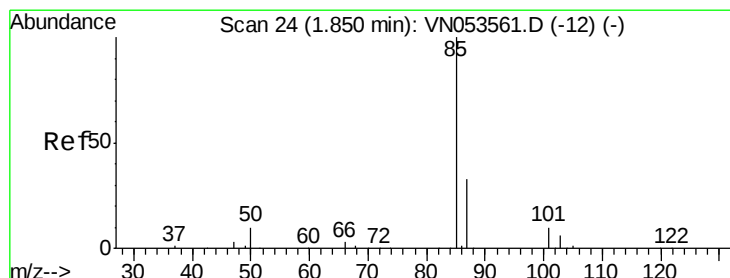
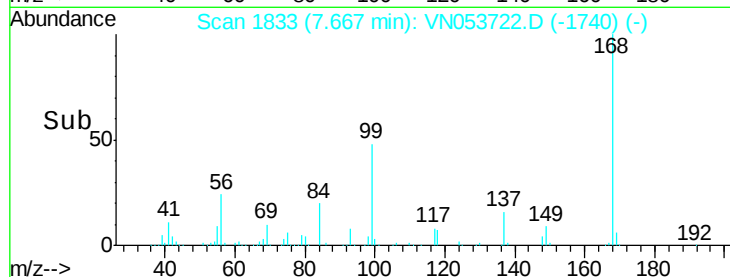
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.624 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053722.D

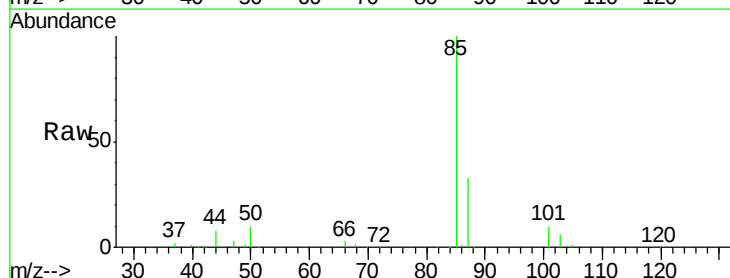
Acq: 12 Feb 2019 11:32

Tgt Ion: 85 Resp: 141254

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

60000

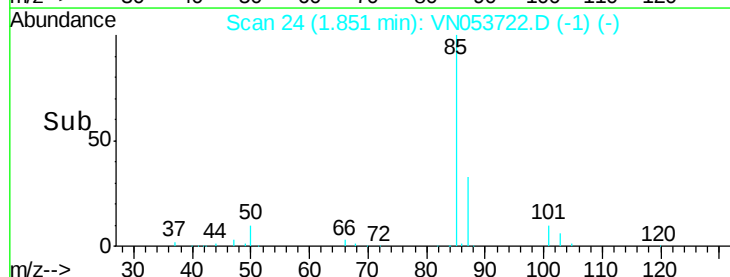
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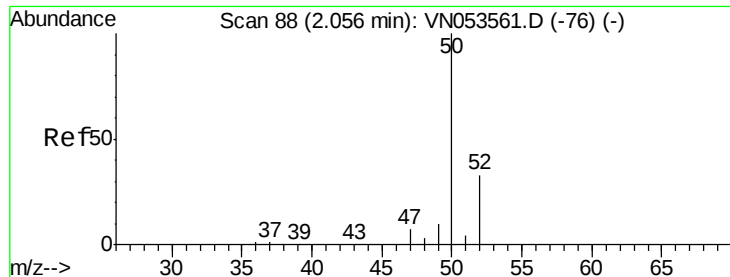
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.312 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

Tot Ion: 50 Resp: 147941

Ion Ratio Lower Upper

50 100

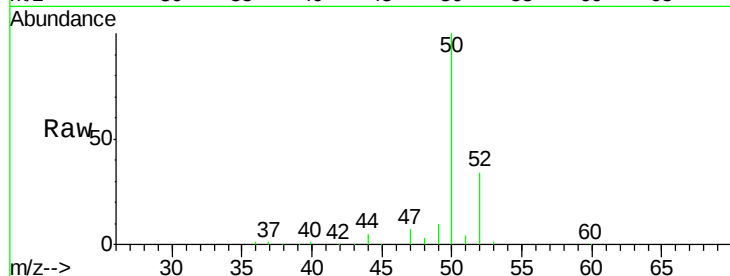
52 33.8 26.6 40.0

Manual Integrations

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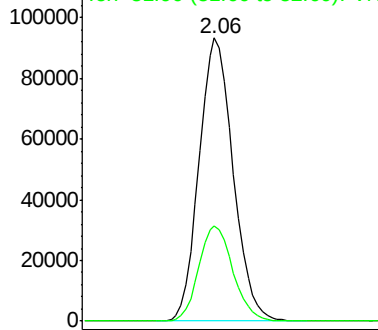
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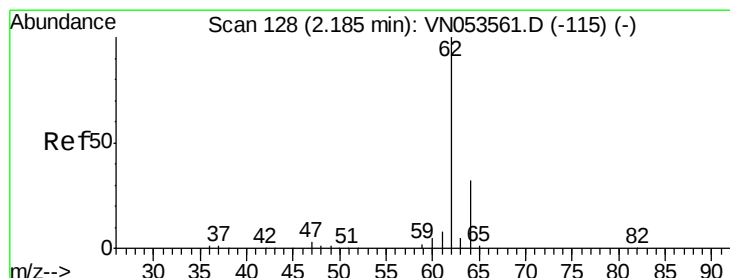
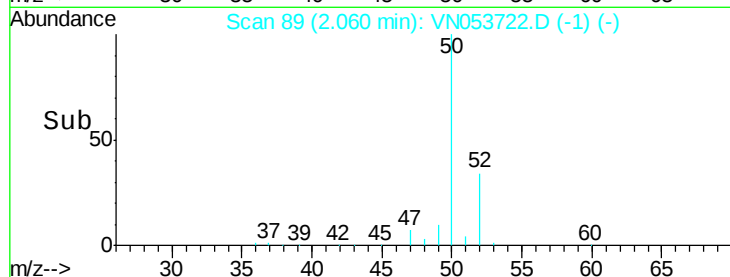


Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



Time-->



#4

Vinyl Chloride

Concen: 19.819 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053722.D

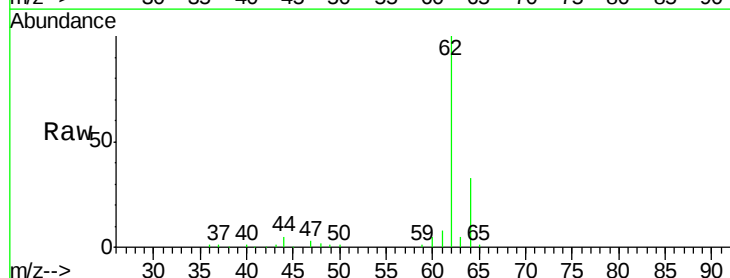
Acq: 12 Feb 2019 11:32

Tgt Ion: 62 Resp: 147384

Ion Ratio Lower Upper

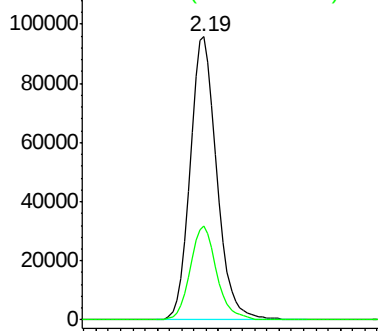
62 100

64 33.1 25.4 38.2

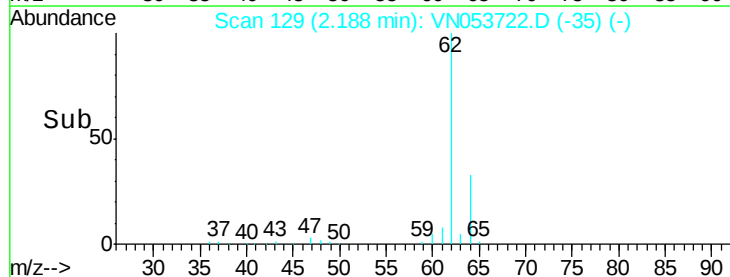


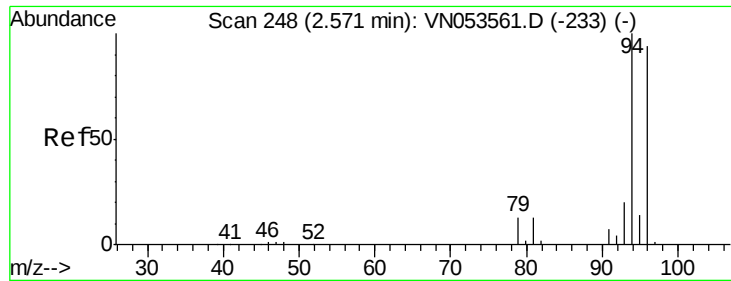
Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



Time-->





#5

Bromomethane

Concen: 22.524 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

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VN0212WBS01

Tot Ion: 94 Resp: 109516

Ion Ratio Lower Upper

94 100

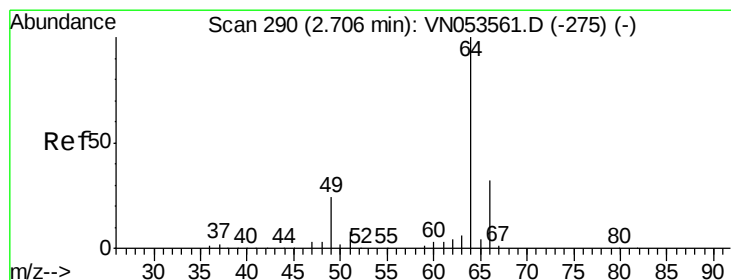
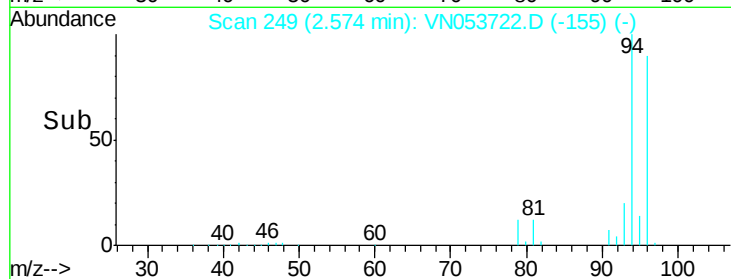
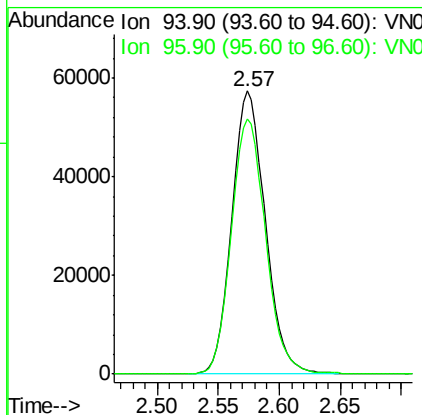
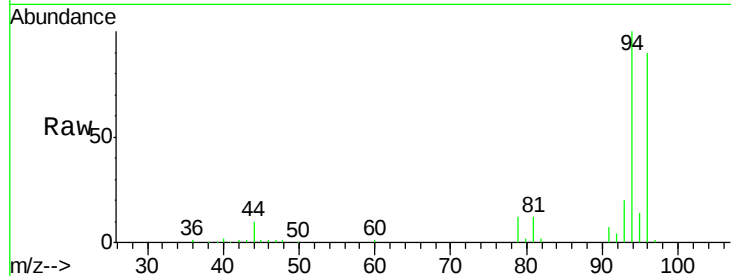
96 90.2 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 22.963 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053722.D

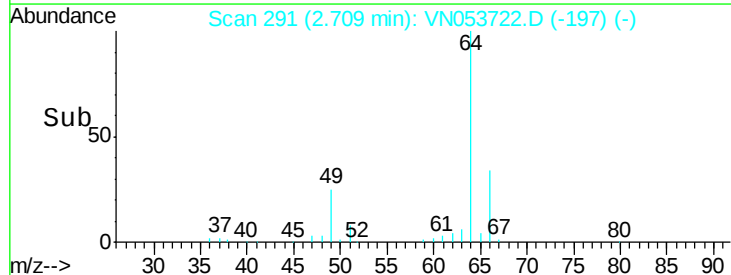
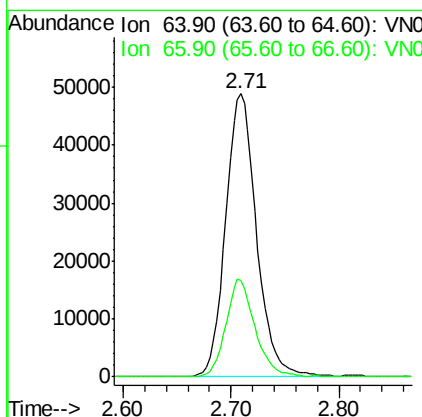
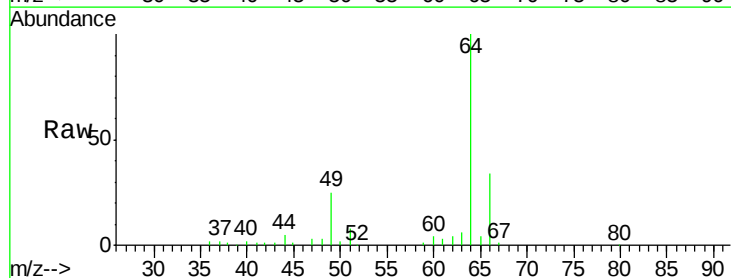
Acq: 12 Feb 2019 11:32

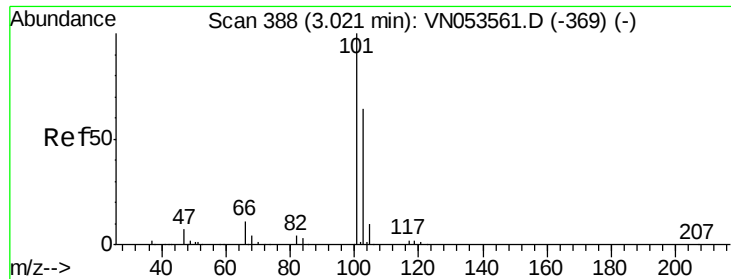
Tgt Ion: 64 Resp: 97583

Ion Ratio Lower Upper

64 100

66 34.0 25.1 37.7





#7

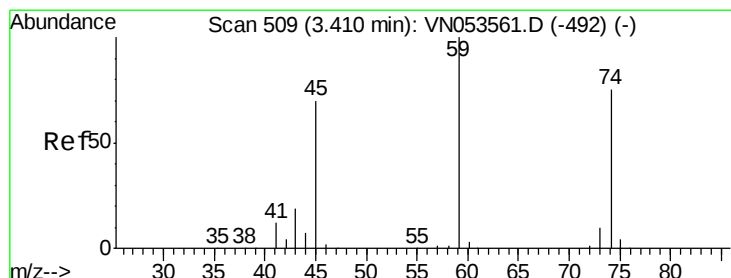
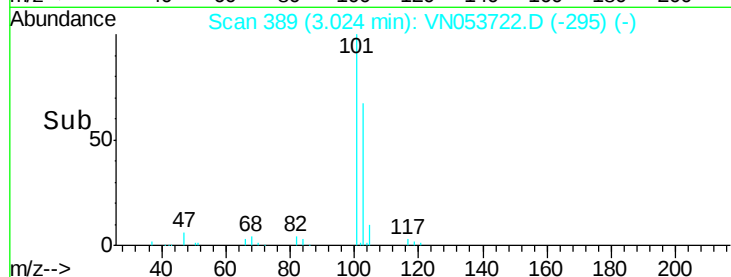
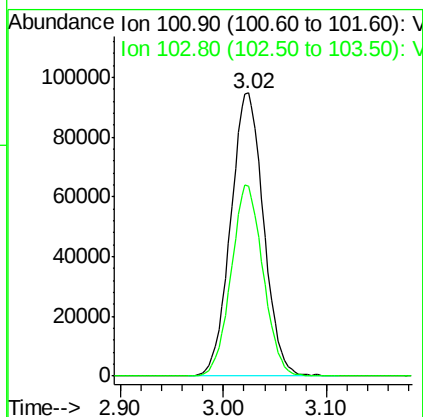
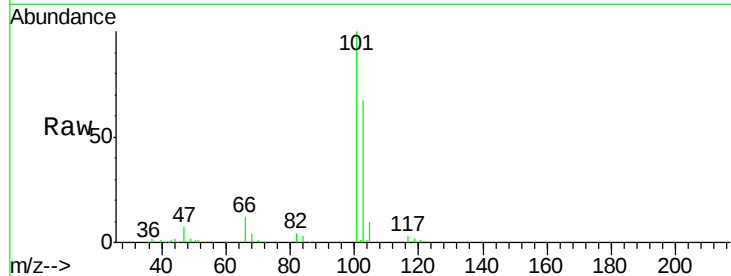
Trichlorofluoromethane
Concen: 20.880 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0212WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.6	77.4

Manual Integrations
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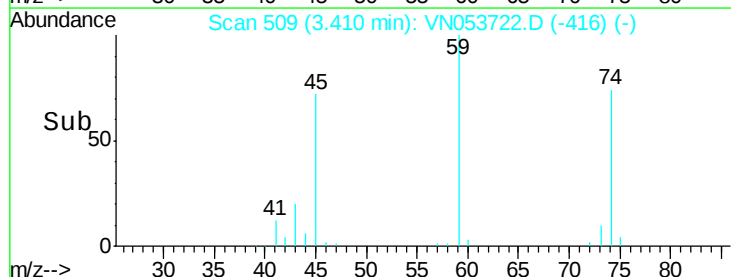
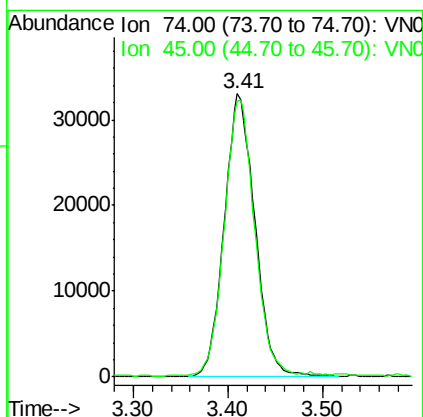
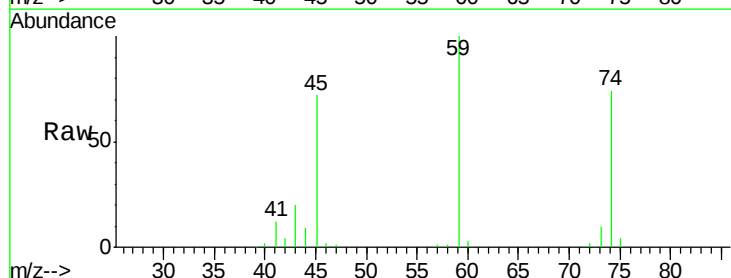
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2/13/2019 12:15:09 PM



#8

Diethyl Ether
Concen: 20.209 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.072 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

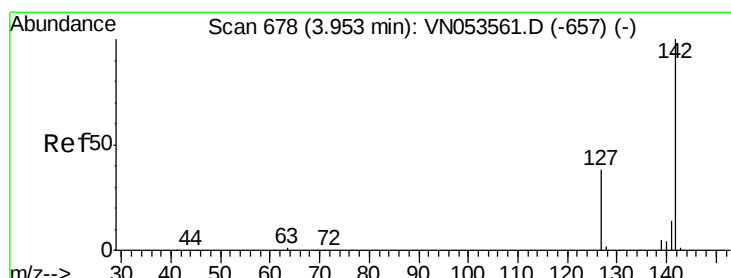
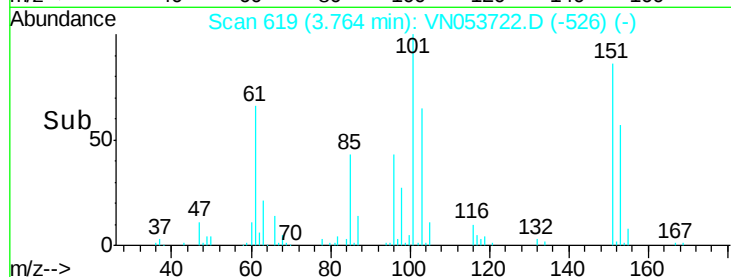
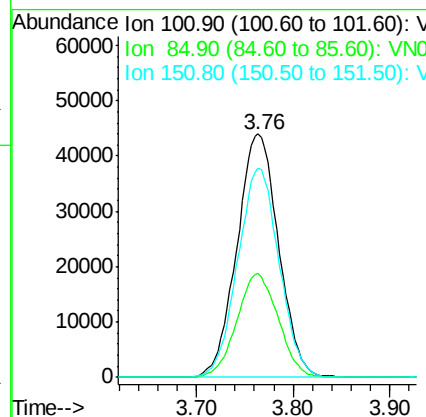
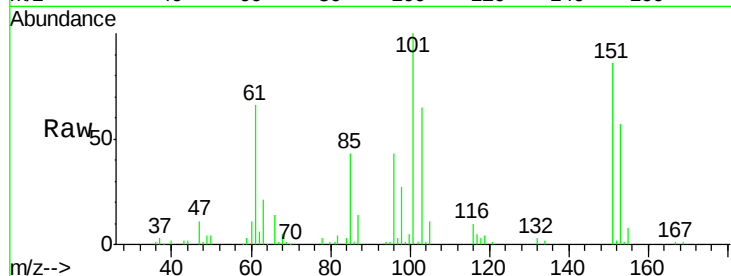
ClientSampleId :

VN0212WBS01

Tot Ion:	101	Resp:	131416
Ion Ratio	Lower	Upper	
101	100		
85	42.4	32.8	49.2
151	85.8	66.9	100.3

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#10

Methyl Iodide

Concen: 17.271 ug/l

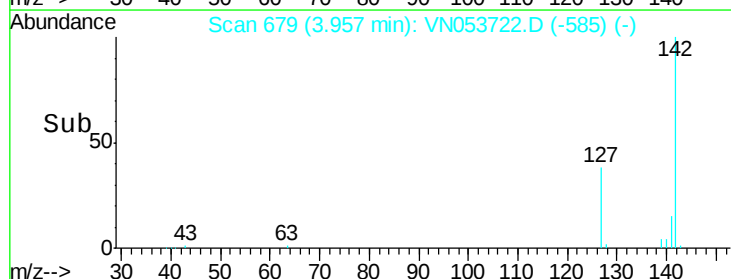
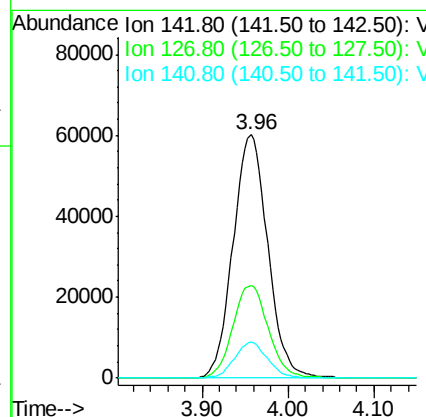
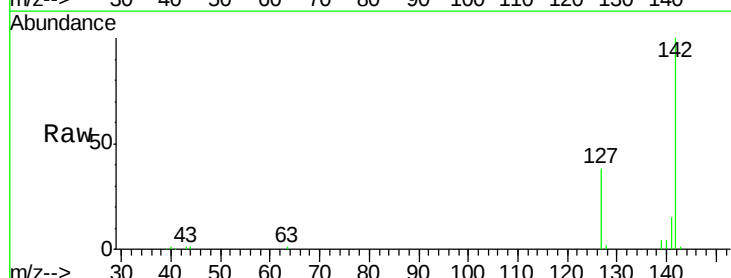
RT: 3.96 min Scan# 679

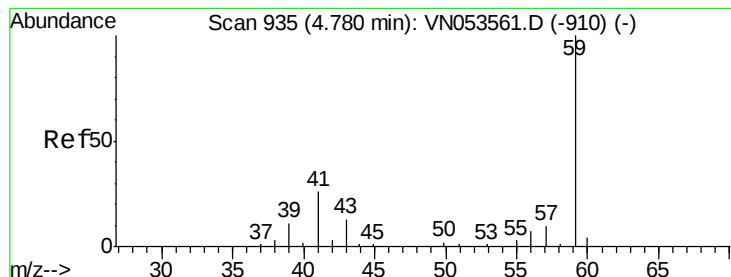
Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Tgt Ion:	142	Resp:	169067
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.4
141	14.1	11.1	16.7





#11

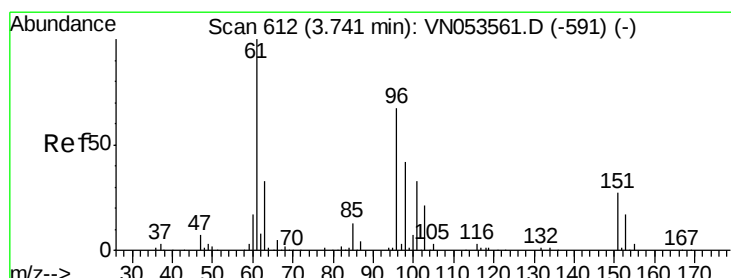
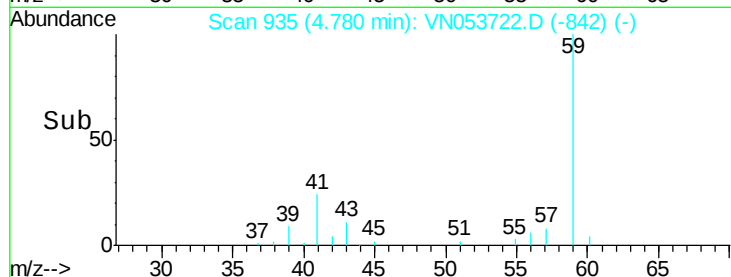
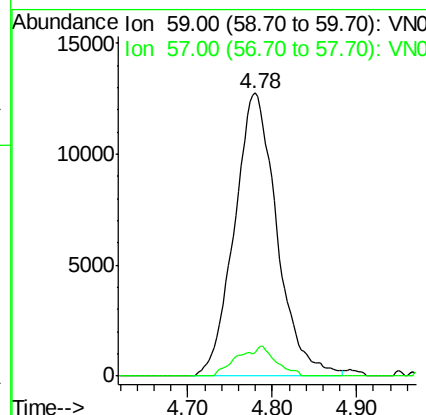
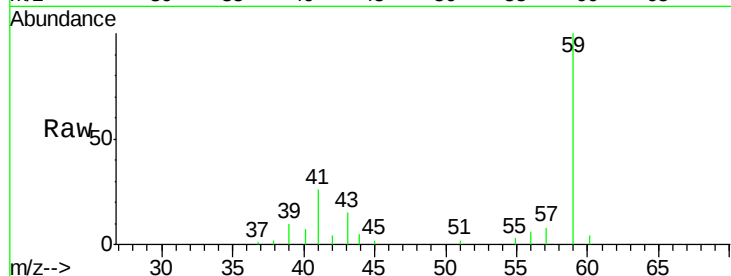
Tert butyl alcohol
Concen: 117.004 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	44824		
57	5.1		8.2	12.4#

Manual Integrations
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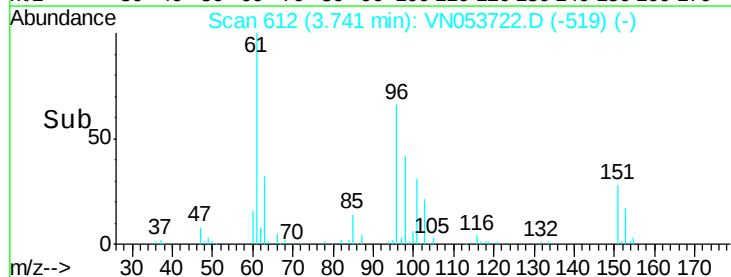
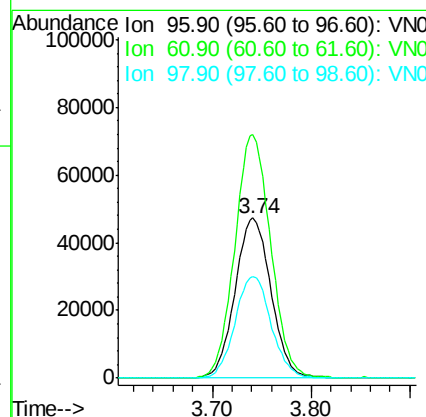
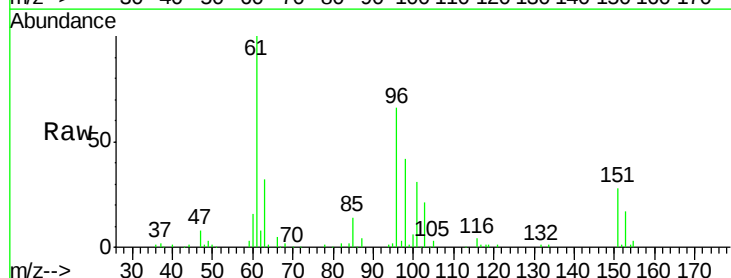
MMDadoda
2/13/2019 12:15:09 PM

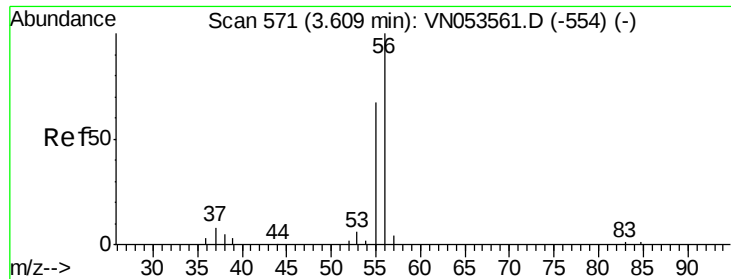


#12

1,1-Dichloroethene
Concen: 20.098 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	120089		
61	152.2		122.9	184.3
98	63.5		49.4	74.0





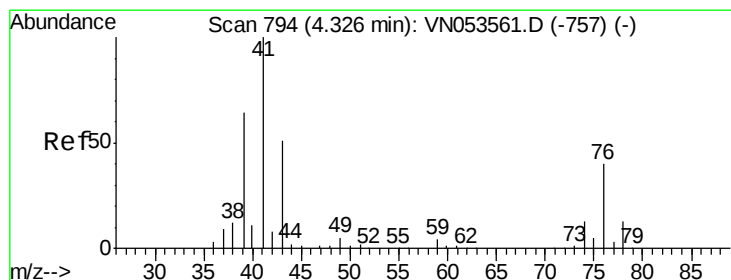
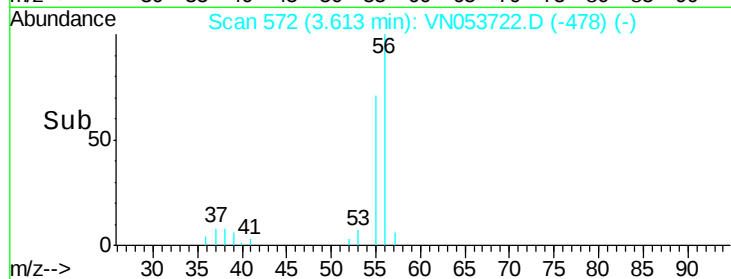
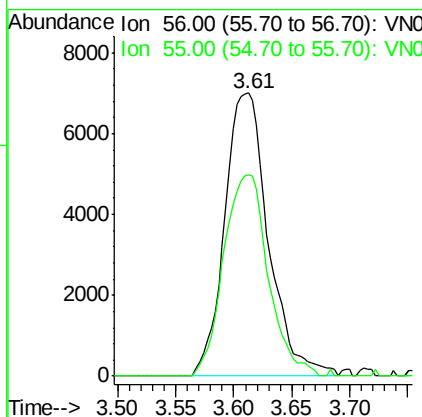
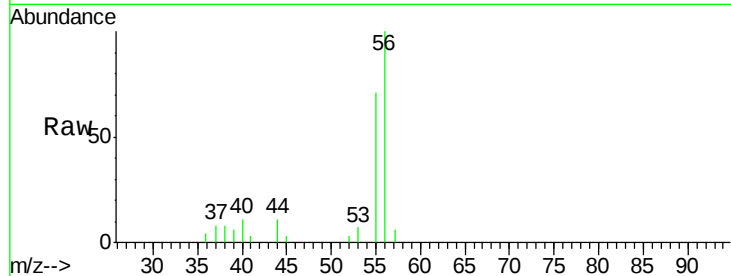
#13
Acrolein
Concen: 87.688 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion	56	Resp	18290
Ion Ratio	100	Lower	Upper
56	100		
55	72.7	57.4	86.0

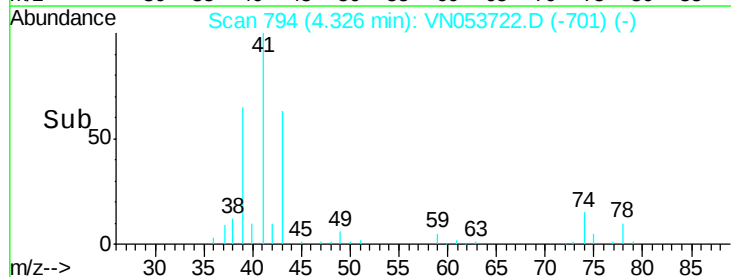
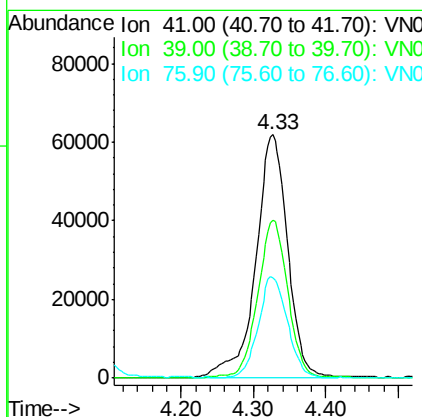
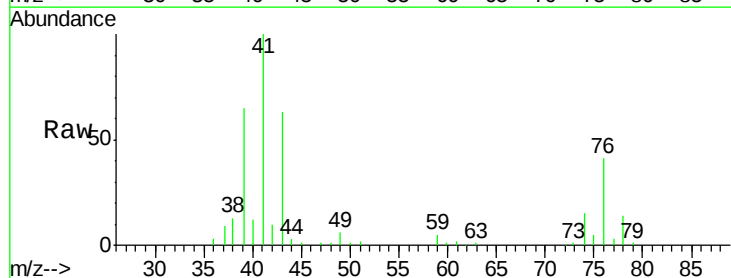
Manual Integrations
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#14
Allyl chloride
Concen: 19.976 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	41	Resp	190048
Ion Ratio	100	Lower	Upper
41	100		
39	61.6	48.9	73.3
76	38.1	29.4	44.2





#15

Acrylonitrile

Concen: 110.229 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

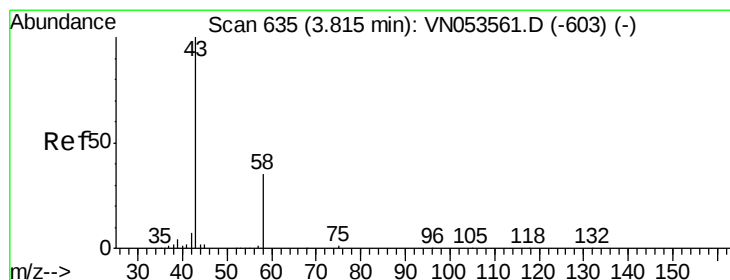
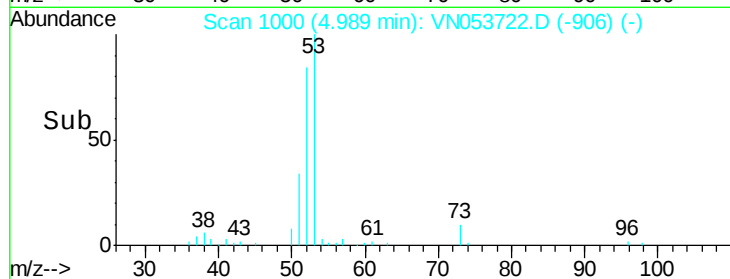
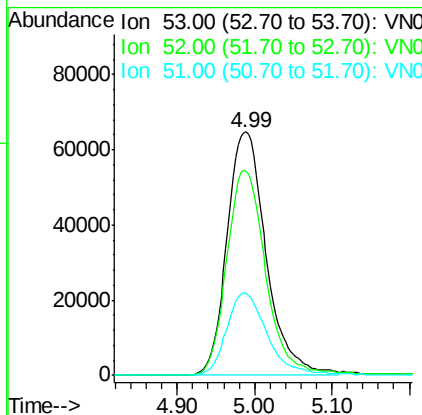
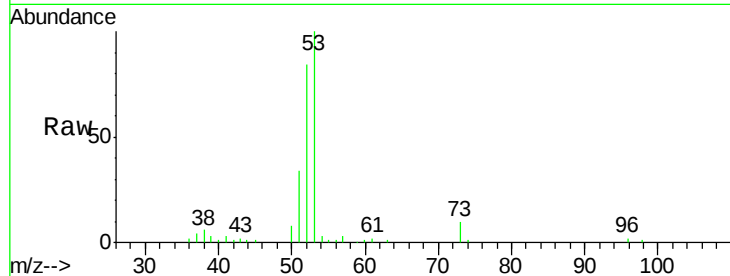
ClientSampleId :

VN0212WBS01

Tot Ion:	53	Resp:	227970
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.0	99.0
51	34.6	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 116.548 ug/l

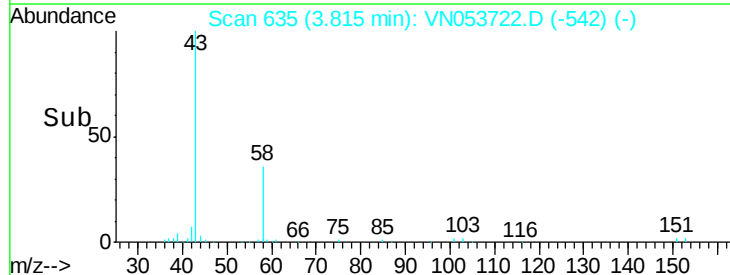
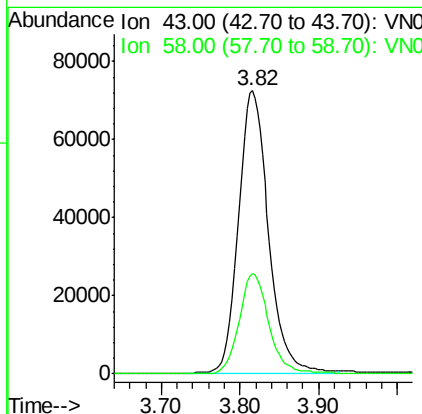
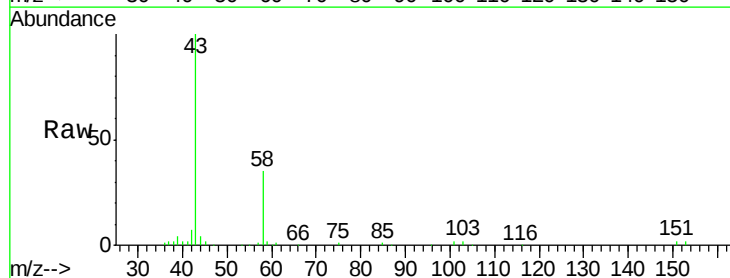
RT: 3.82 min Scan# 635

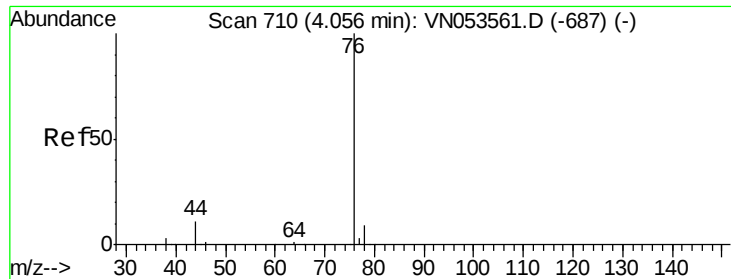
Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Tgt Ion:	43	Resp:	193514
Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.1	40.7





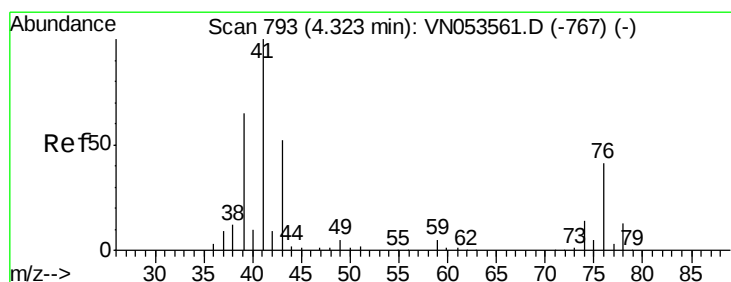
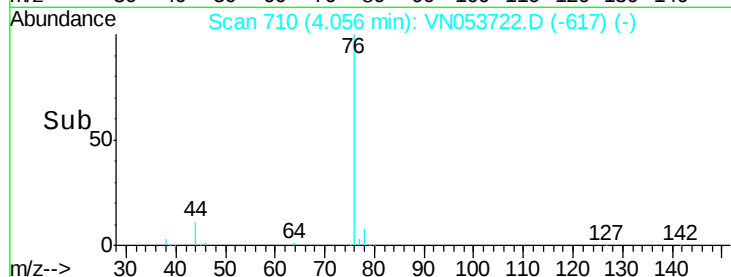
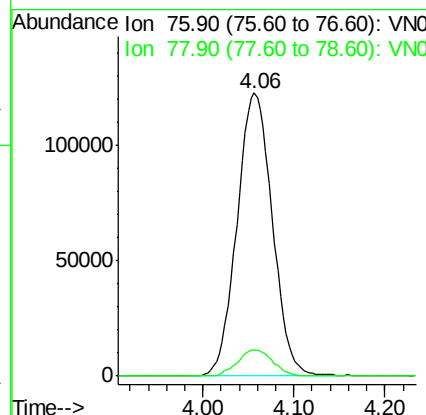
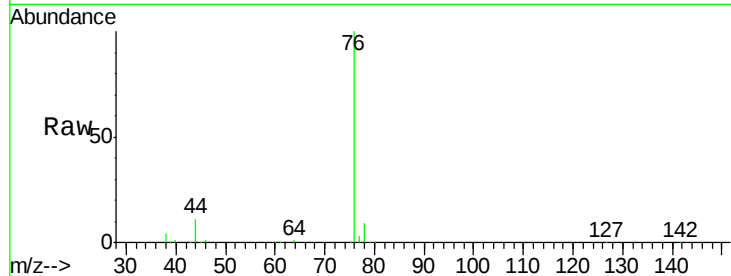
#17
Carbon Disulfide
Concen: 17.771 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

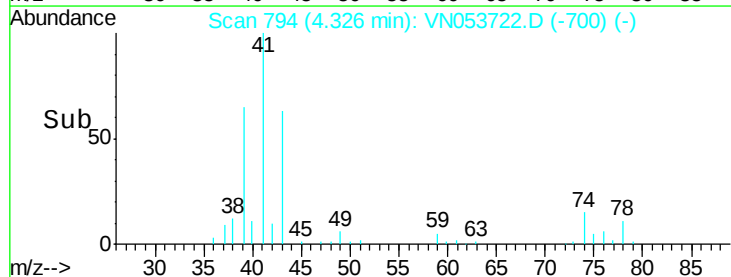
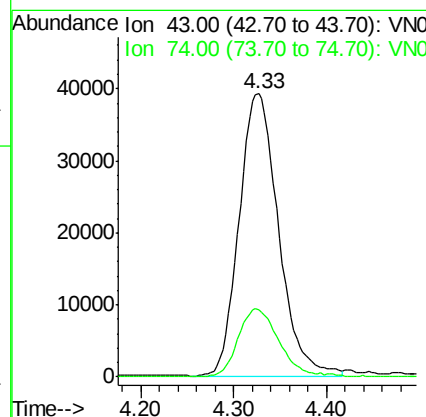
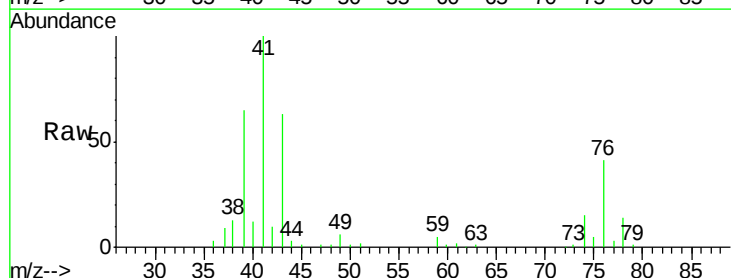
Manual Integrations
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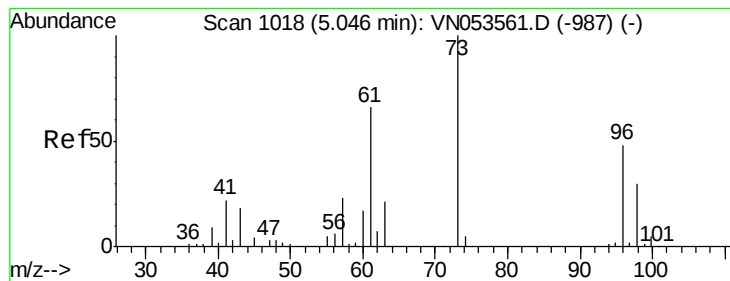
MMDadoda
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#18
Methyl Acetate
Concen: 23.510 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.4	29.2





#19

Methyl tert-butyl Ether

Concen: 21.861 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Tot Ion: 73 Resp: 331141

Ion Ratio Lower Upper

73 100

57 22.9 18.3 27.5

Instrument :

MSVOA_N

ClientSampled :

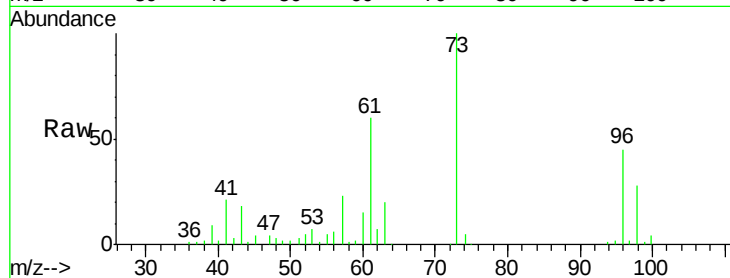
VN0212WBS01

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.05

80000

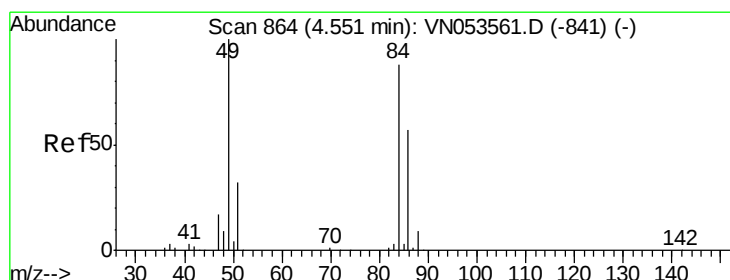
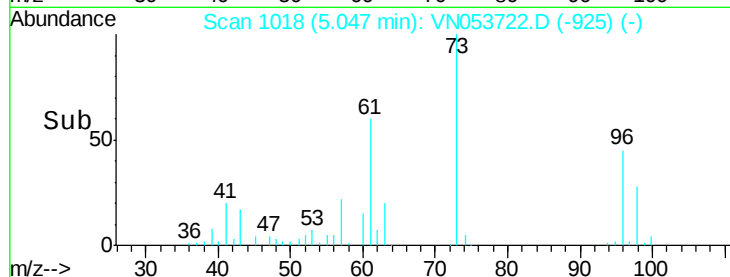
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 19.892 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Tgt Ion: 84 Resp: 138569

Ion Ratio Lower Upper

84 100

49 116.0 94.3 141.5

51 35.7 29.4 44.2

86 65.1 51.4 77.0

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

80000

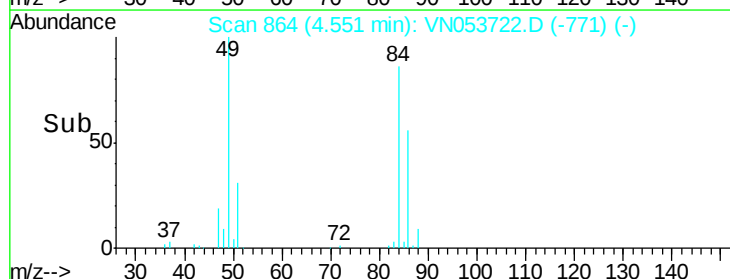
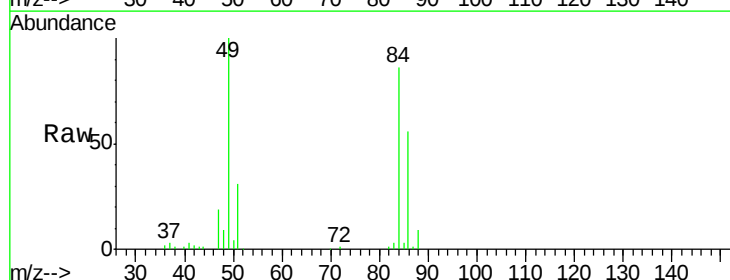
60000

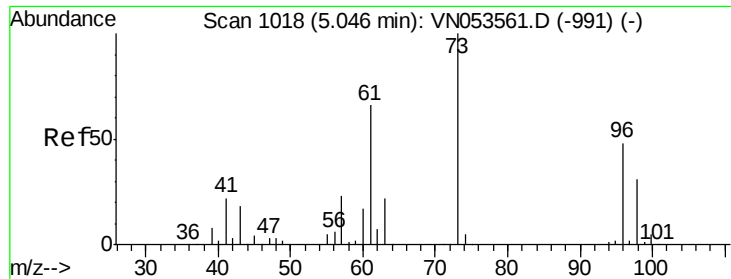
40000

20000

0

Time-->





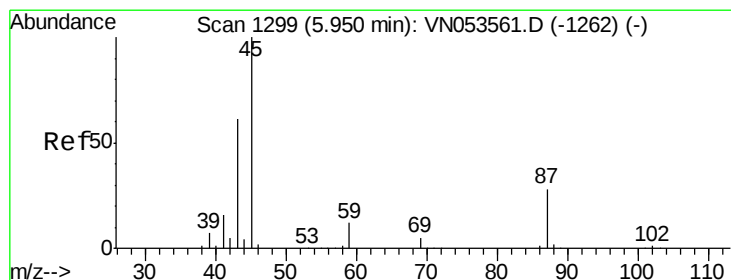
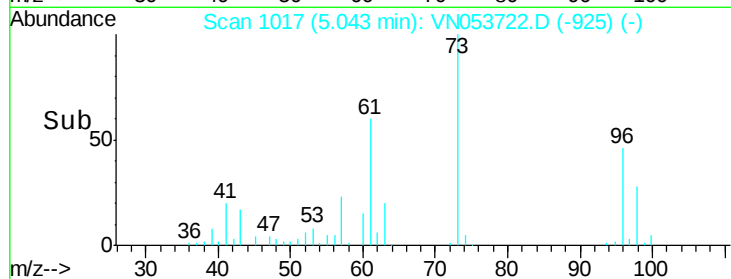
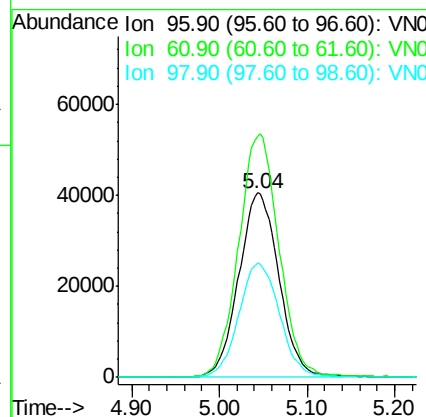
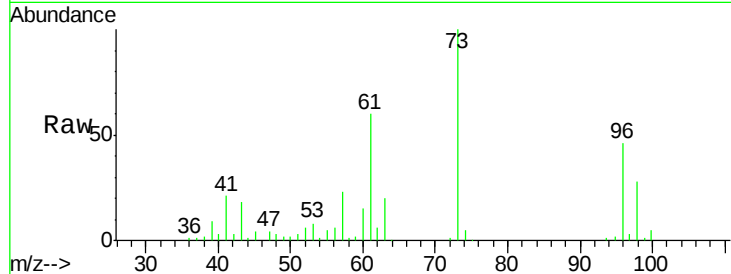
#21
trans-1,2-Dichloroethene
Concen: 19.981 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	110.1	165.1
98	62.3	50.0	75.0

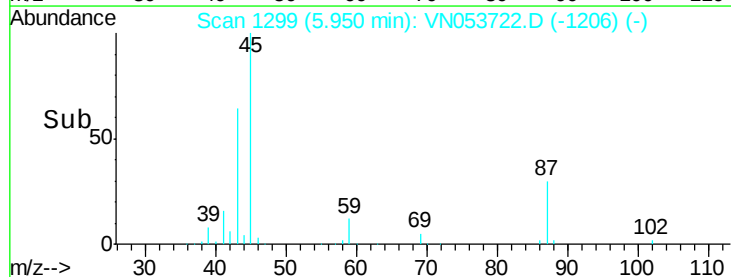
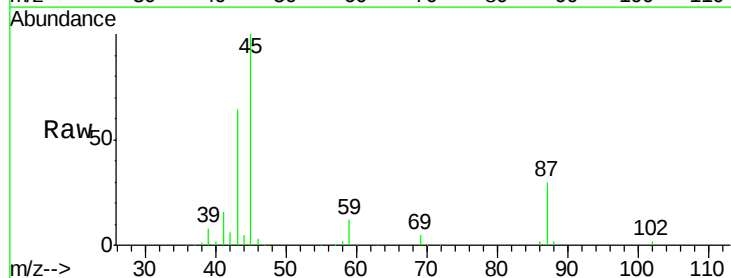
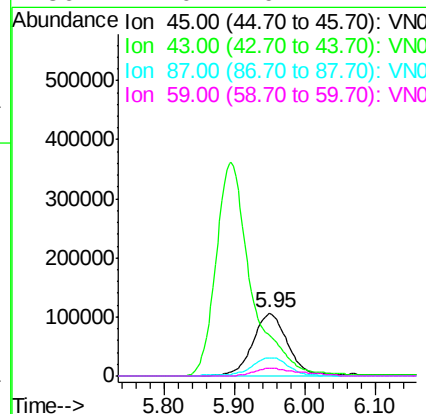
Manual Integrations
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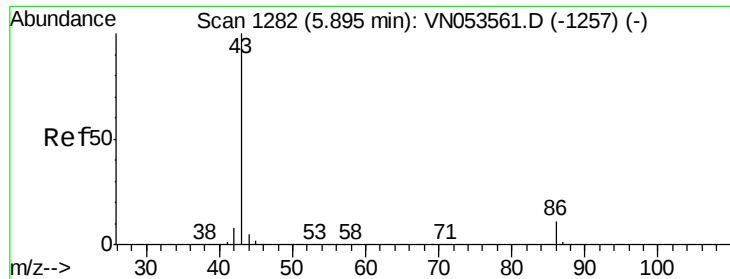
MMDadoda
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#22
Diisopropyl ether
Concen: 20.980 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.7	44.2	66.4
87	28.9	22.7	34.1
59	12.0	9.4	14.2





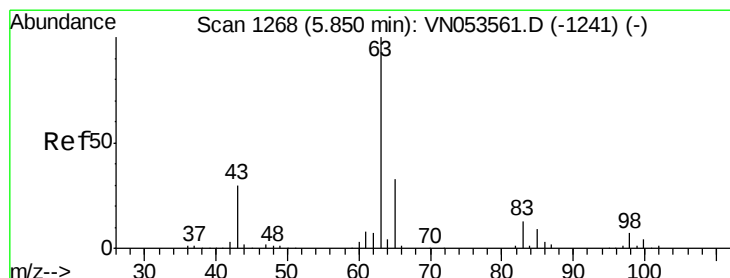
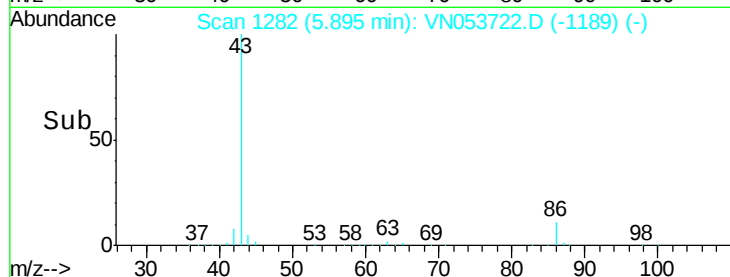
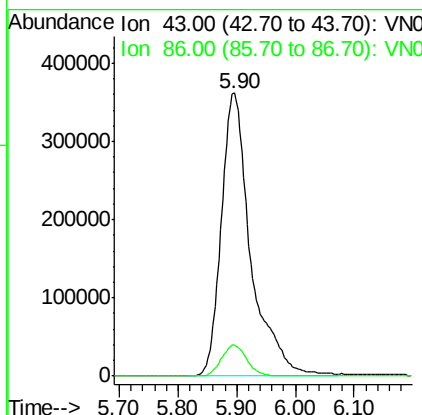
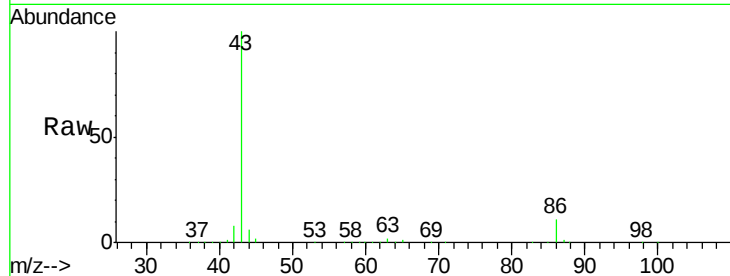
#23
 Vinyl Acetate
 Concen: 103.686 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

Tot Ion: 43 Resp: 1264451
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.4 12.6

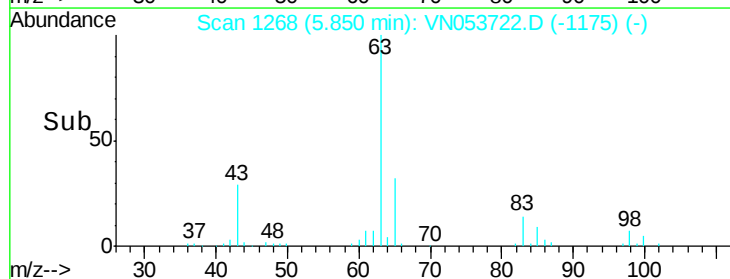
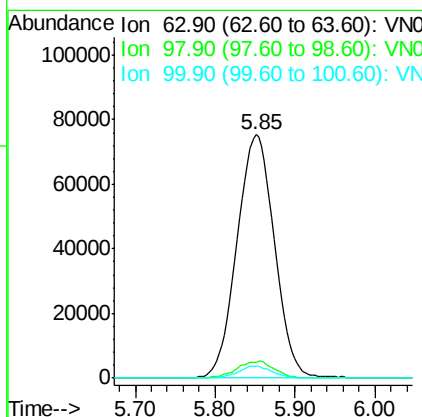
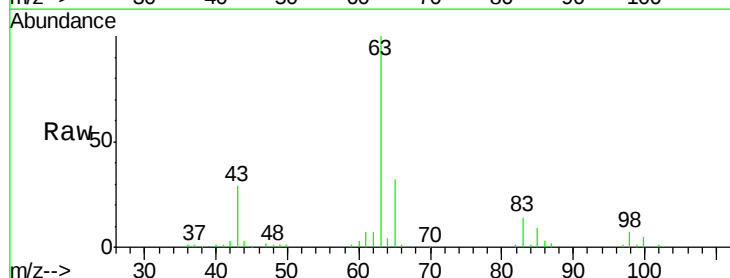
Manual Integrations
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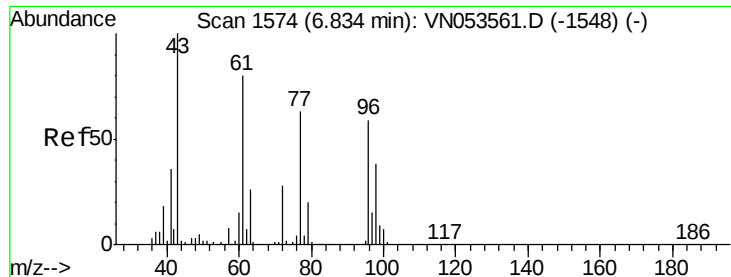
MMDadoda
 2/13/2019 12:15:09 PM



#24
 1,1-Dichloroethane
 Concen: 20.393 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion: 63 Resp: 239775
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 5.0 2.1 6.5





#25

2-Butanone

Concen: 111.146 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0212WBS01

Tot Ion: 43 Resp: 263202

Ion Ratio Lower Upper

43 100

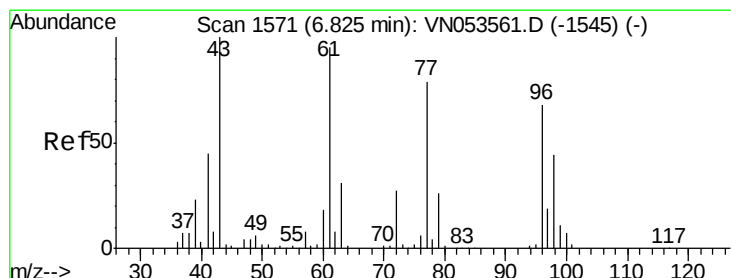
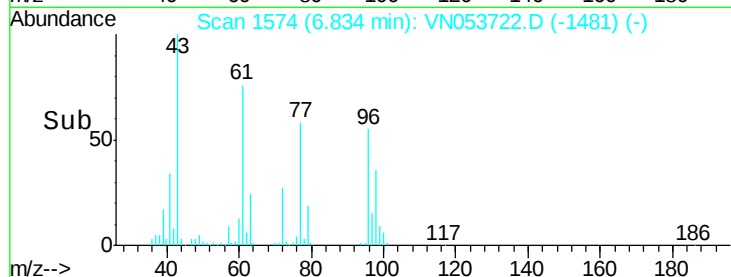
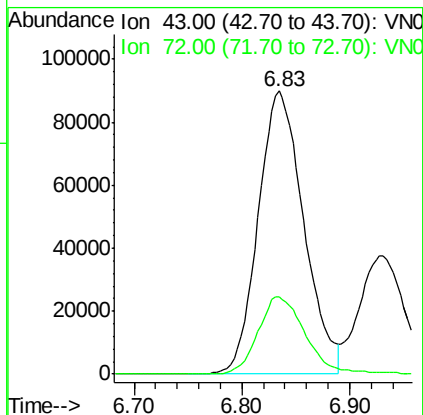
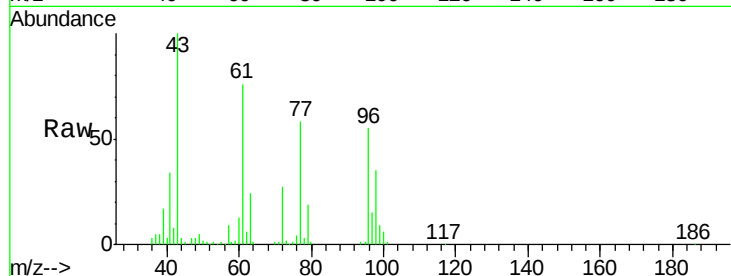
72 27.3 22.0 33.0

Manual Integrations

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2/13/2019 12:15:09 PM



#26

2,2-Dichloropropane

Concen: 20.214 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053722.D

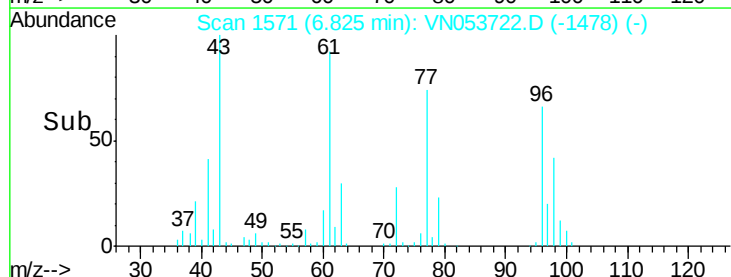
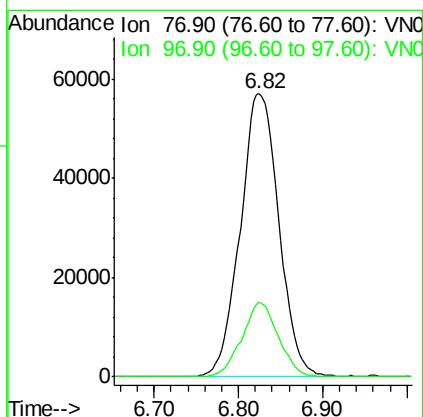
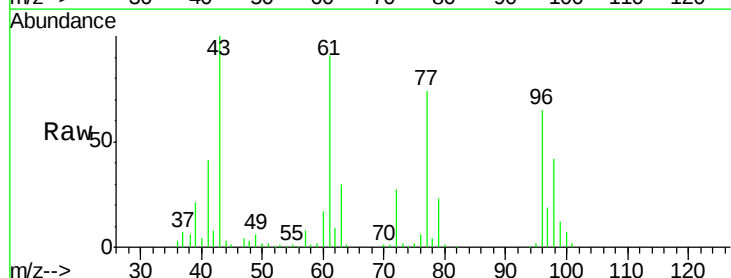
Acq: 12 Feb 2019 11:32

Tgt Ion: 77 Resp: 181433

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.826 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

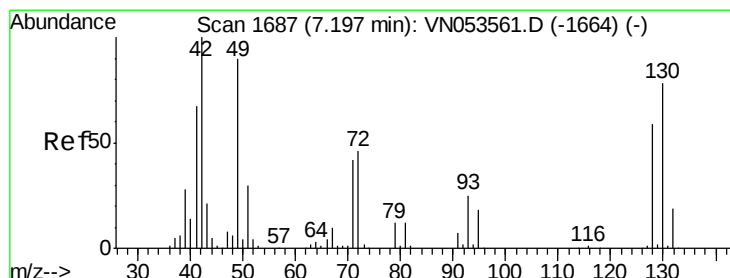
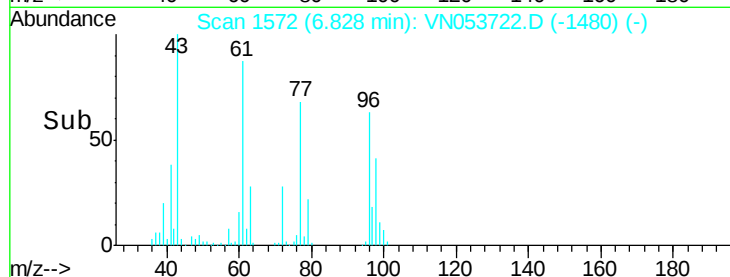
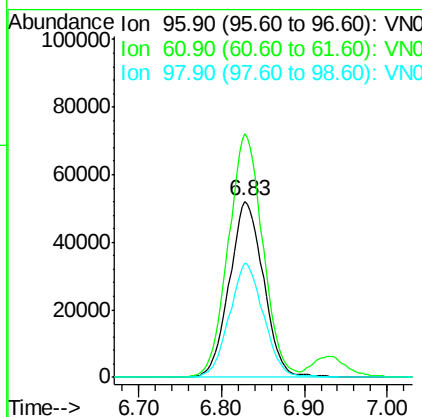
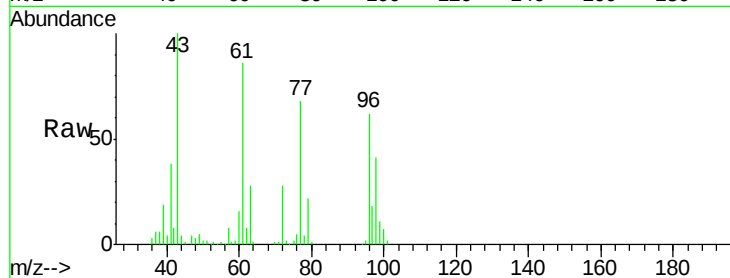
ClientSampleId :

VN0212WBS01

Tot Ion:	96	Resp:	149282
Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	283.8
98	64.5	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 19.723 ug/l

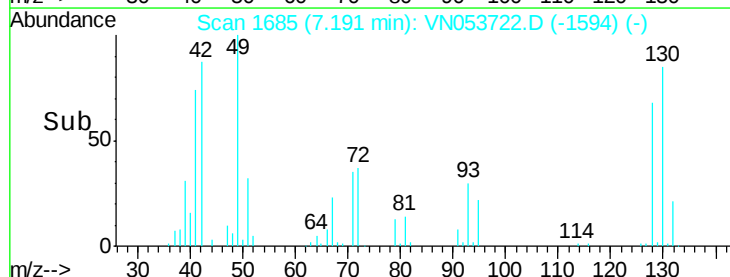
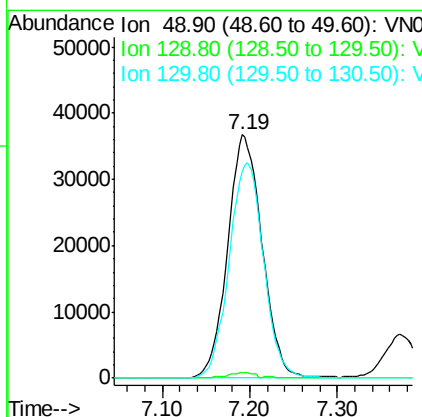
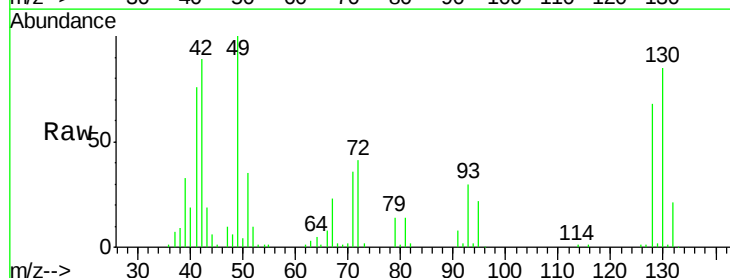
RT: 7.19 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Tgt Ion:	49	Resp:	100637
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	88.3	66.3	99.5





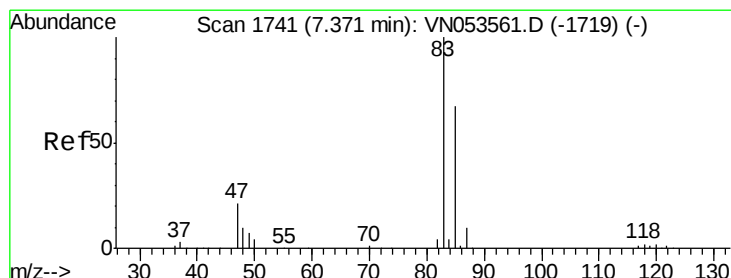
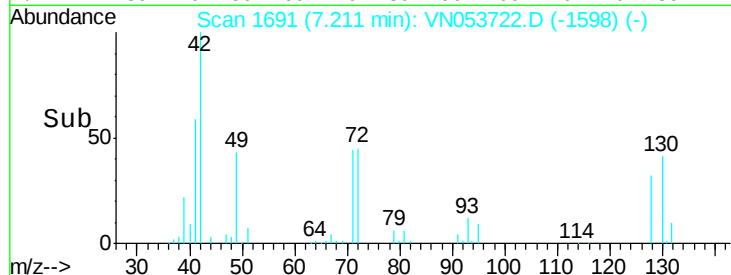
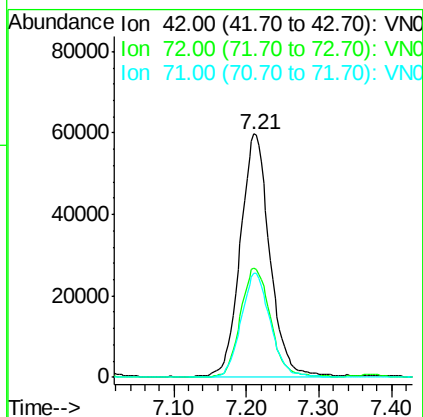
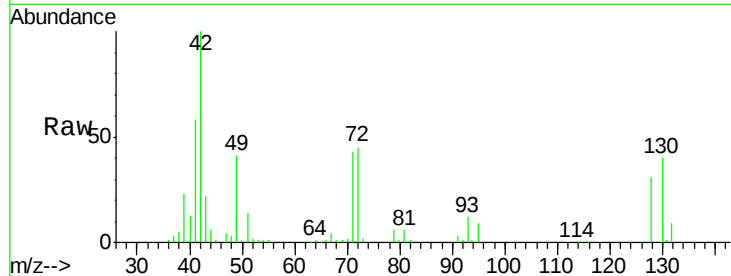
#29
Tetrahydrofuran
Concen: 111.920 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.2	52.8
71	42.3	33.0	49.4

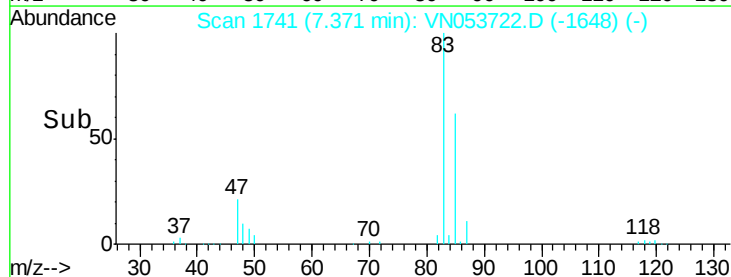
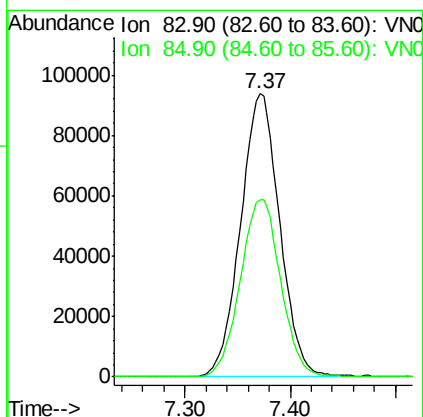
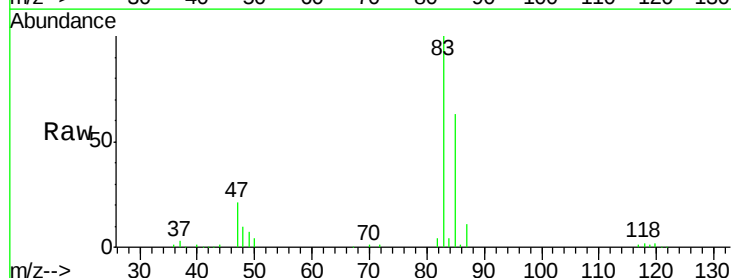
Manual Integrations
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#30
Chloroform
Concen: 20.770 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.2	78.2





#31

Cyclohexane

Concen: 19.376 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

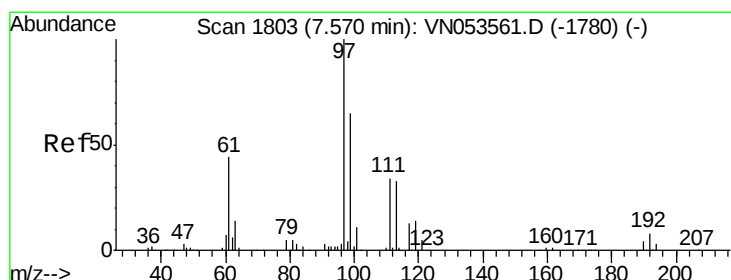
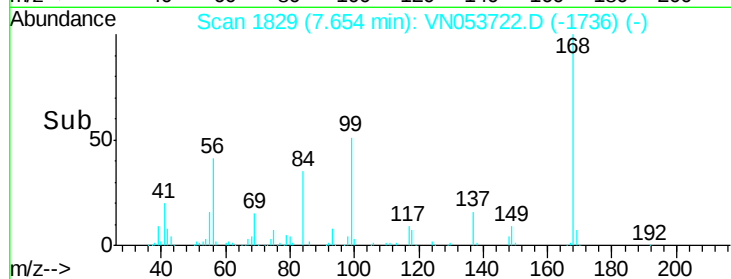
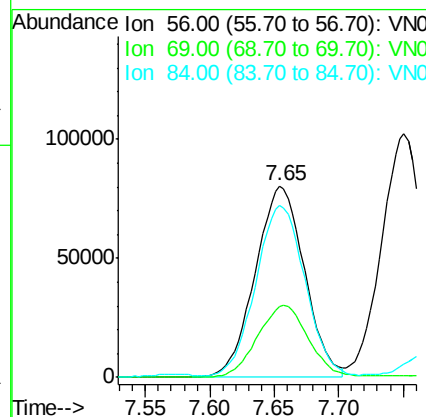
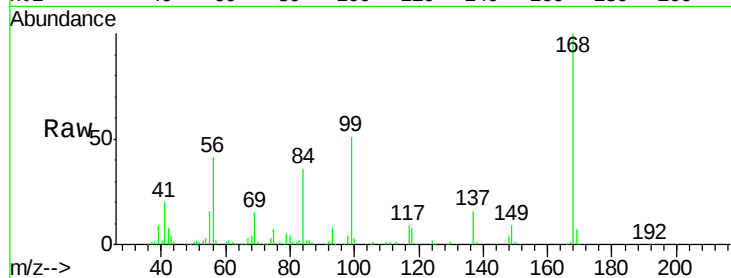
ClientSampled :

VN0212WBS01

Tot Ion:	56	Resp:	213248
Ion Ratio	Lower	Upper	
56	100		
69	36.9	26.4	39.6
84	88.8	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.622 ug/l

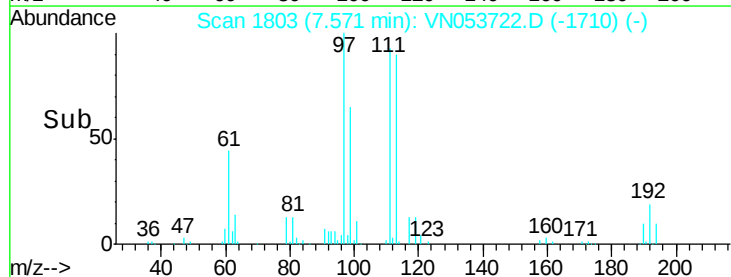
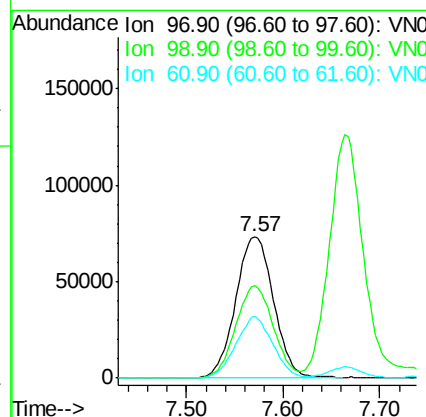
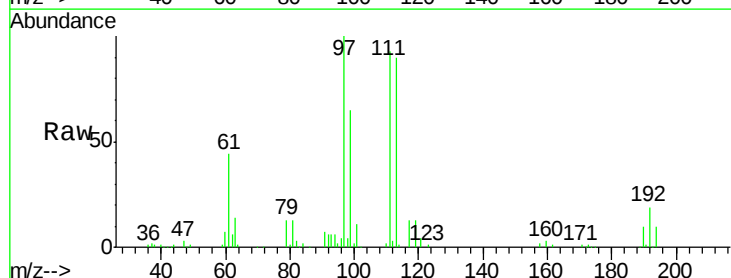
RT: 7.57 min Scan# 1803

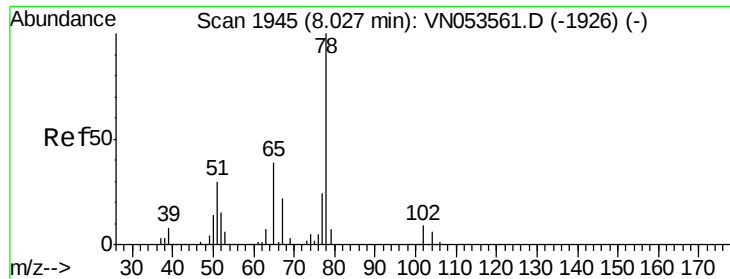
Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Tgt Ion:	97	Resp:	200032
Ion Ratio	Lower	Upper	
97	100		
99	65.0	52.0	78.0
61	42.4	34.4	51.6





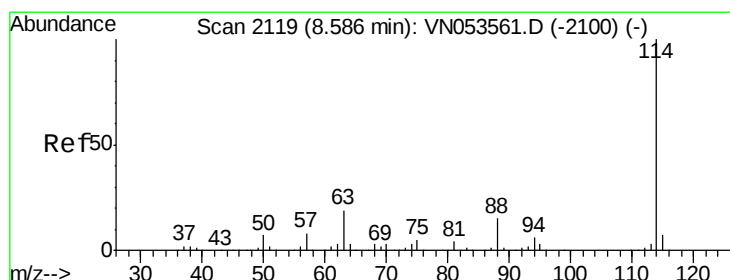
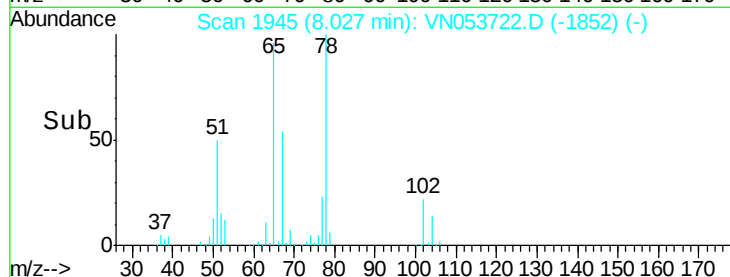
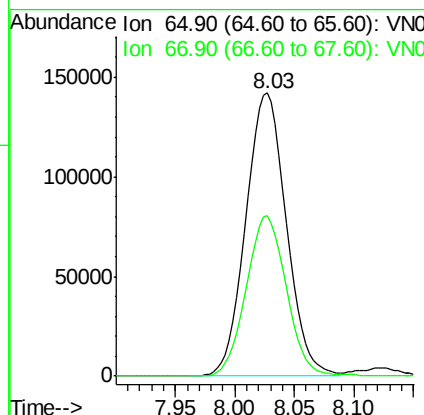
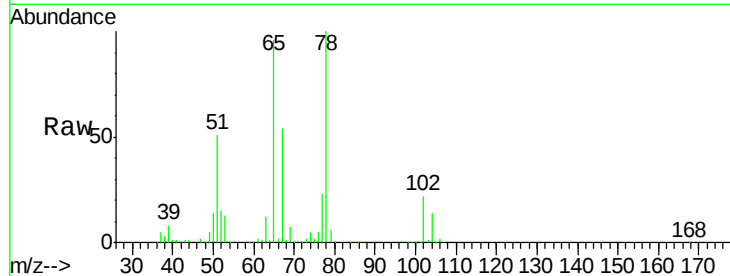
#33
 1,2-Dichloroethane-d4
 Concen: 51.893 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	56.3	0.0	111.2	

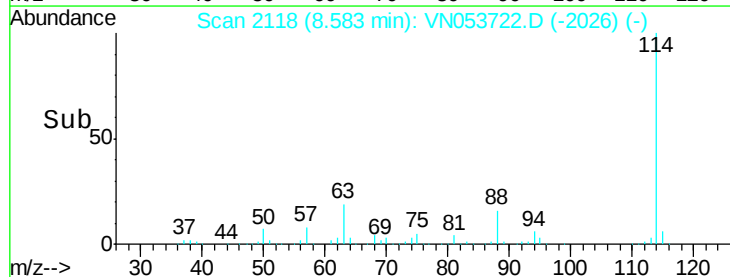
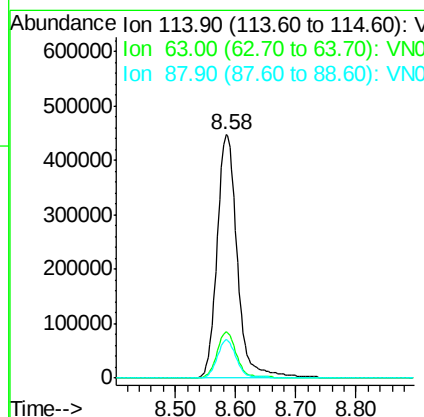
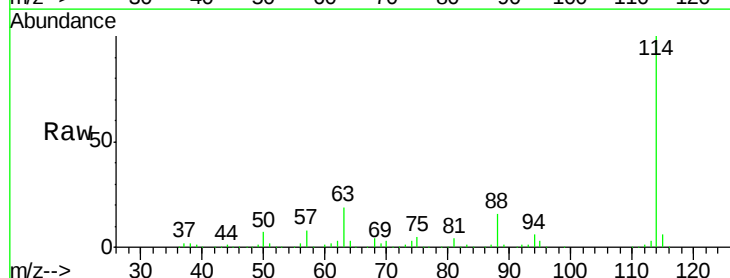
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	38.6	
88	15.7	0.0	30.4	





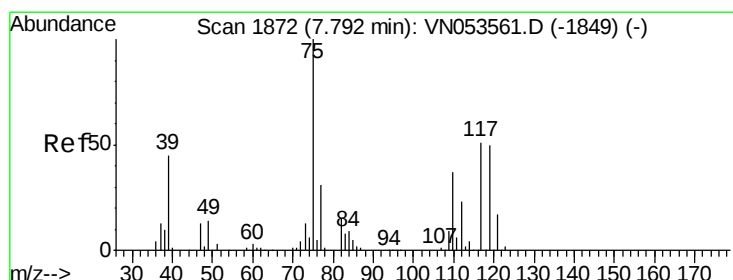
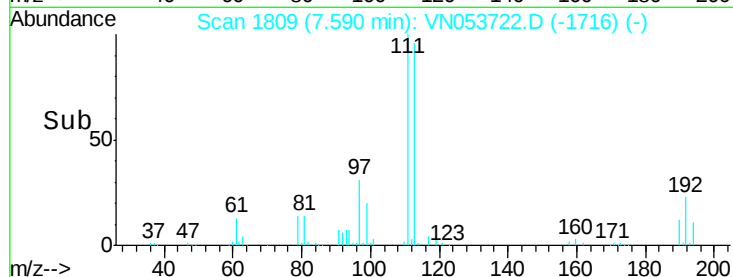
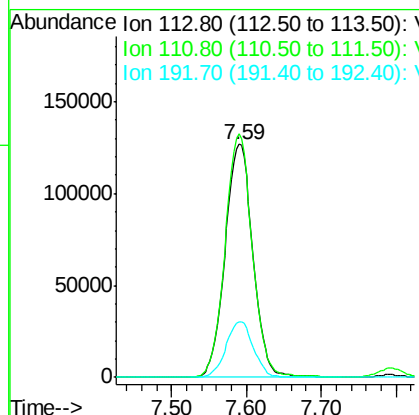
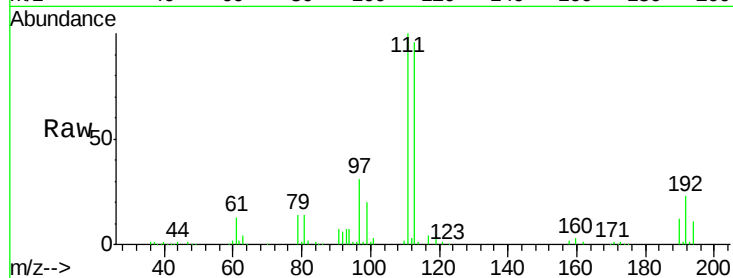
#35
Dibromofluoromethane
Concen: 50.443 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.9	81.1	121.7	
192	23.6	18.2	27.2	

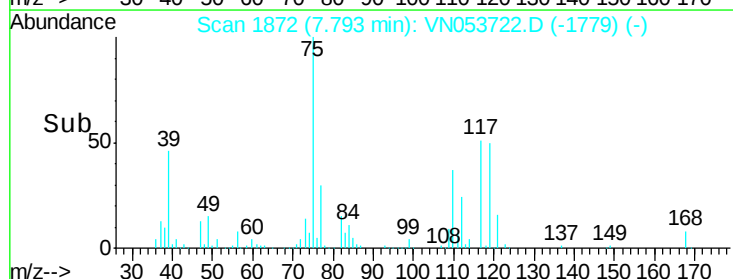
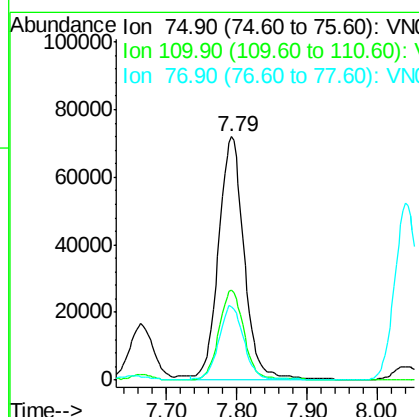
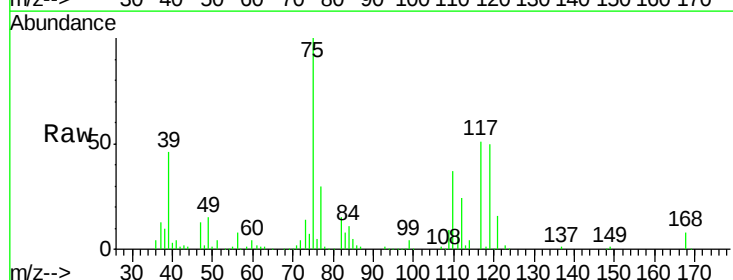
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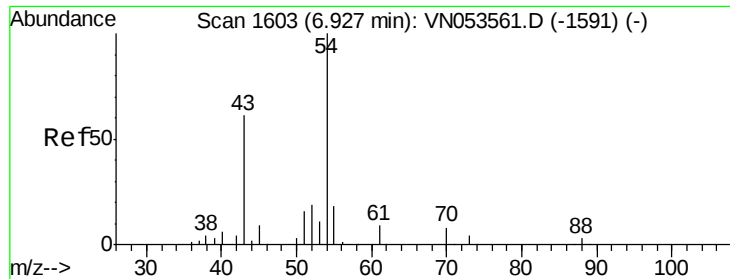
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#36
1,1-Dichloropropene
Concen: 19.599 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	18.1	54.3	
77	29.8	25.1	37.7	





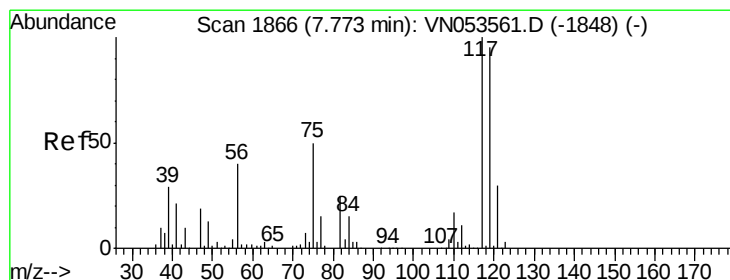
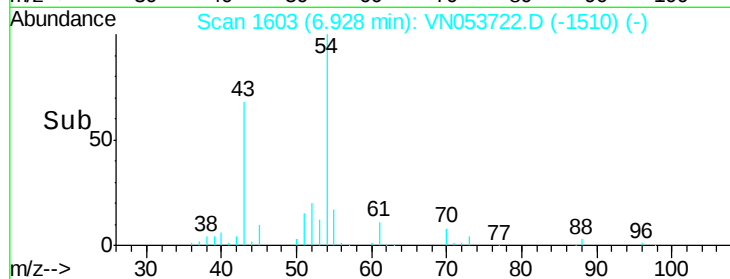
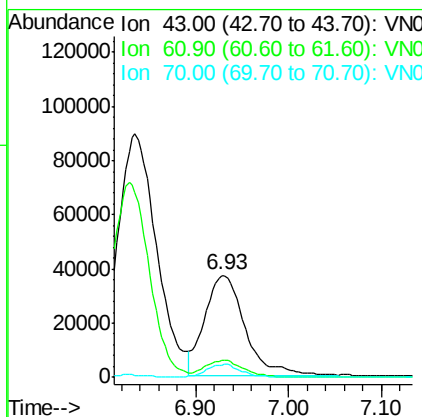
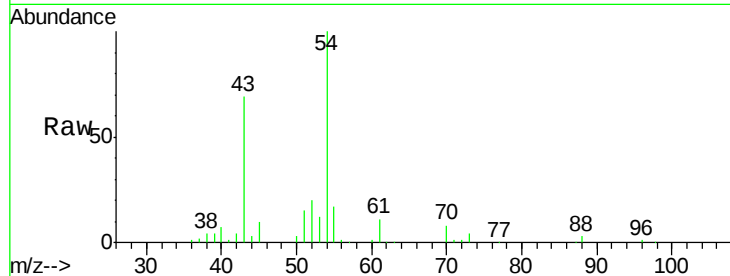
#37
Ethyl Acetate
Concen: 21.685 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.8	17.6
70	11.2	8.6	12.8

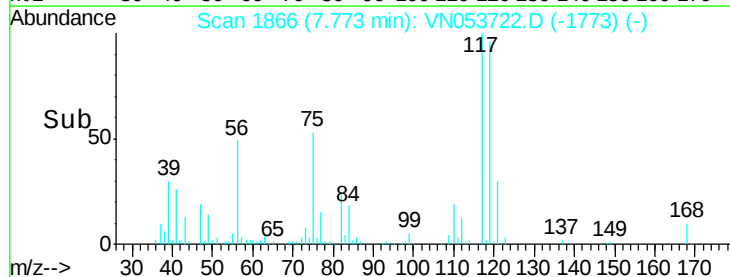
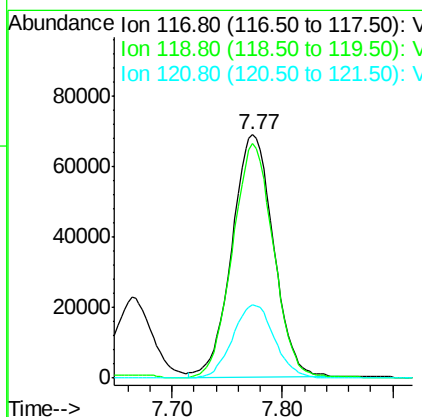
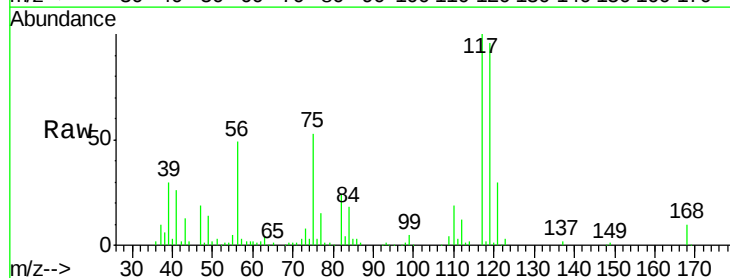
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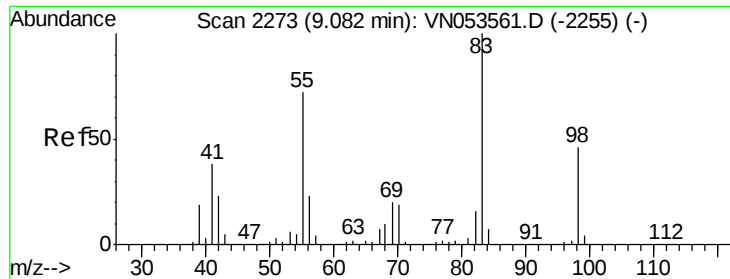
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#38
Carbon Tetrachloride
Concen: 19.221 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.2	115.8
121	30.1	24.6	37.0





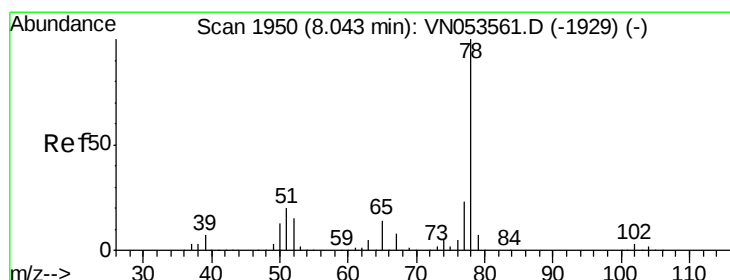
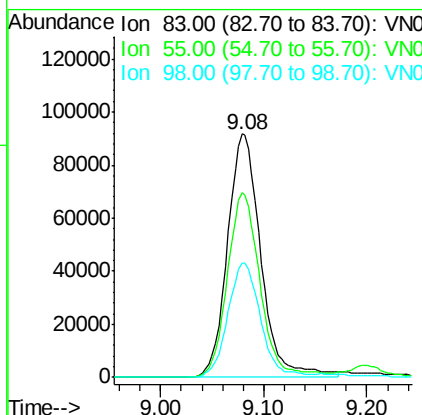
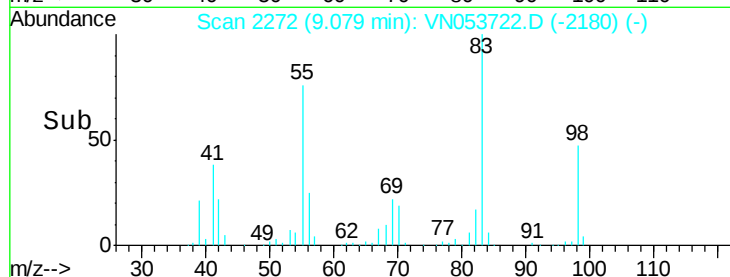
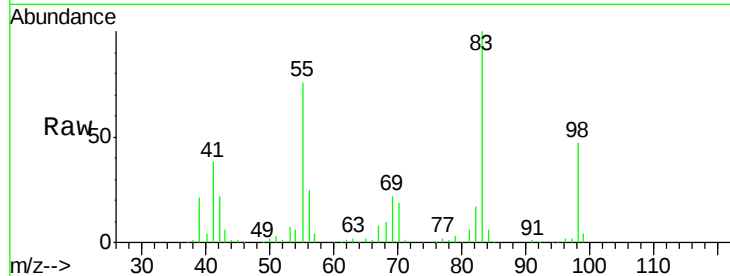
#39
Methvlcvclohexane
Concen: 18.867 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	206750		
55	76.0		60.1	90.1
98	46.8		36.6	55.0

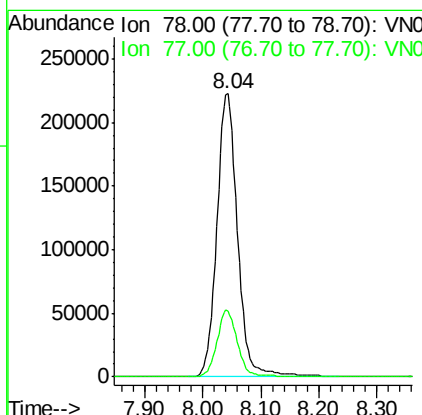
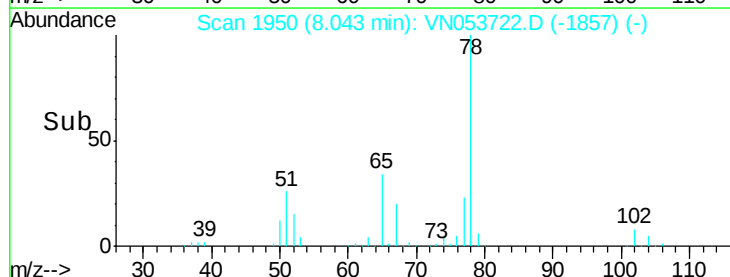
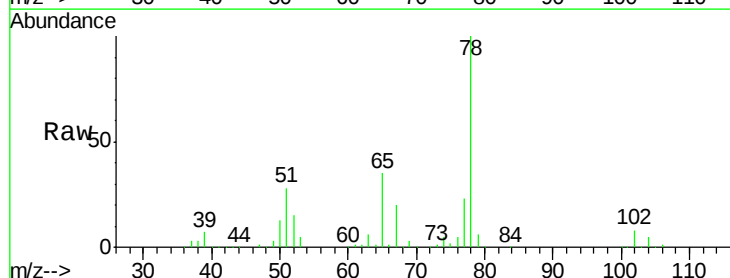
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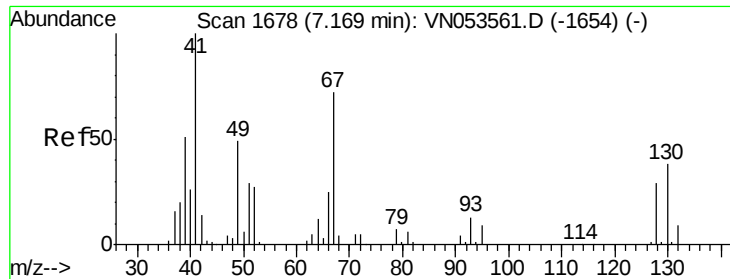
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#40
Benzene
Concen: 19.319 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	550297		
77	23.1		18.8	28.2





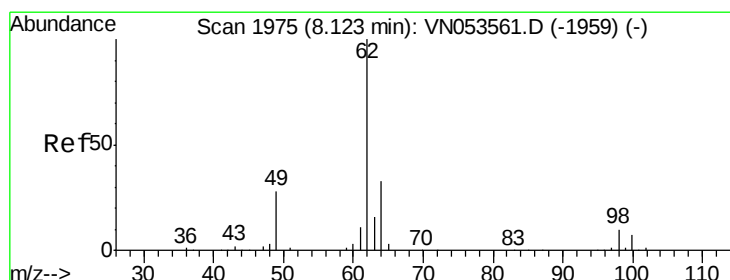
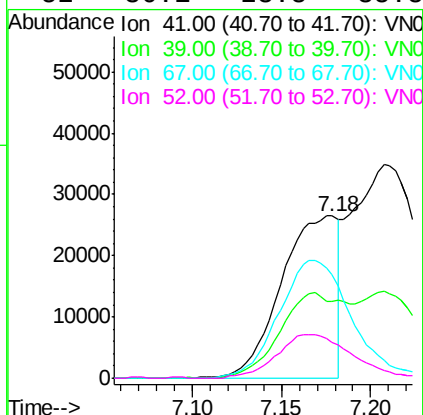
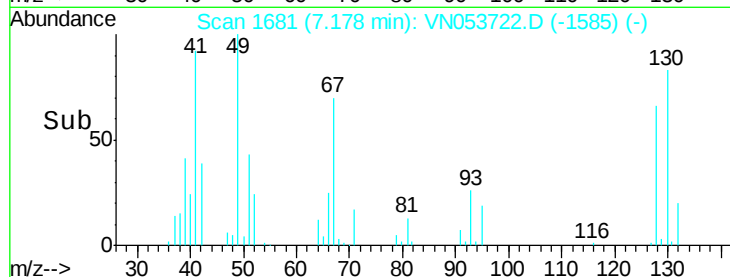
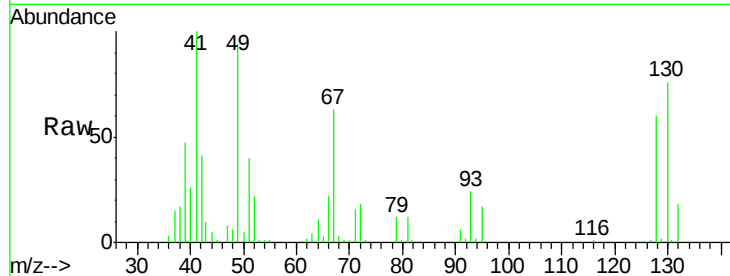
#41
Methacrylonitrile
Concen: 20.186 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.6	46.8	70.2
67	95.1	63.0	94.6#
52	36.1	23.8	35.8#

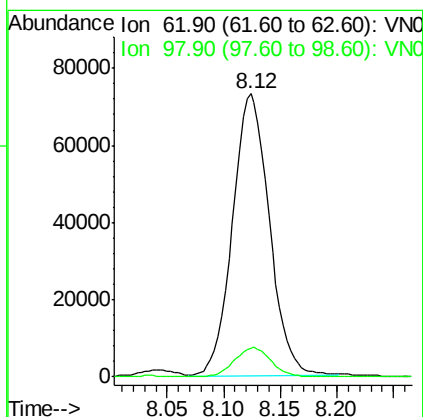
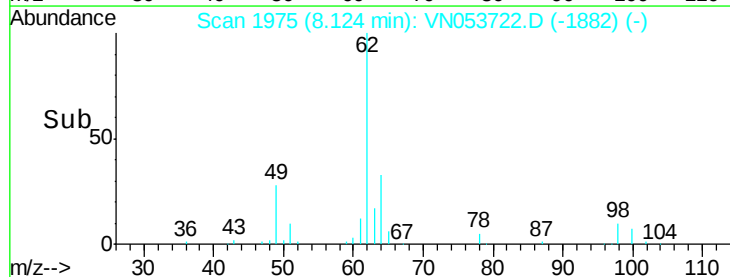
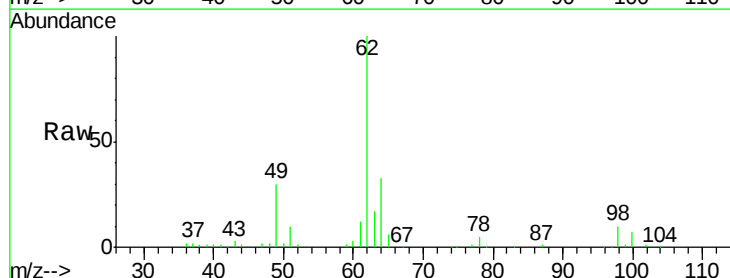
Manual Integrations
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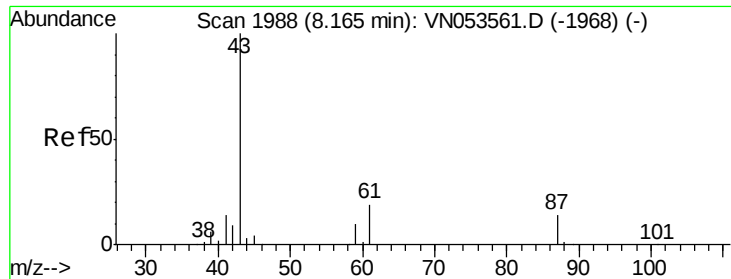
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.548 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.6





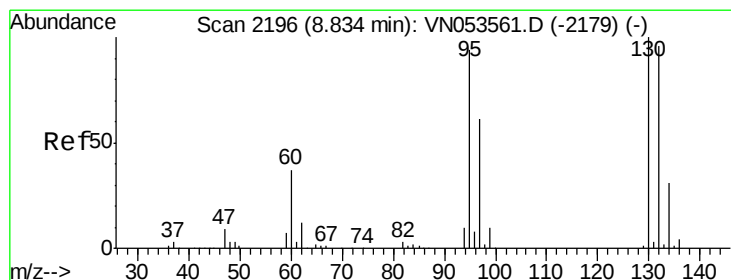
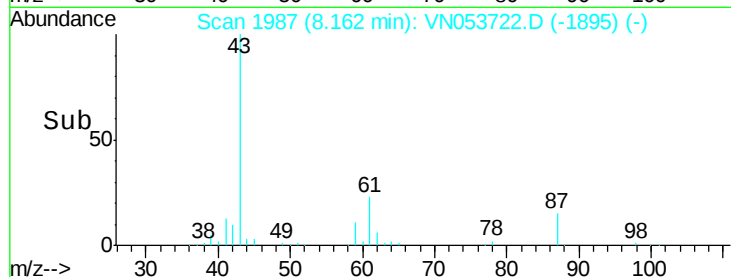
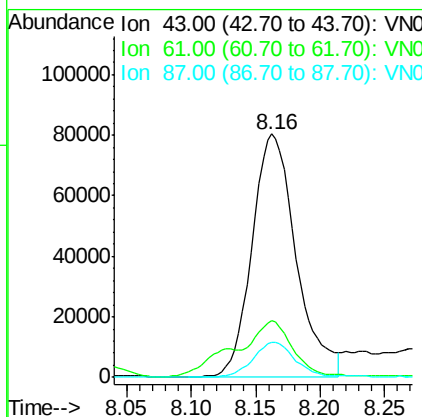
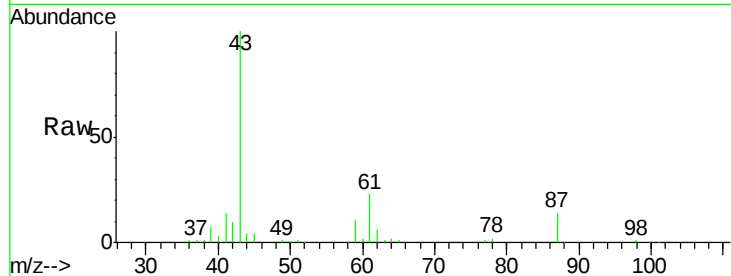
#43
Isopropyl Acetate
Concen: 19.198 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion	43	61	87
Resp	191268		
Ratio	100	19.7	14.2
Lower		23.9	11.0
Upper		35.9	16.6

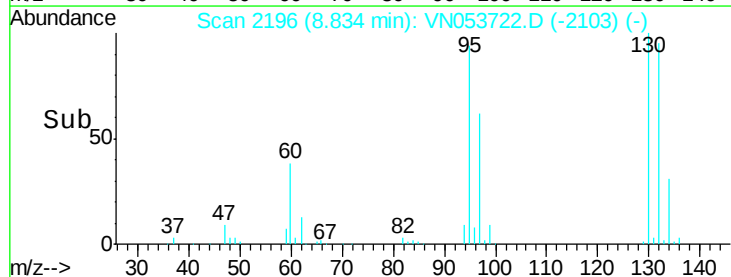
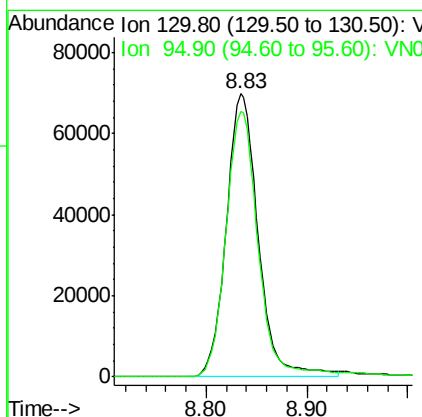
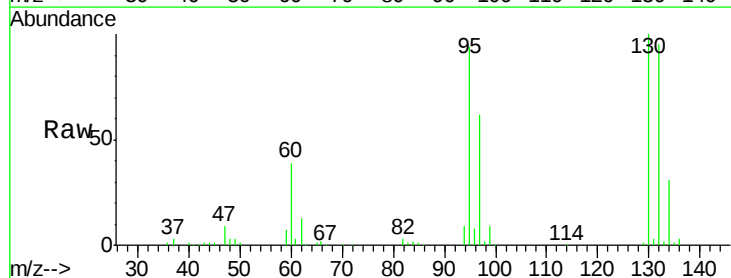
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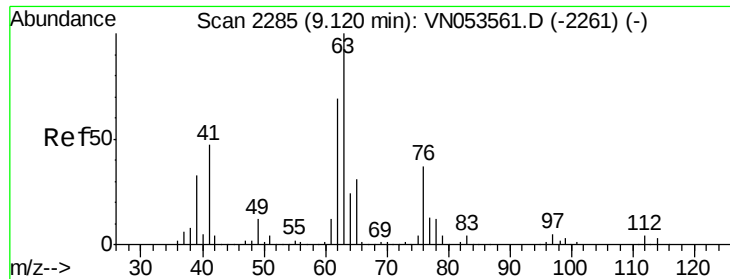
MMDadoda
2/13/2019 12:15:09 PM



#44
Trichloroethene
Concen: 18.975 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	130	95
Resp	153875	
Ratio	100	93.8
Lower		0.0
Upper		191.4





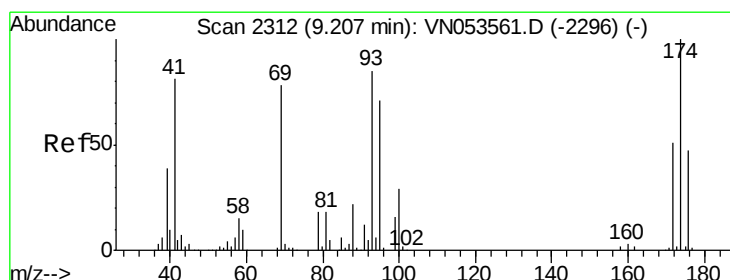
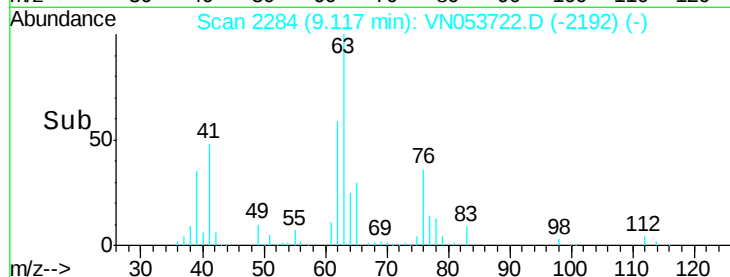
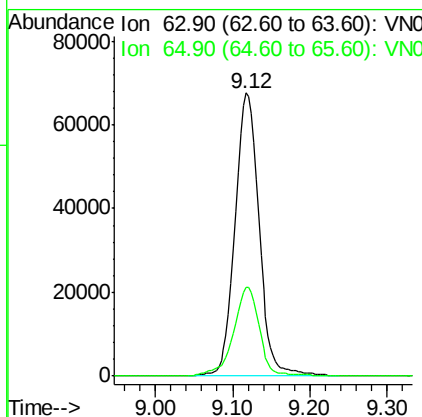
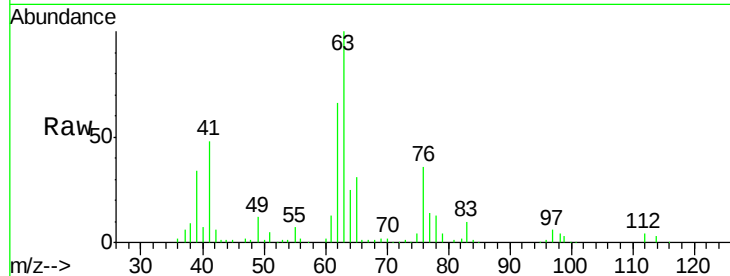
#45
 1,2-Dichloropropane
 Concen: 19.993 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

Tot Ion: 63 Resp: 145655
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4

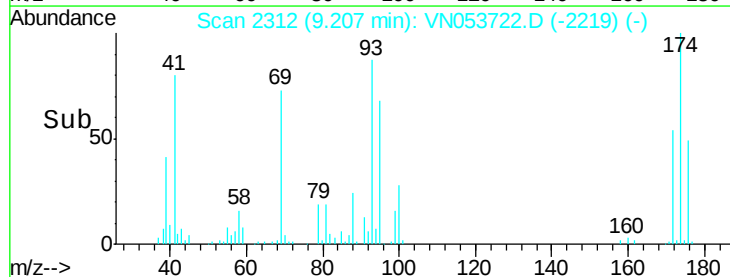
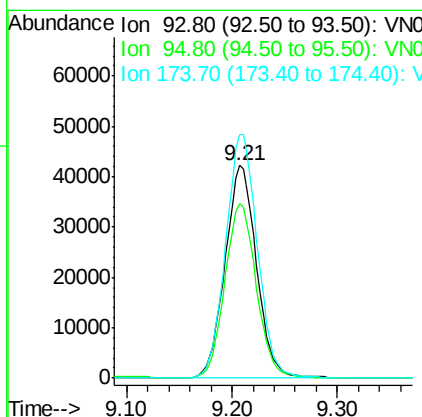
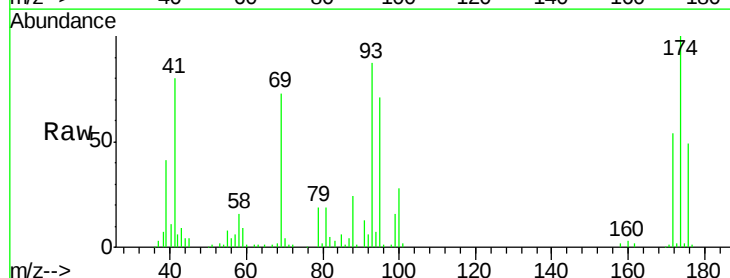
Manual Integrations
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#46
 Dibromomethane
 Concen: 19.850 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion: 93 Resp: 87176
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.3 100.9
 174 115.6 91.0 136.4





#47

Bromodichloromethane

Concen: 19.841 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

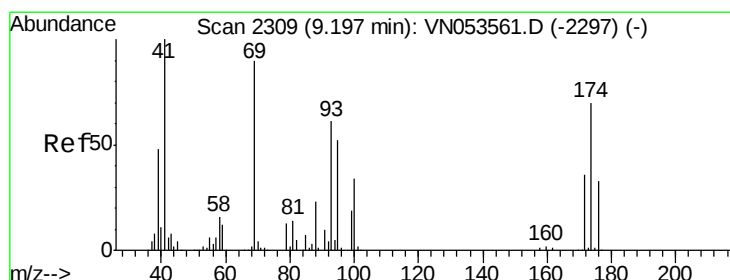
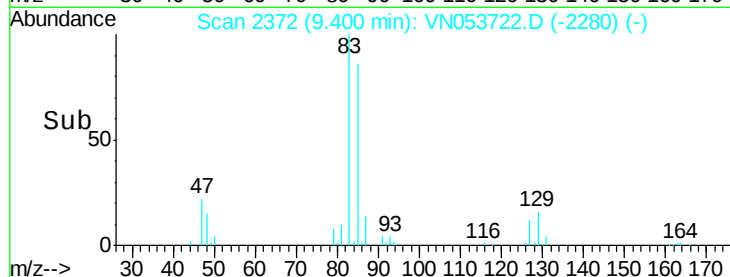
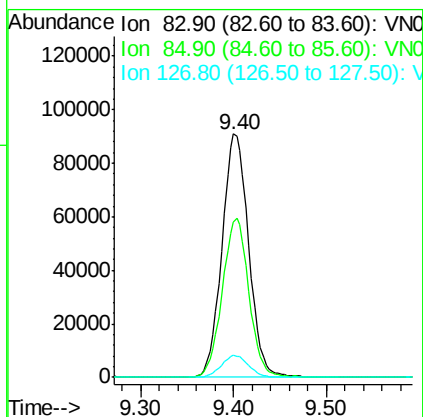
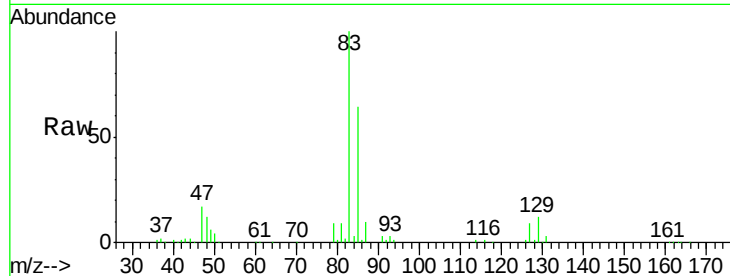
ClientSampleId :

VN0212WBS01

Tot Ion:	83	Resp:	181174
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.0	76.6
127	8.9	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.795 ug/l

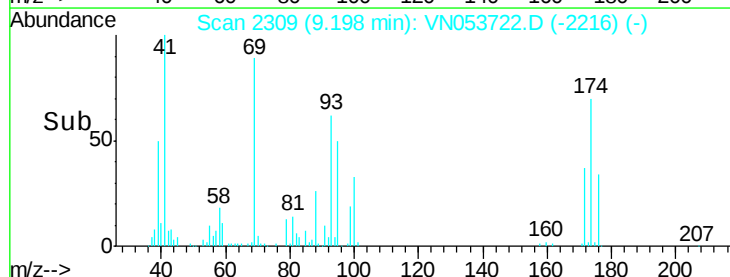
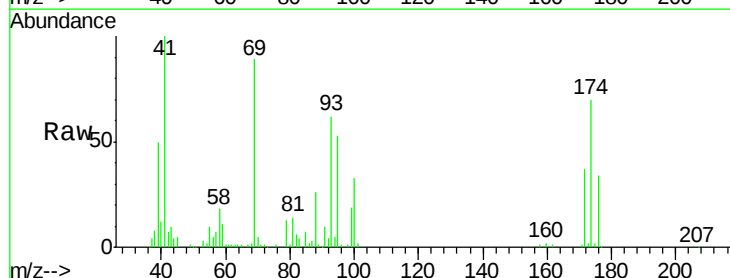
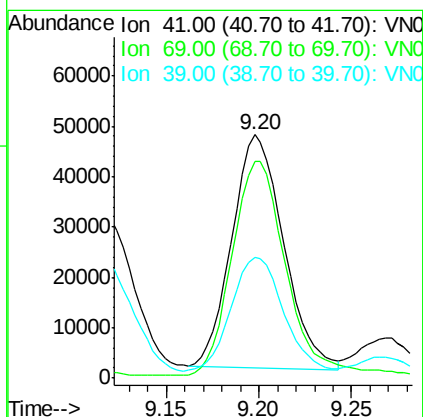
RT: 9.20 min Scan# 2309

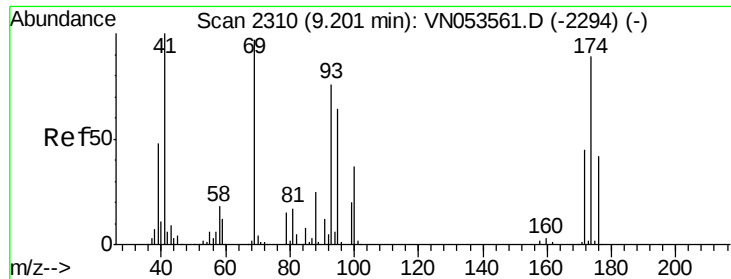
Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Tgt Ion:	41	Resp:	89381
Ion Ratio	Lower	Upper	
41	100		
69	98.5	73.8	110.6
39	55.6	40.0	60.0





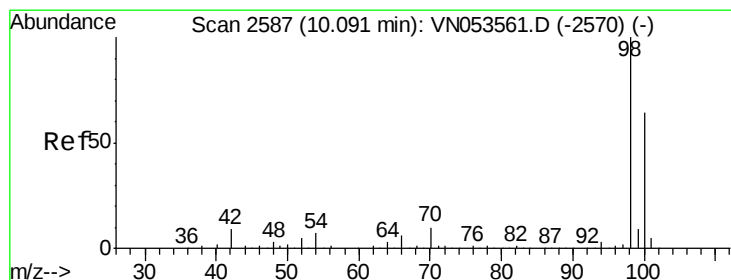
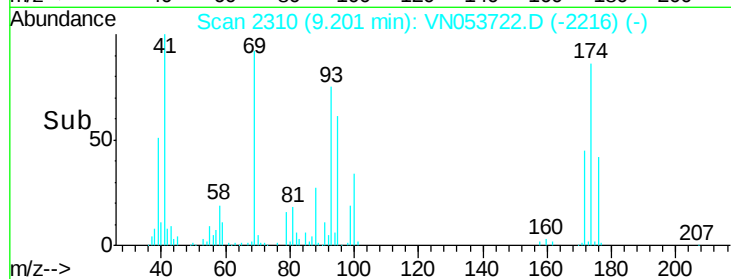
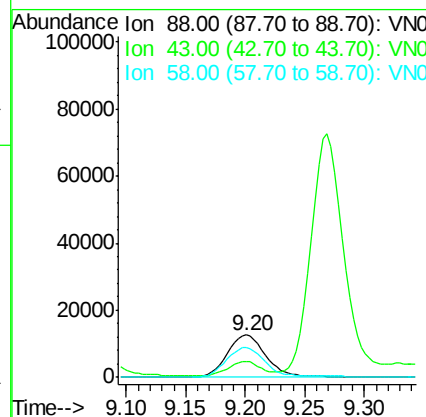
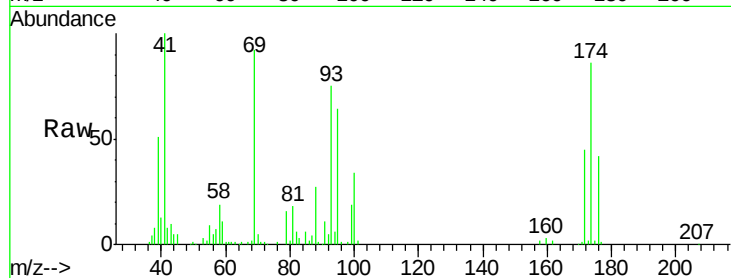
#49
1,4-Dioxane
Concen: 437.141 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.9	27.8	41.6#
58	71.2	56.5	84.7

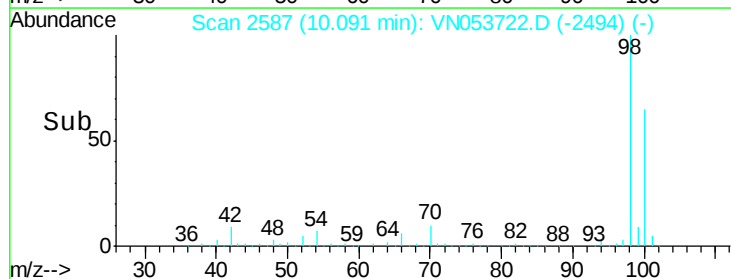
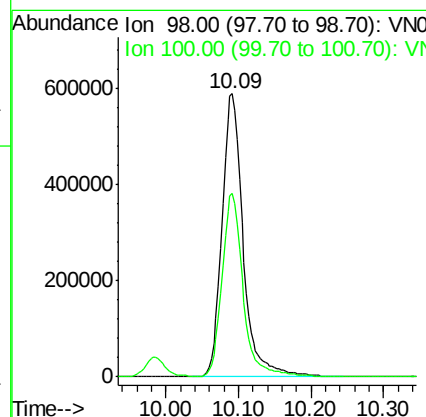
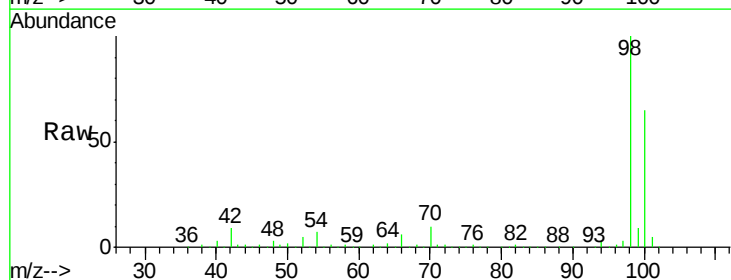
Manual Integrations
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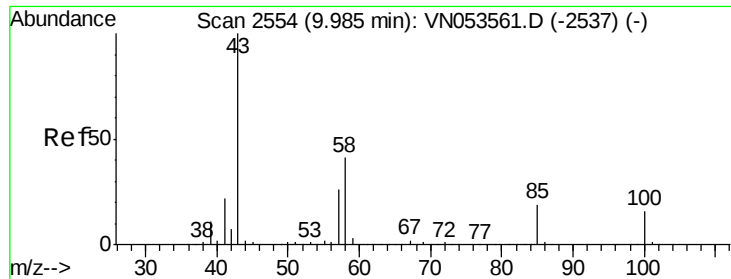
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#50
Toluene-d8
Concen: 49.056 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 103.423 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

Tot Ion: 43 Resp: 506333

Ion Ratio Lower Upper

43 100

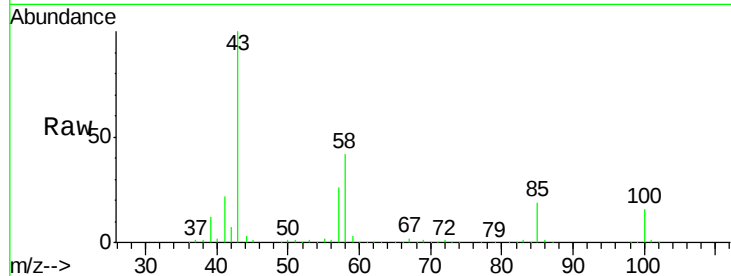
58 40.7 32.8 49.2

Manual Integrations

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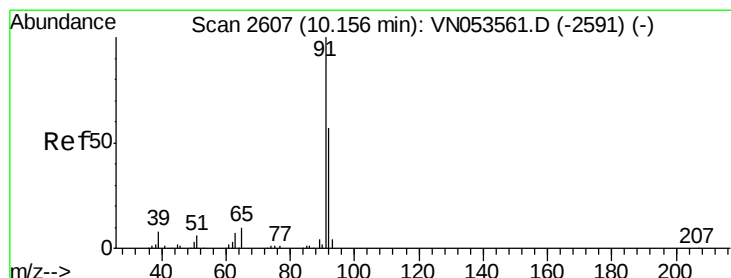
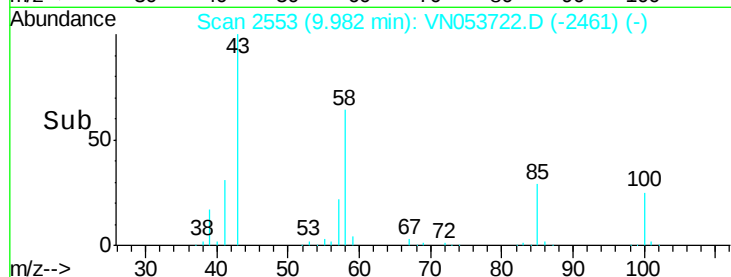
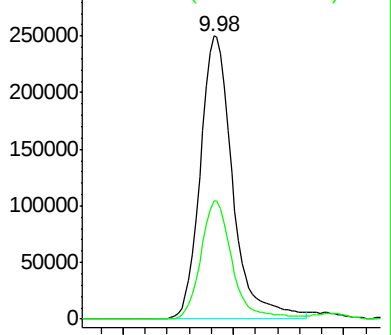
MMDadoda

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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: 19.876 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053722.D

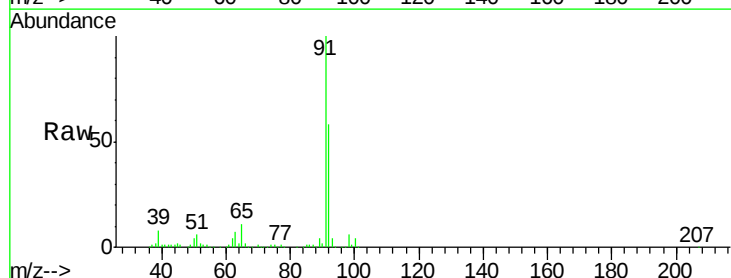
Acq: 12 Feb 2019 11:32

Tgt Ion: 92 Resp: 336004

Ion Ratio Lower Upper

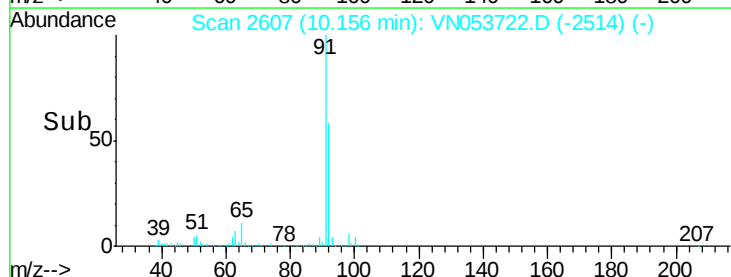
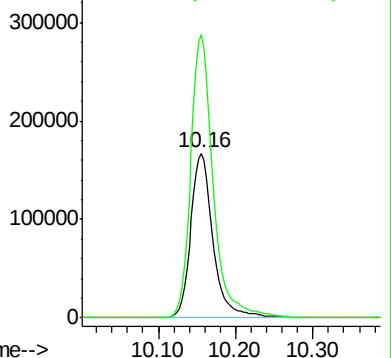
92 100

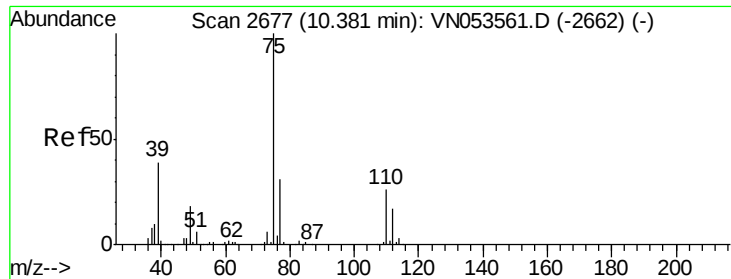
91 172.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





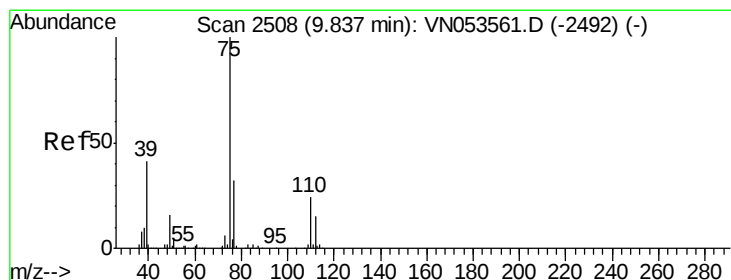
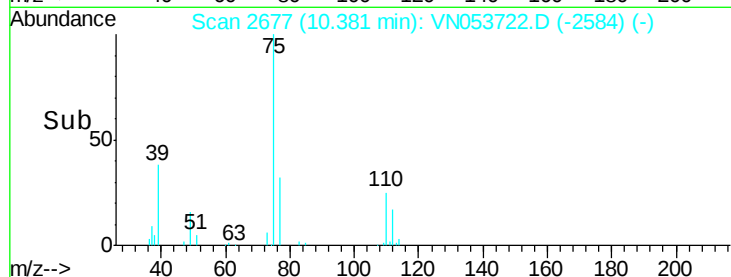
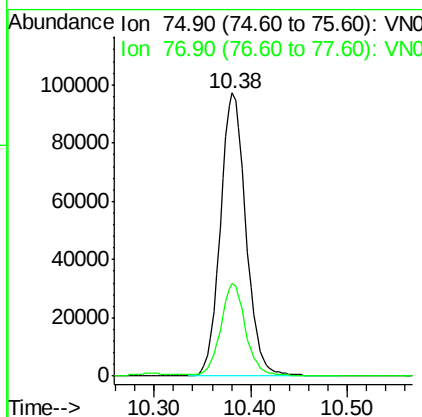
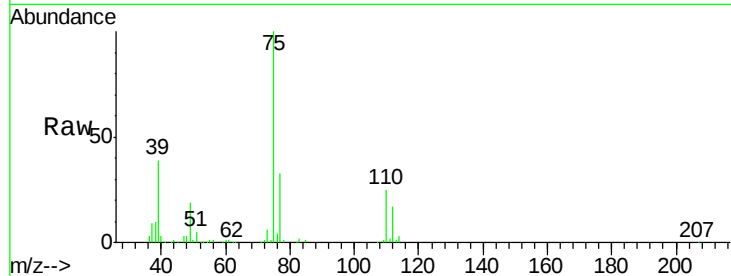
#53
t-1,3-Dichloropropene
Concen: 19.485 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0212WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.5	38.3

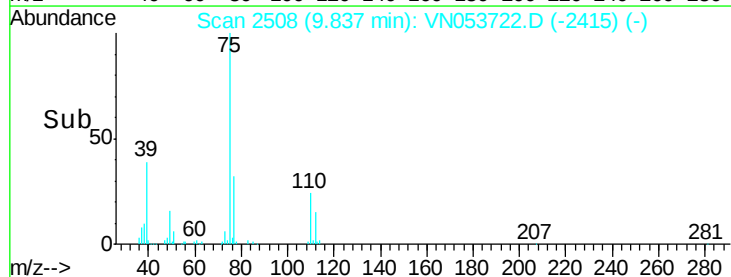
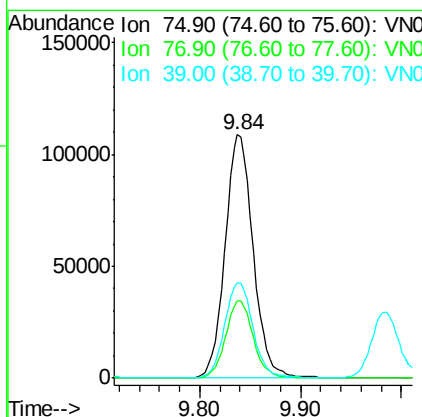
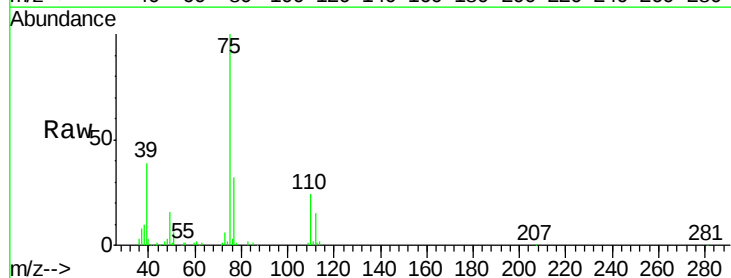
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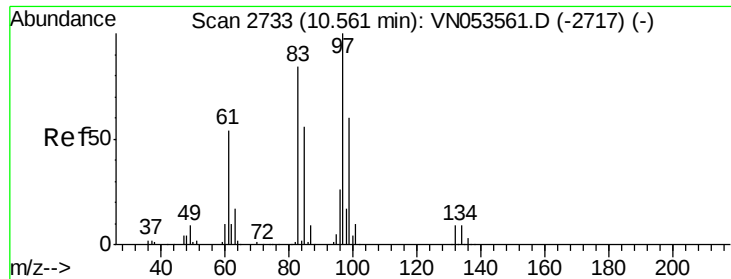
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#54
cis-1,3-Dichloropropene
Concen: 19.531 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6
39	39.1	33.4	50.0





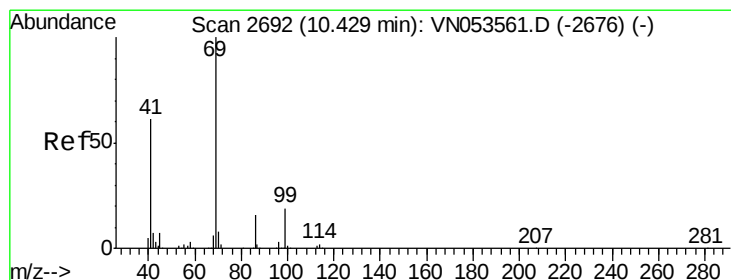
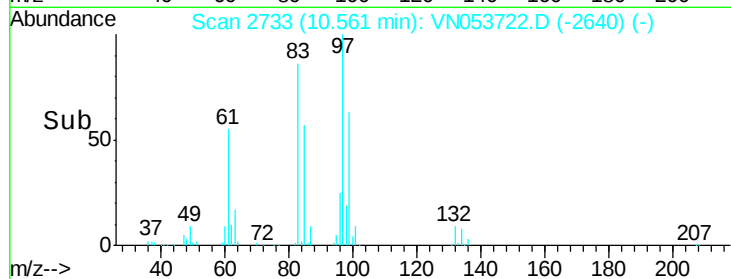
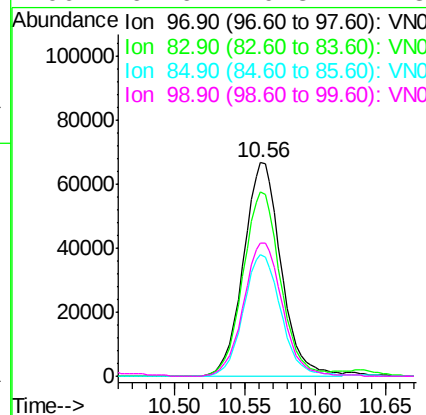
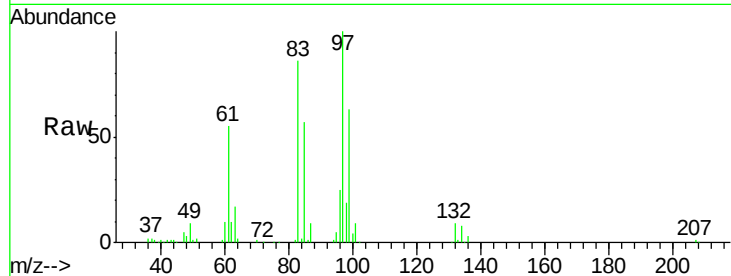
#55
 1,1,2-Trichloroethane
 Concen: 20.438 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		124501		
83	86.4	70.1	105.1		
85	57.0	45.4	68.0		
99	62.6	49.8	74.8		

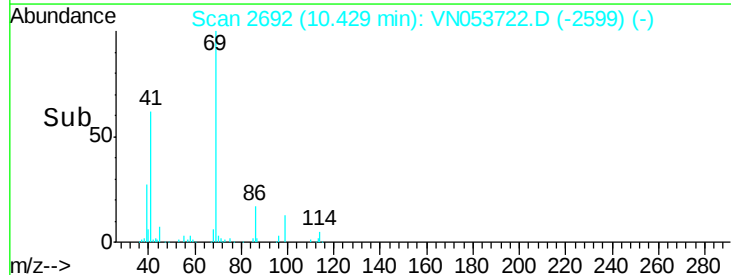
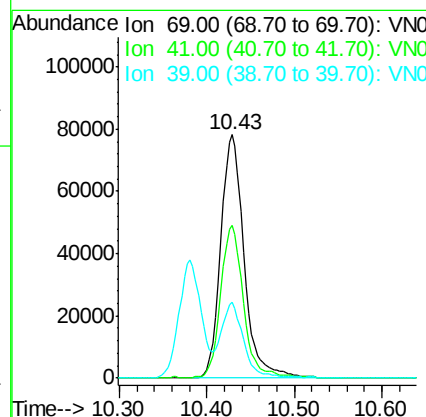
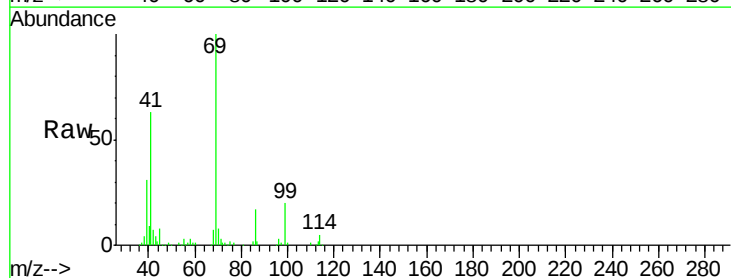
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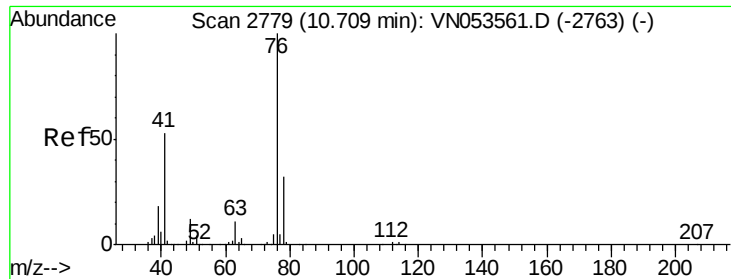
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#56
 Ethyl methacrylate
 Concen: 20.188 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		145481		
41	60.3	49.4	74.0		
39	29.5	23.3	34.9		





#57

1,3-Dichloropropane

Concen: 20.164 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0212WBS01

Tot Ion: 76 Resp: 209928

Ion Ratio Lower Upper

76 100

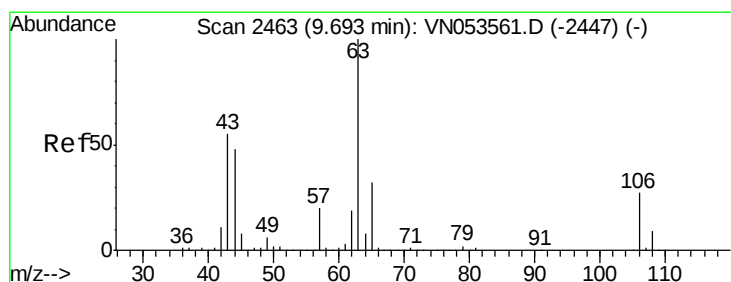
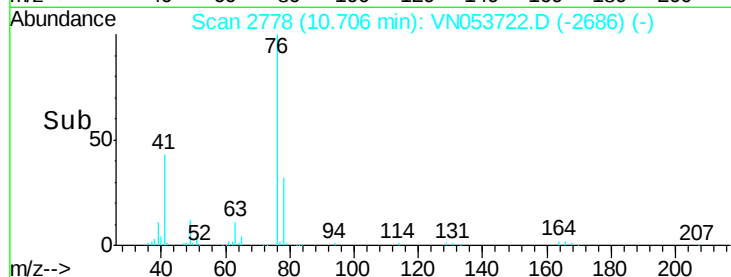
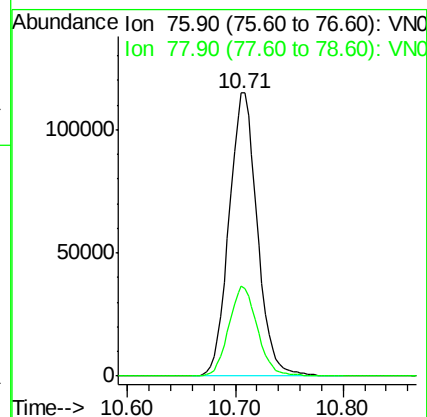
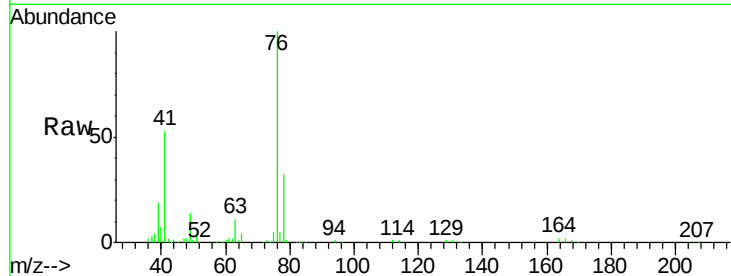
78 32.2 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 82.899 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053722.D

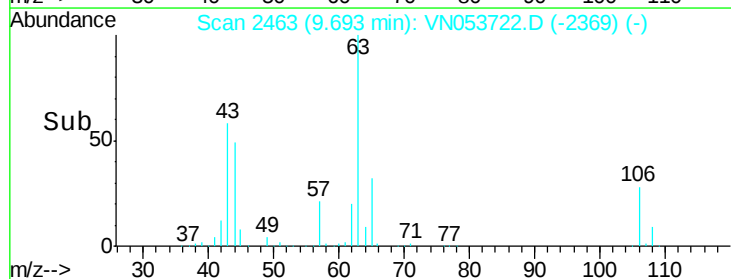
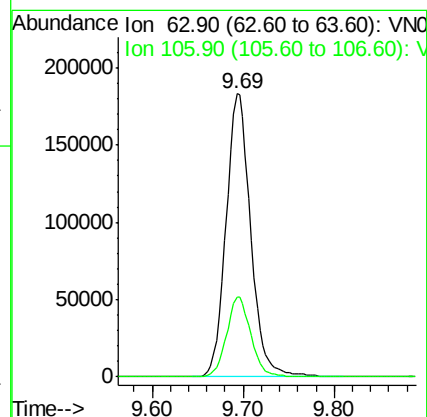
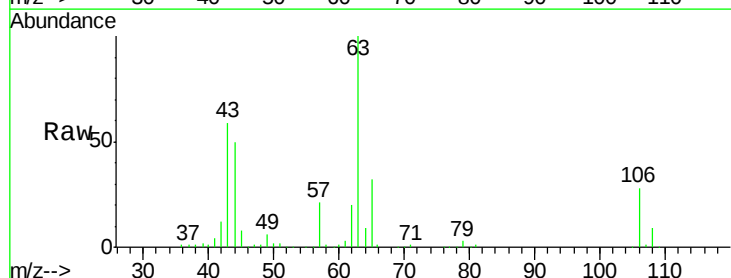
Acq: 12 Feb 2019 11:32

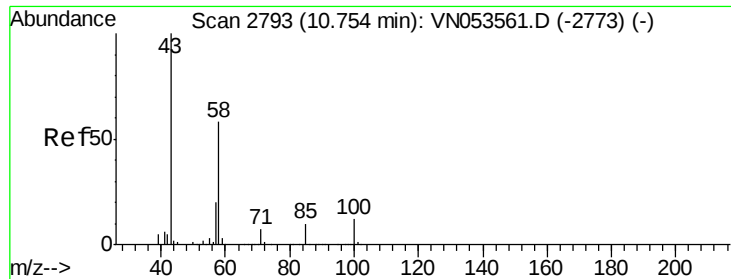
Tgt Ion: 63 Resp: 345777

Ion Ratio Lower Upper

63 100

106 27.7 21.5 32.3





#59

2-Hexanone

Concen: 100.899 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

Tot Ion: 43 Resp: 335346

Ion Ratio Lower Upper

43 100

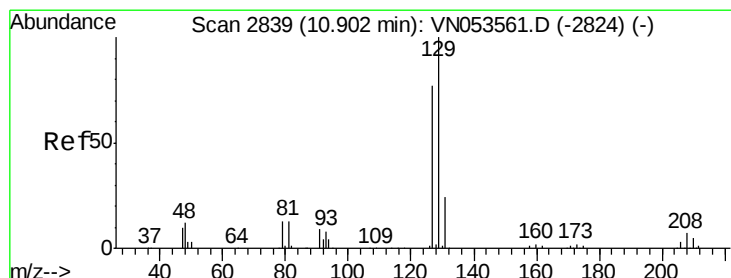
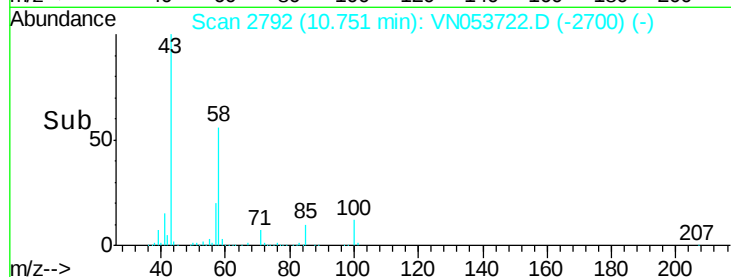
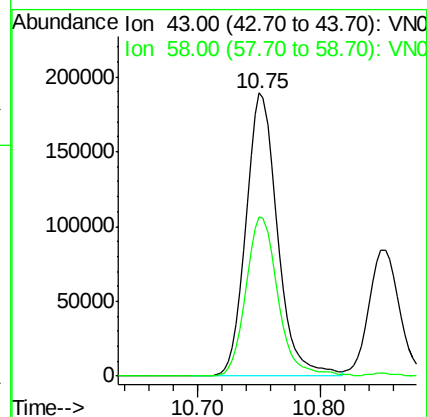
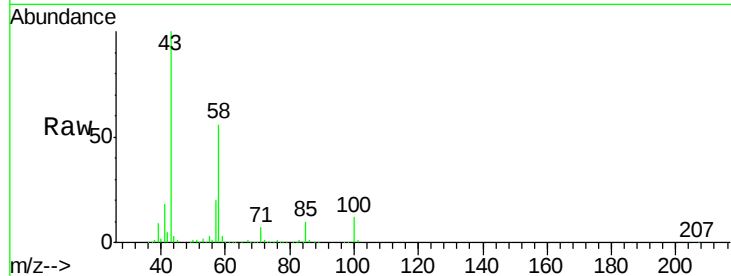
58 57.2 28.6 85.8

Manual Integrations

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#60

Dibromochloromethane

Concen: 20.335 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN053722.D

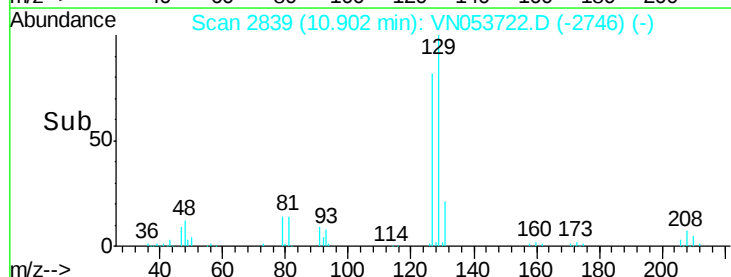
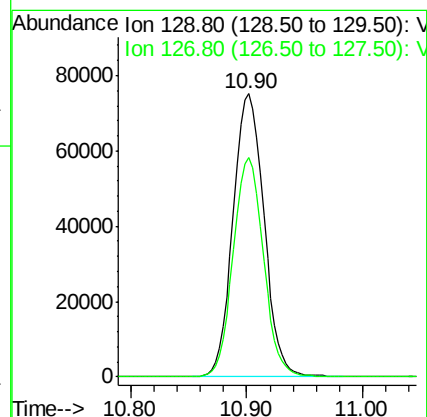
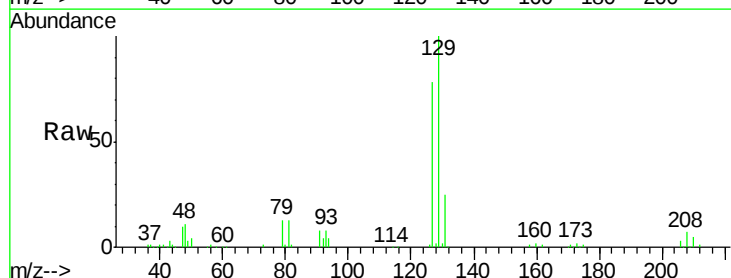
Acq: 12 Feb 2019 11:32

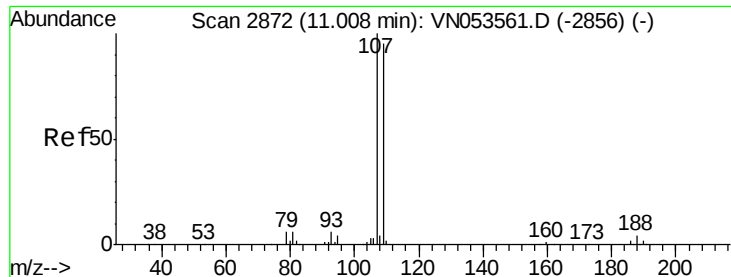
Tgt Ion: 129 Resp: 139686

Ion Ratio Lower Upper

129 100

127 75.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.673 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

Tot Ion: 107 Resp: 118615

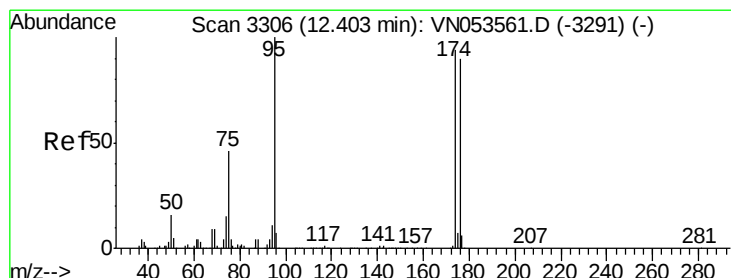
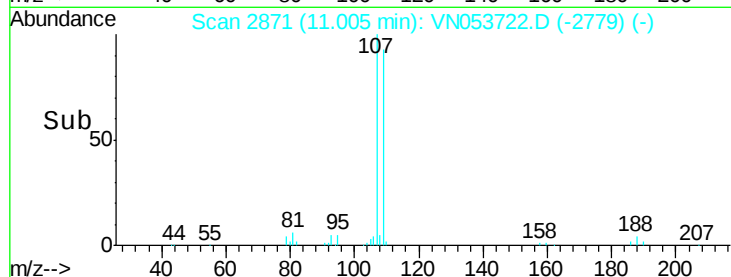
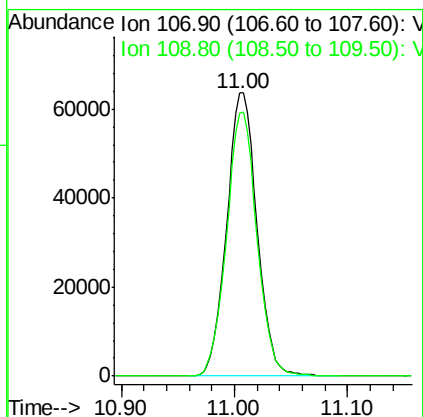
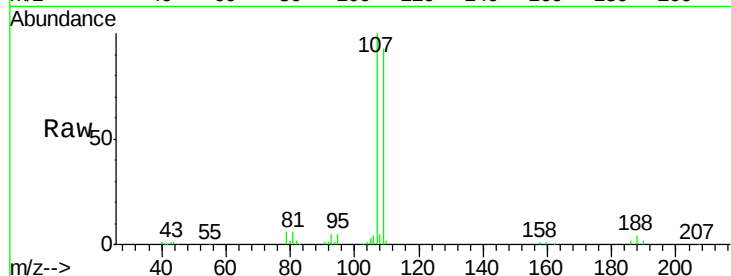
Ion Ratio Lower Upper

107 100

109 93.6 75.7 113.5

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.216 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

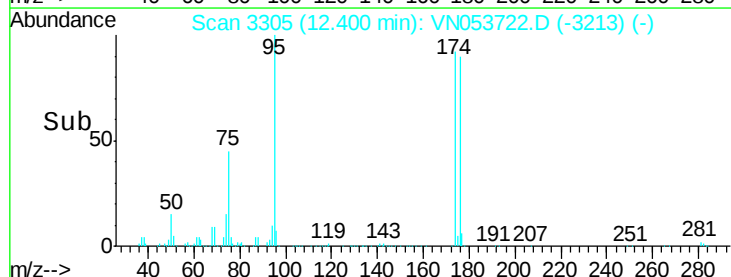
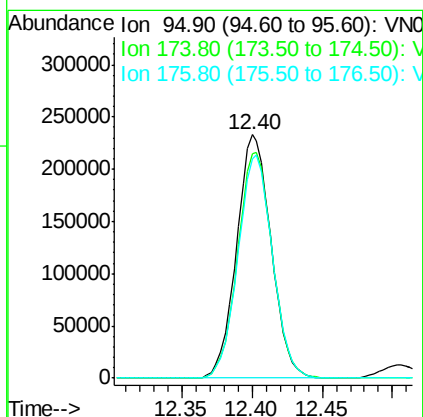
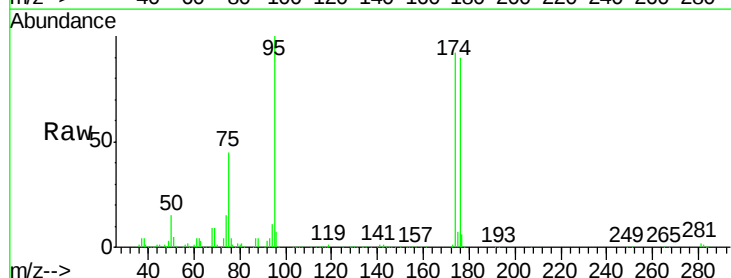
Tgt Ion: 95 Resp: 399050

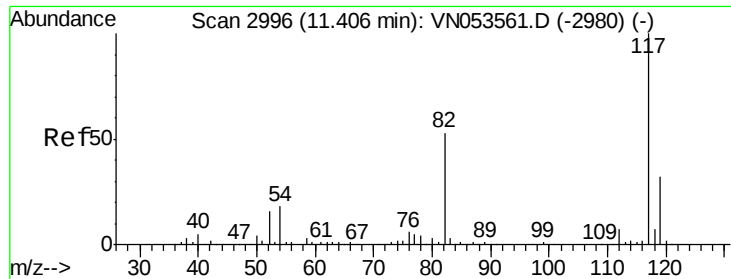
Ion Ratio Lower Upper

95 100

174 93.4 0.0 183.2

176 91.8 0.0 177.4





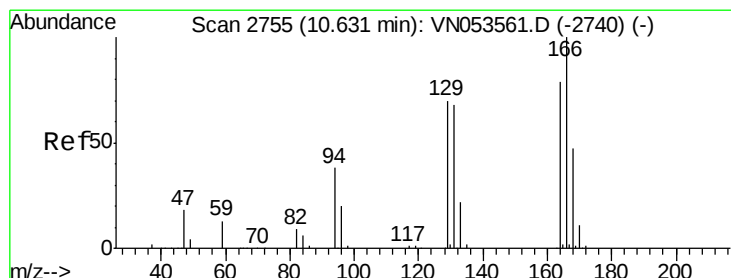
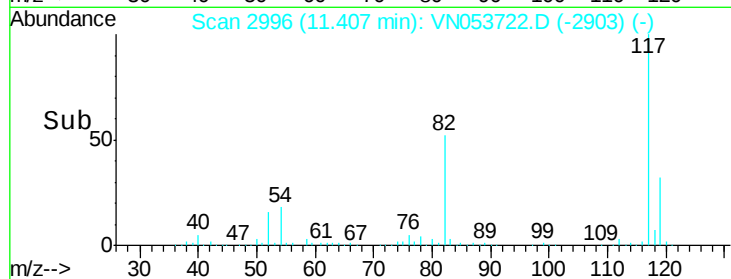
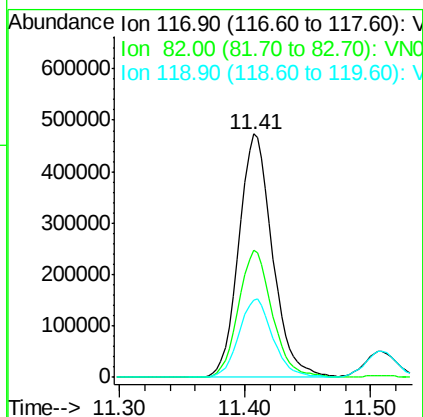
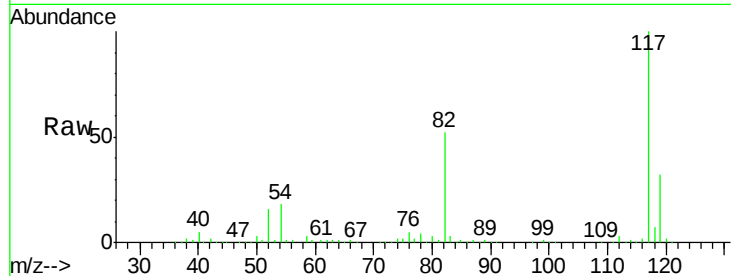
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.9	64.3
119	32.0	26.0	39.0

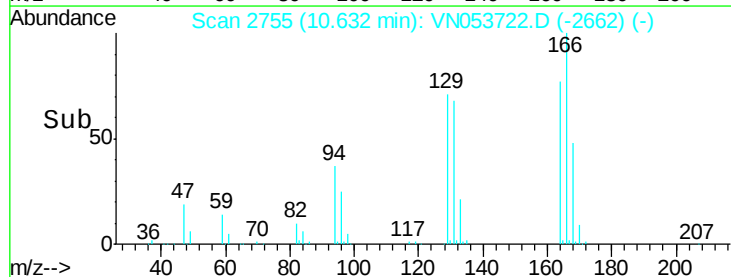
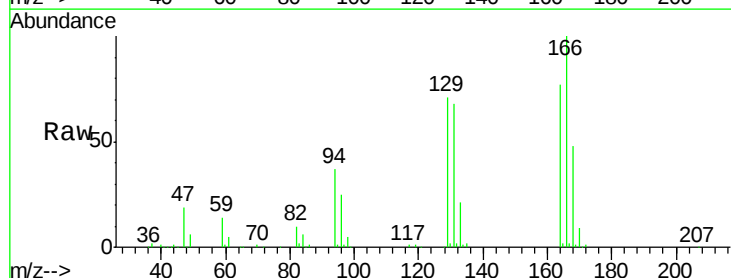
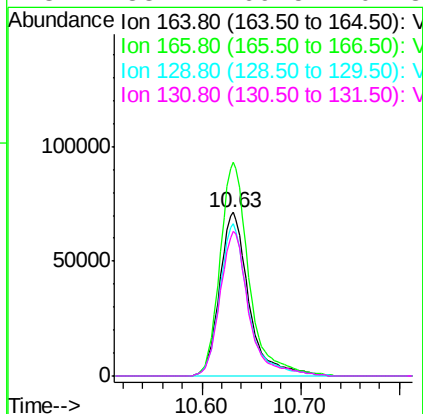
Manual Integrations
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#64
Tetrachloroethene
Concen: 19.570 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	102.2	153.4
129	92.7	72.6	109.0
131	88.7	69.5	104.3





#65

Chlorobenzene

Concen: 19.360 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

Tot Ion:112 Resp: 363761

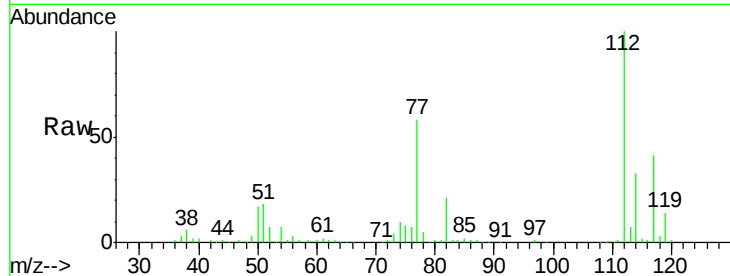
Ion Ratio Lower Upper

112 100

114 32.6 25.3 37.9

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

200000

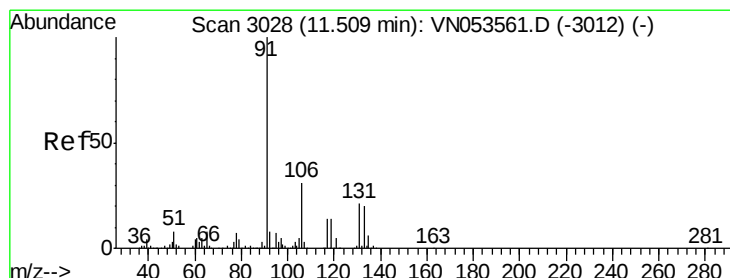
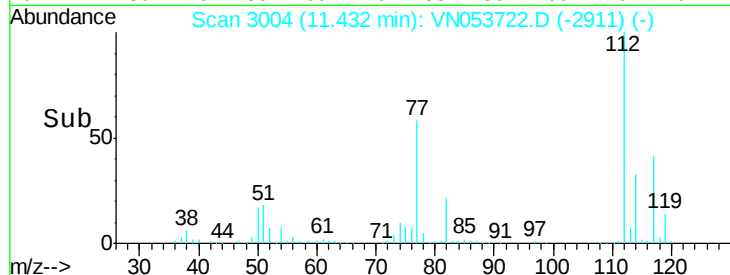
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.256 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

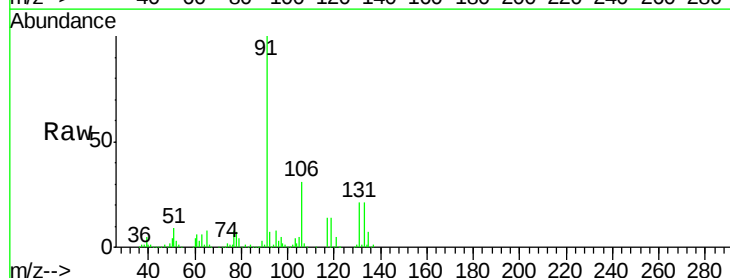
Tgt Ion:131 Resp: 132925

Ion Ratio Lower Upper

131 100

133 97.2 48.0 144.0

119 68.0 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

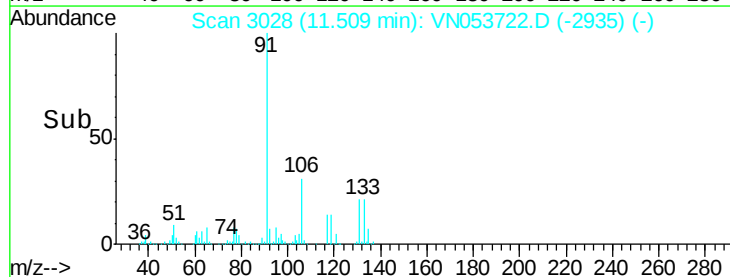
150000

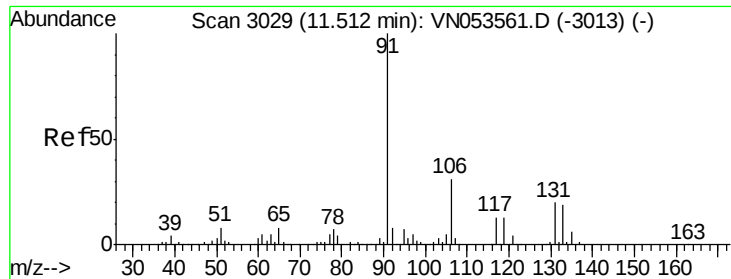
100000

50000

0

Time-->





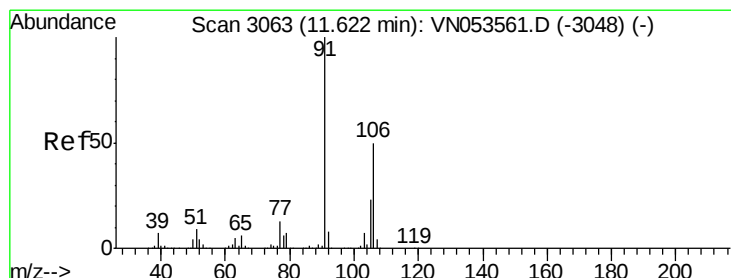
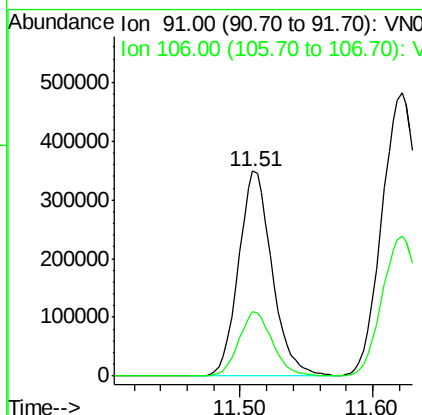
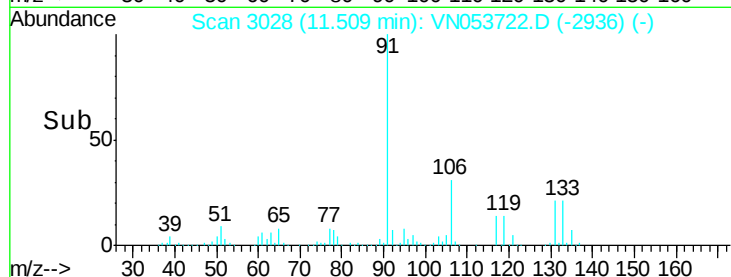
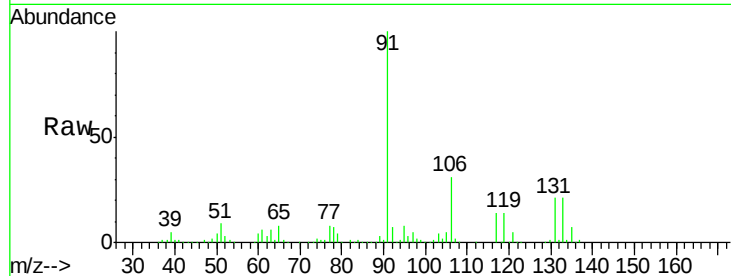
#67
Ethyl Benzene
Concen: 19.875 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0212WBS01

Tot Ion: 91 Resp: 613447
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6

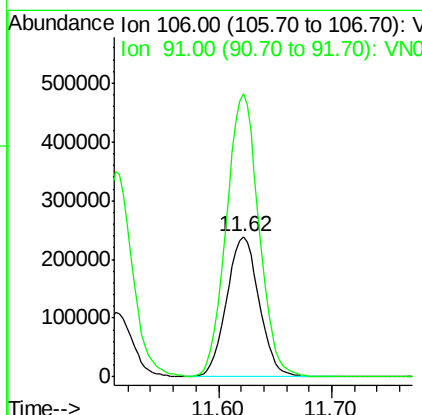
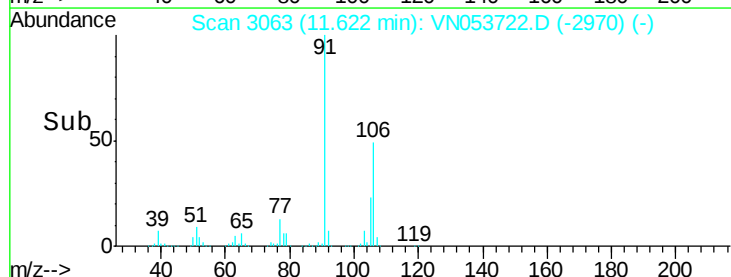
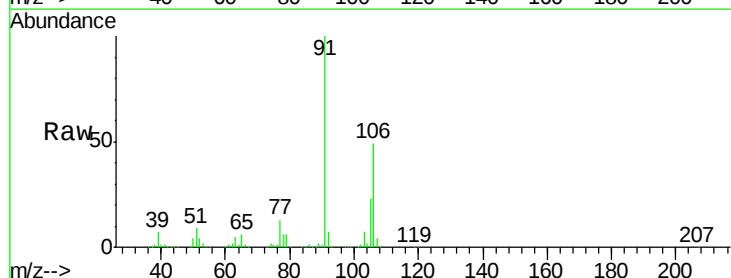
Manual Integrations
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#68
m/p-Xylenes
Concen: 40.593 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion: 106 Resp: 478195
Ion Ratio Lower Upper
106 100
91 201.2 161.4 242.2





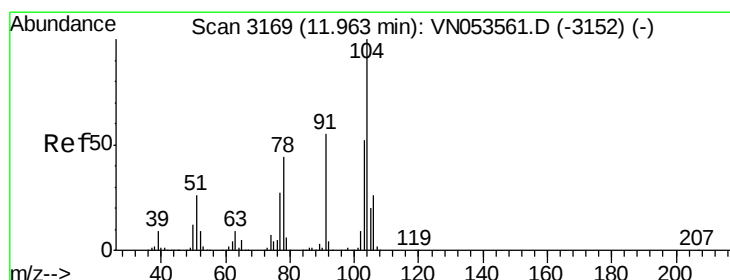
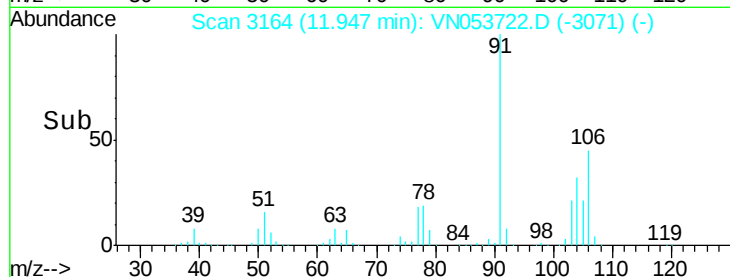
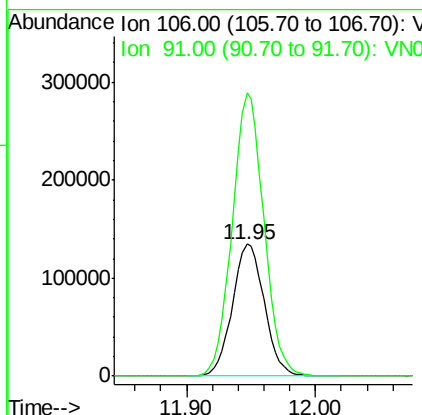
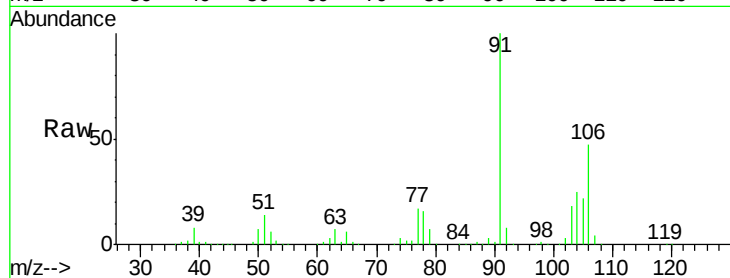
#69
o-Xylene
Concen: 20.347 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion:106 Resp: 231570
Ion Ratio Lower Upper
106 100
91 212.6 106.9 320.8

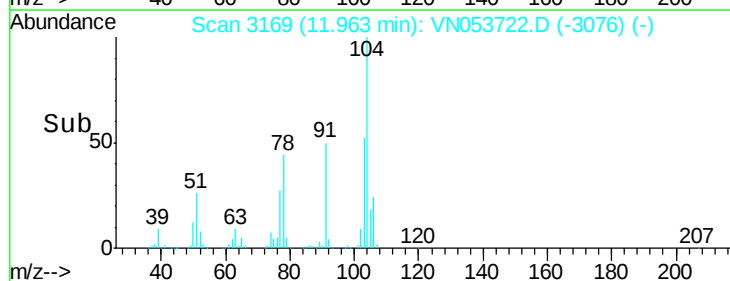
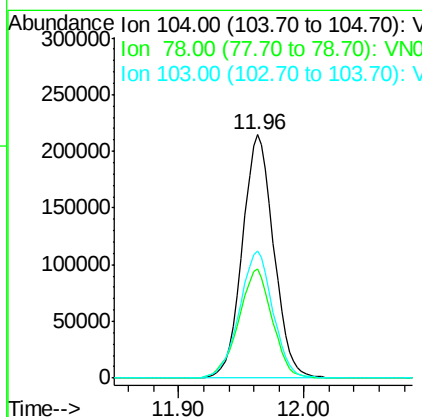
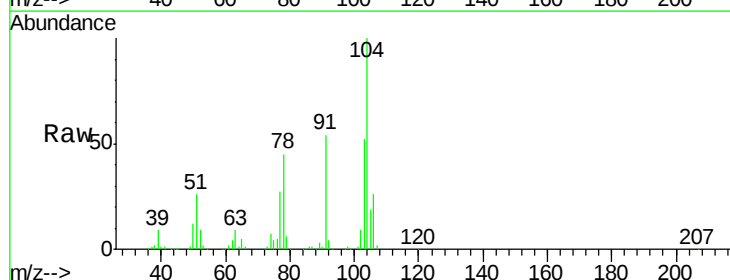
Manual Integrations
APPROVED

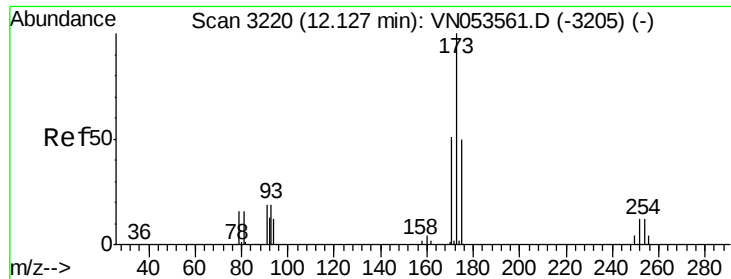
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#70
Styrene
Concen: 20.261 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion:104 Resp: 373737
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 55.6 44.4 66.6





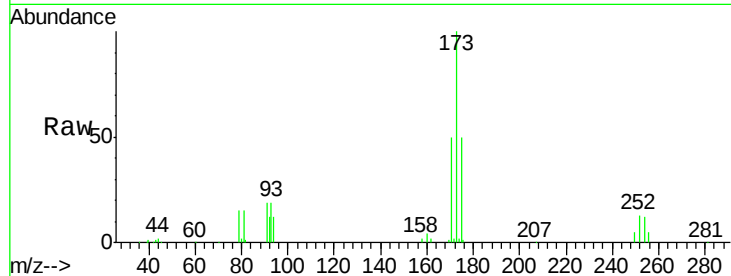
#71
Bromoform
Concen: 20.818 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

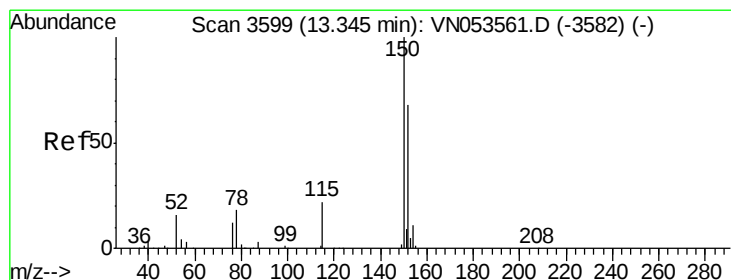
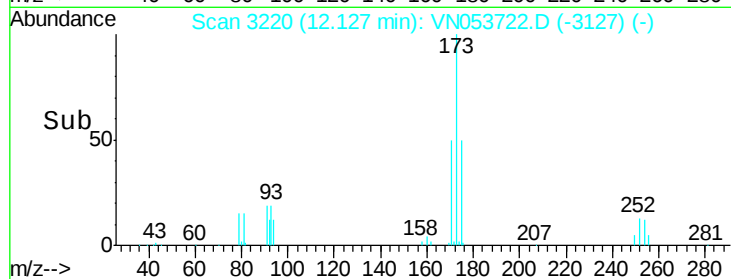
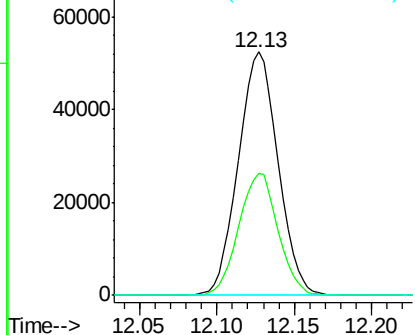
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.6	74.0
254	0.0	0.2	0.2

Manual Integrations
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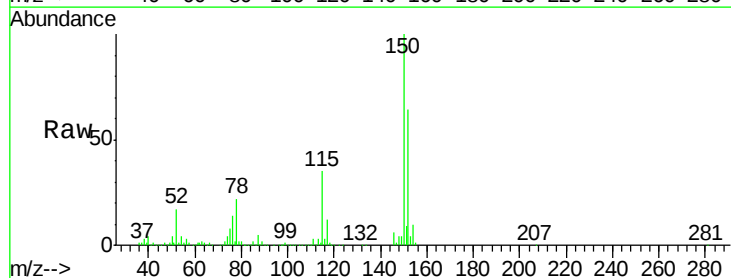


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

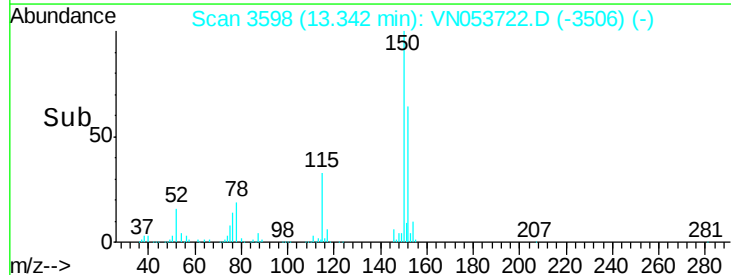
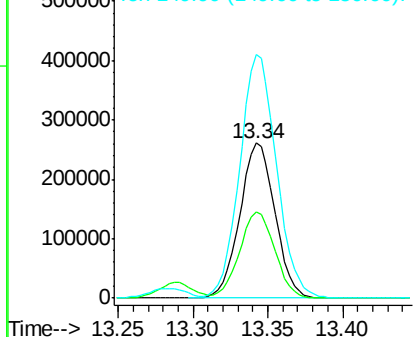


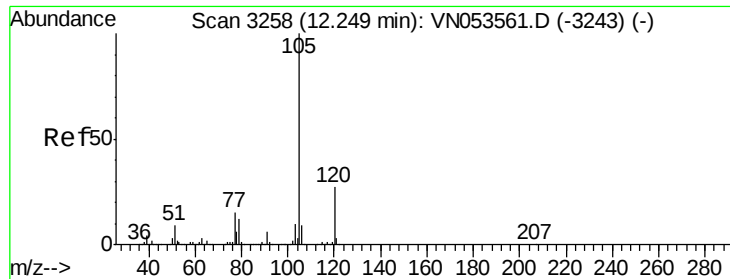
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.8	83.4
150	164.3	0.0	349.0



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





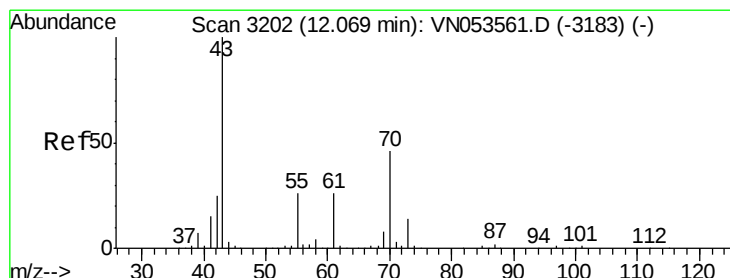
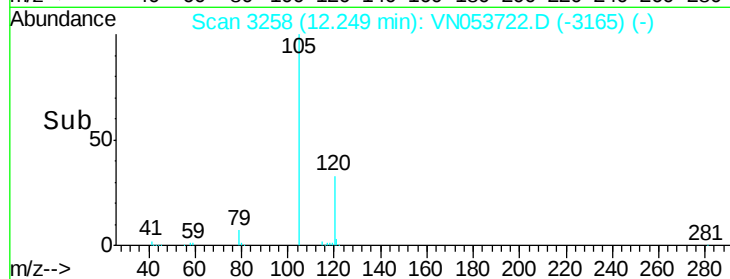
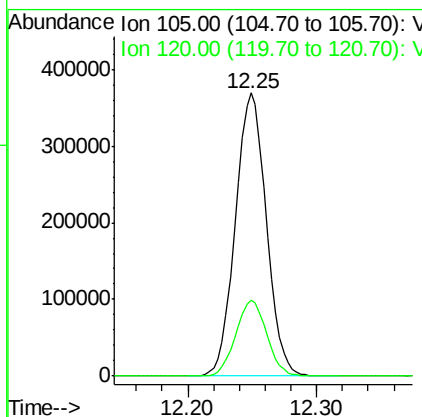
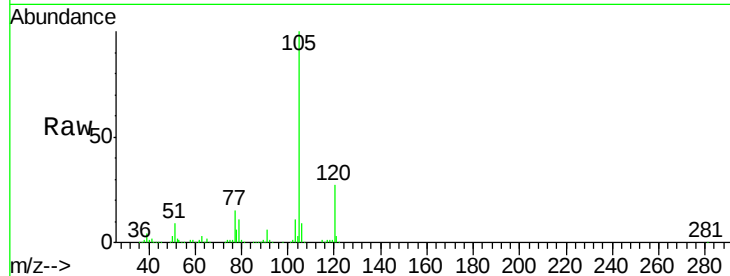
#73
Isopropylbenzene
Concen: 20.579 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0212WBS01

Tot Ion: 105 Resp: 615004
Ion Ratio Lower Upper
105 100
120 26.9 13.6 40.7

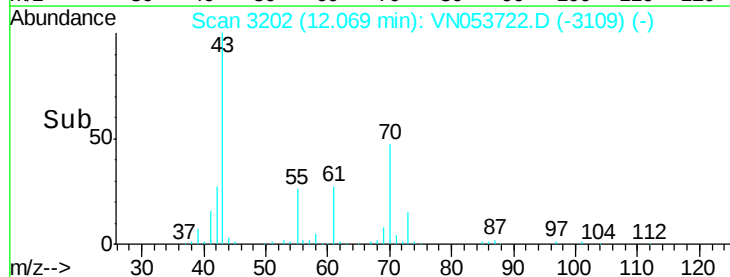
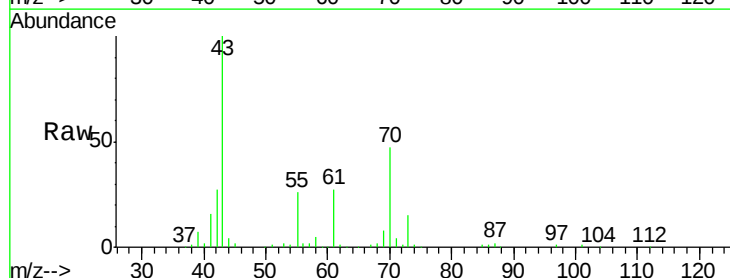
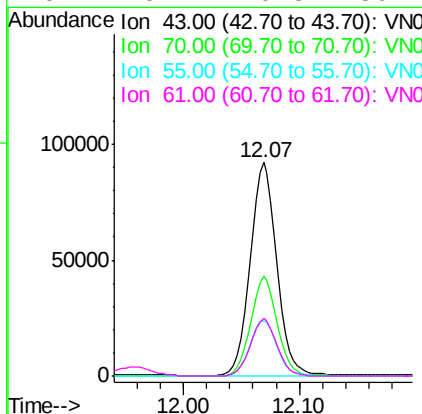
Manual Integrations
APPROVED

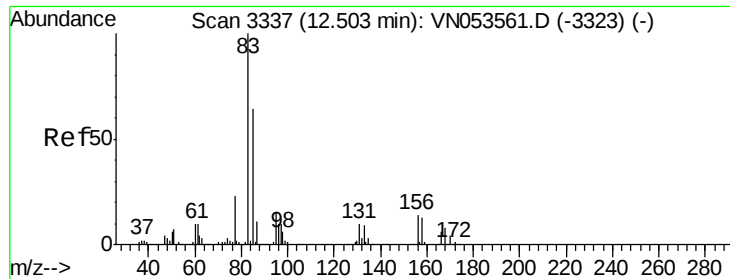
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#74
N-ethyl acetate
Concen: 20.475 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion: 43 Resp: 147144
Ion Ratio Lower Upper
43 100
70 46.8 35.4 53.2
55 26.9 20.9 31.3
61 26.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.108 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBS01

Tot Ion: 83 Resp: 143822

Ion Ratio Lower Upper

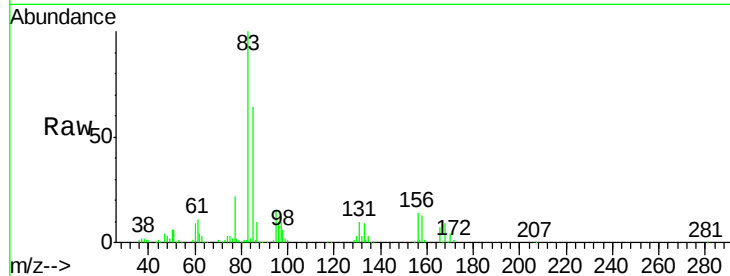
83 100

131 11.0 5.3 15.8

85 64.6 32.1 96.3

Manual Integrations
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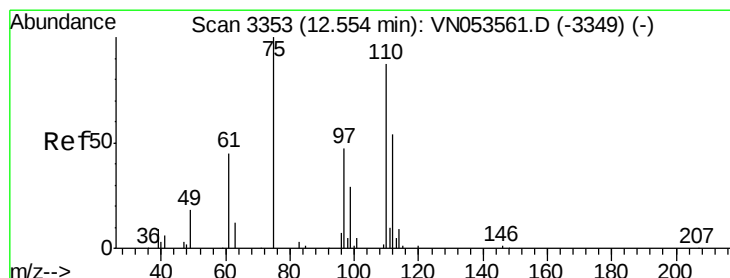
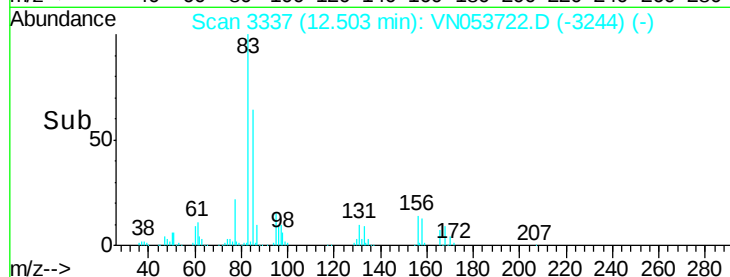
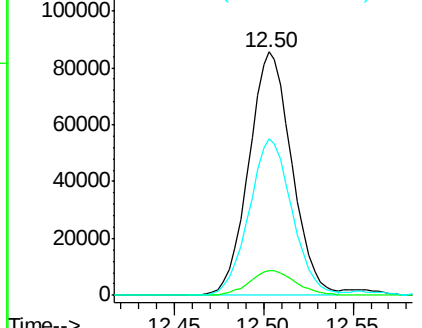
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 20.183 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053722.D

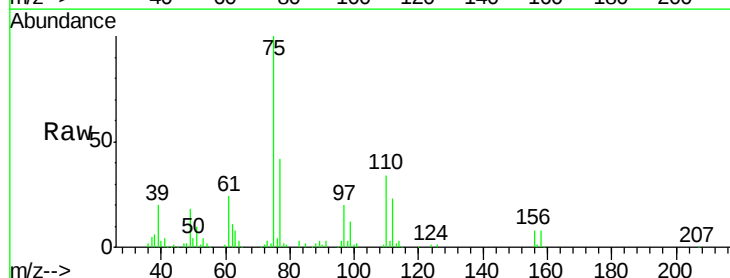
Acq: 12 Feb 2019 11:32

Tgt Ion: 75 Resp: 110210

Ion Ratio Lower Upper

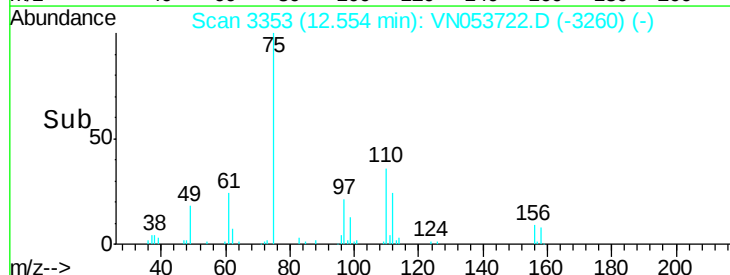
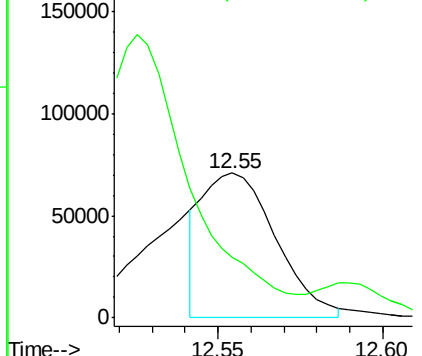
75 100

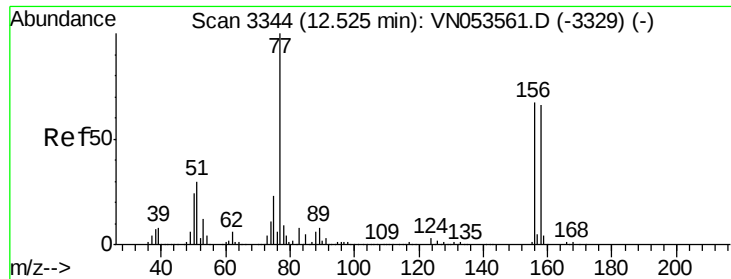
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.013 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

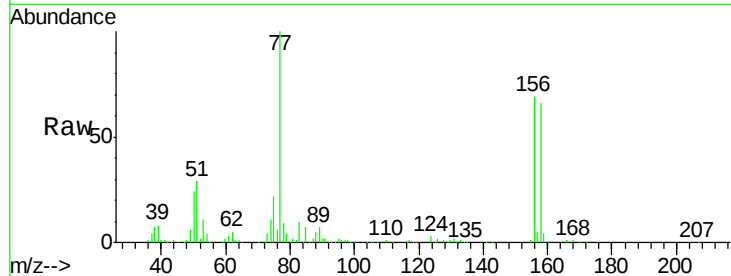
ClientSampleId :

VN0212WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.9	87.9	263.8
158	97.4	48.8	146.4

Manual Integrations
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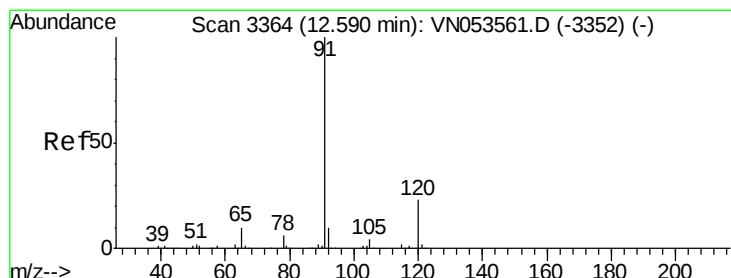
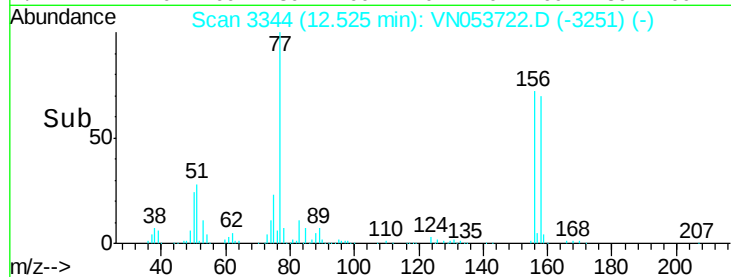
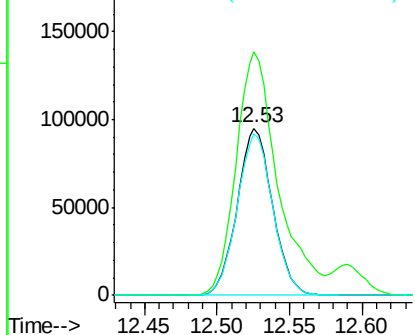
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.464 ug/l

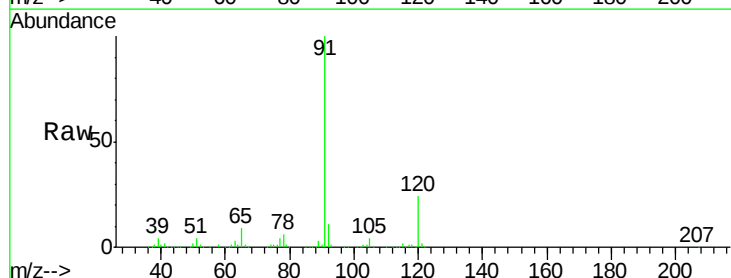
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053722.D

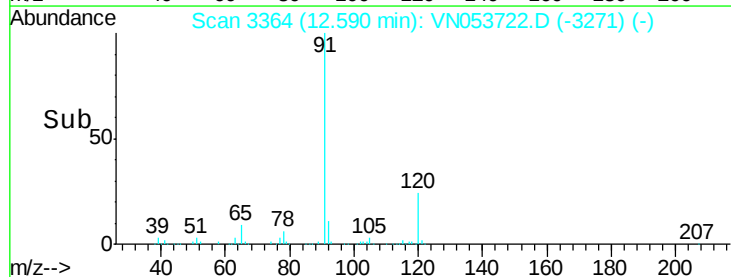
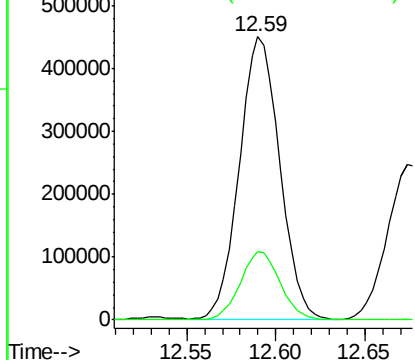
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.492 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0212WBS01

Tot Ion: 91 Resp: 420011

Ion Ratio Lower Upper

91 100

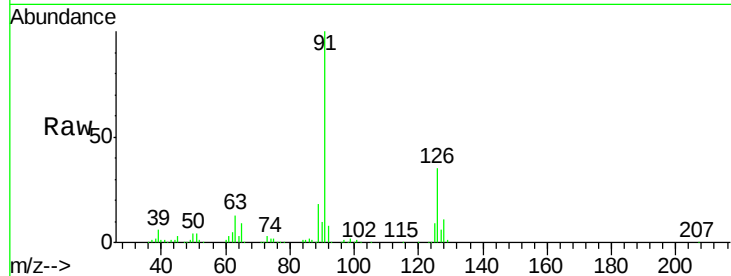
126 35.7 17.9 53.7

Manual Integrations

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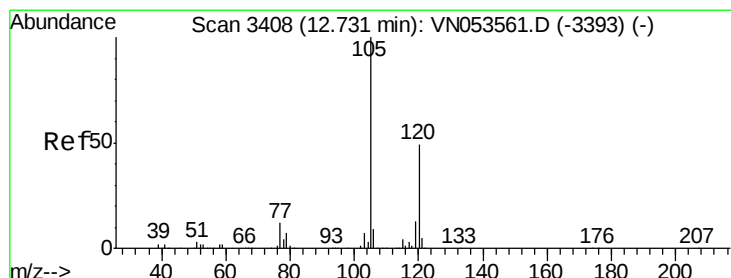
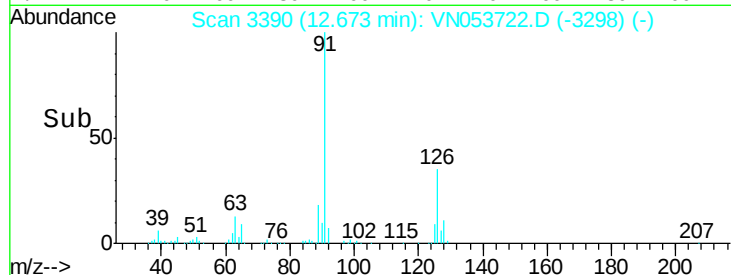
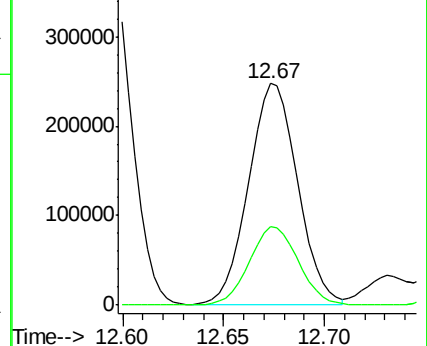
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Abundance Ion 91.00 (90.70 to 91.70): VN053722.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN053722.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.287 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053722.D

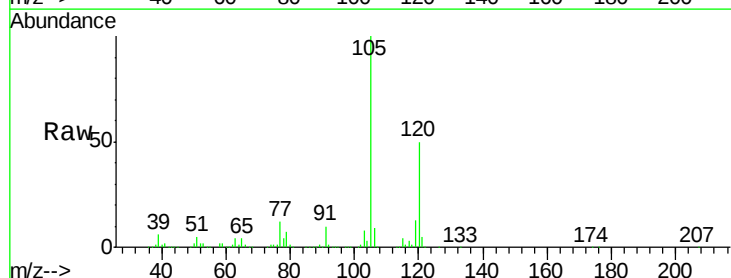
Acq: 12 Feb 2019 11:32

Tgt Ion: 105 Resp: 527549

Ion Ratio Lower Upper

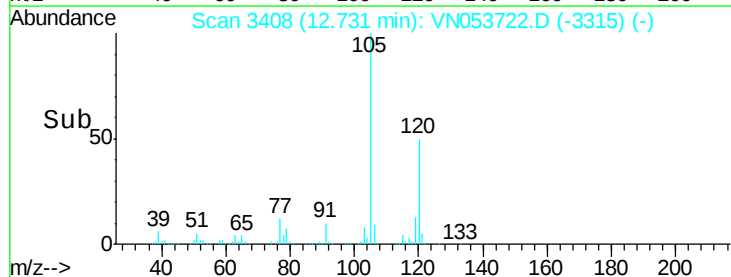
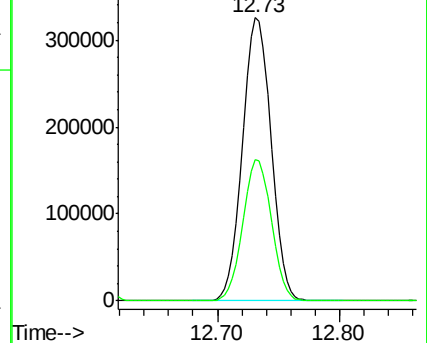
105 100

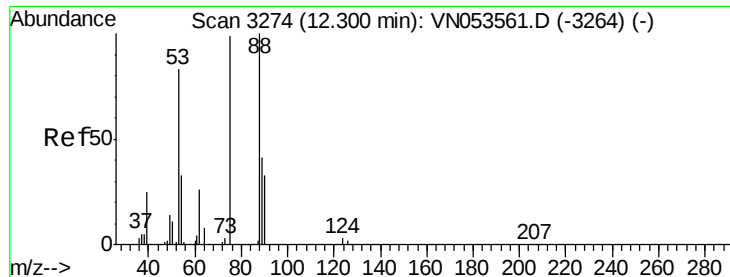
120 49.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053722.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN053722.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.034 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

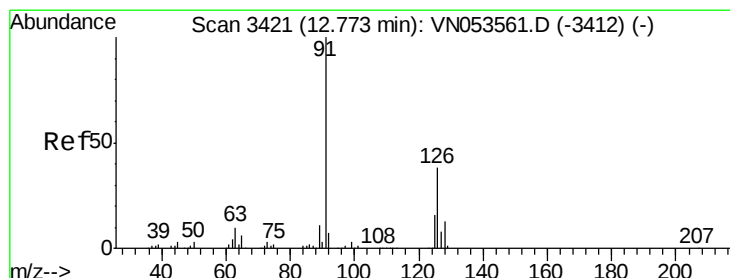
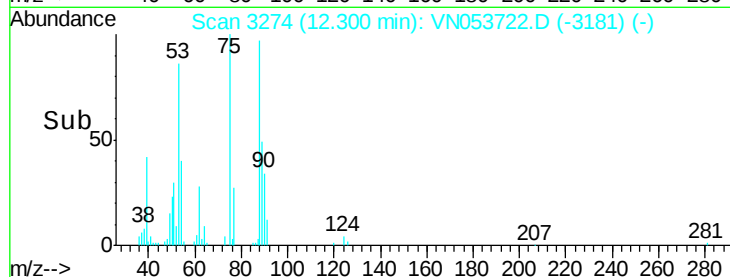
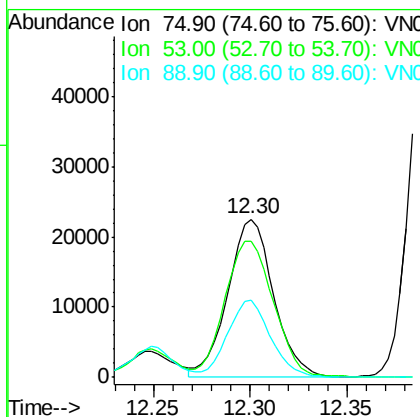
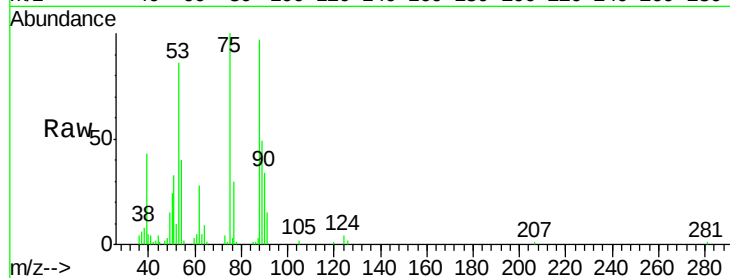
ClientSampleId :

VN0212WBS01

Tot Ion:	75	Resp:	36961
Ion	Ratio	Lower	Upper
75	100		
53	91.8	69.8	104.6
89	46.1	35.6	53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.085 ug/l

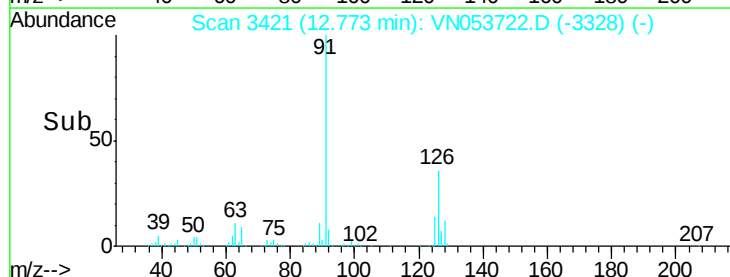
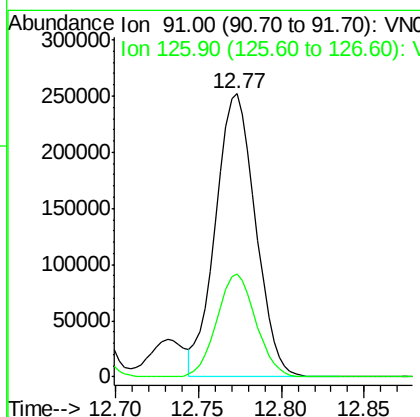
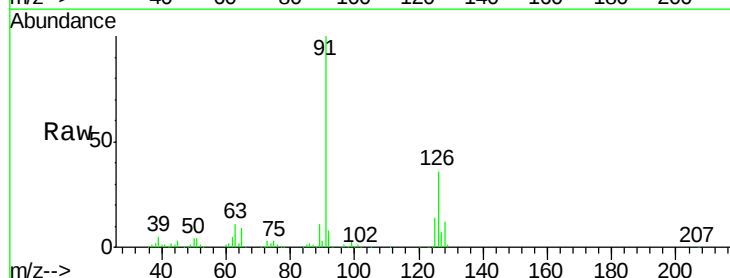
RT: 12.77 min Scan# 3421

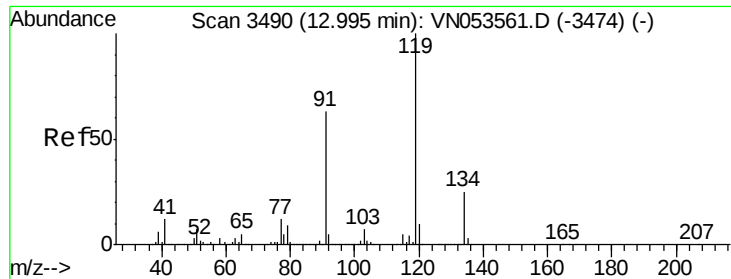
Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Tgt Ion:	91	Resp:	422443
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.6	52.9





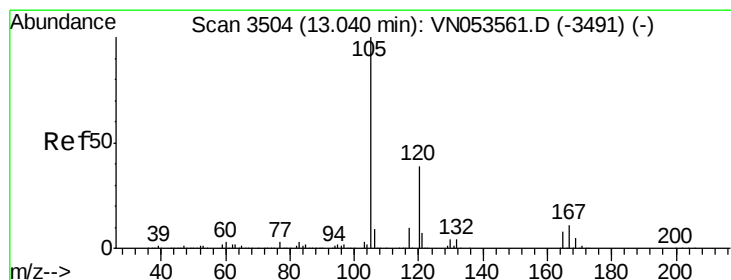
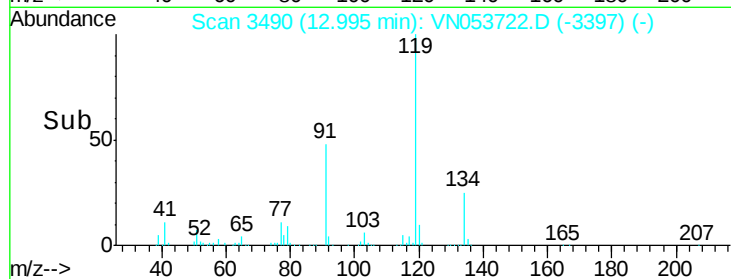
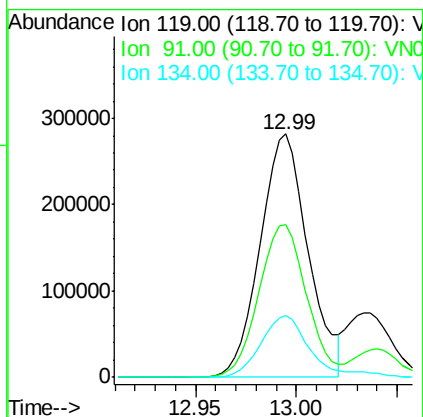
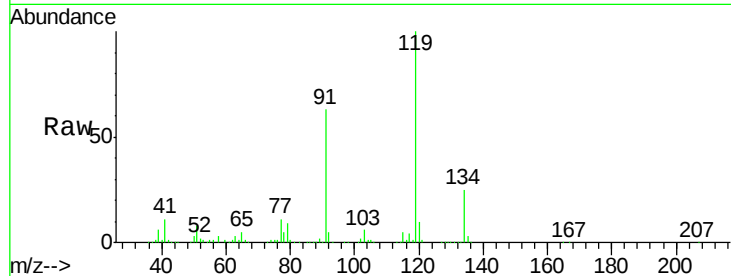
#83
 tert-Butylbenzene
 Concen: 21.322 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	467016		
91	62.3	31.3	93.8	
134	26.4	12.9	38.7	

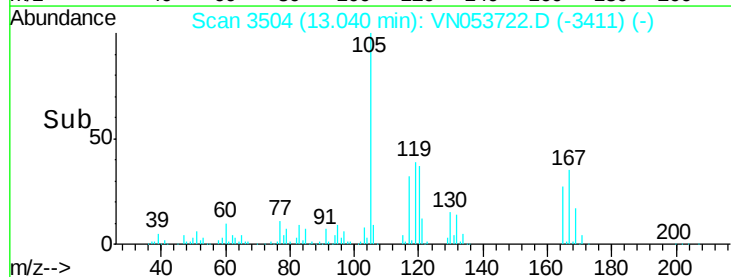
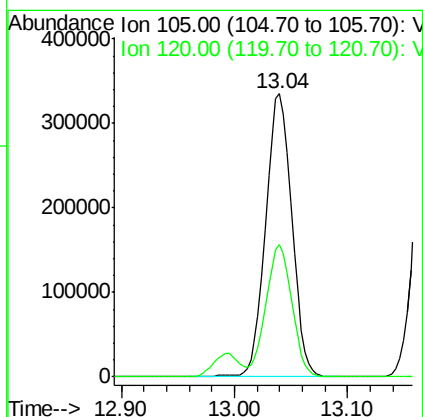
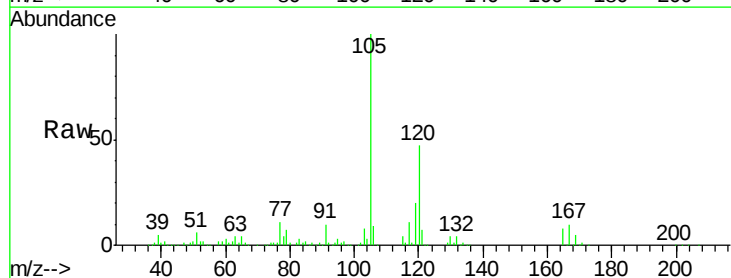
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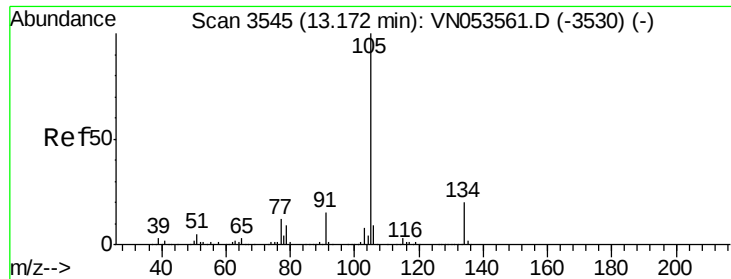
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.354 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	539172		
120	46.2	23.0	69.0	





#85

sec-Butylbenzene

Concen: 21.351 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0212WBS01

Tot Ion:105 Resp: 636387

Ion Ratio Lower Upper

105 100

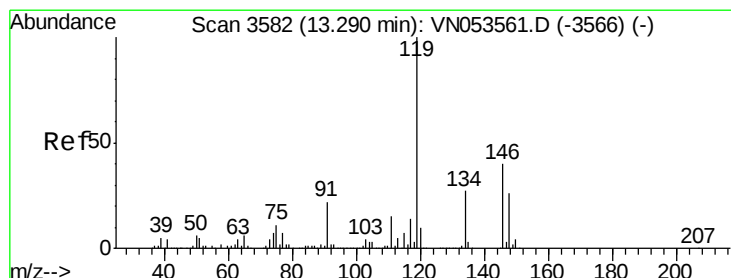
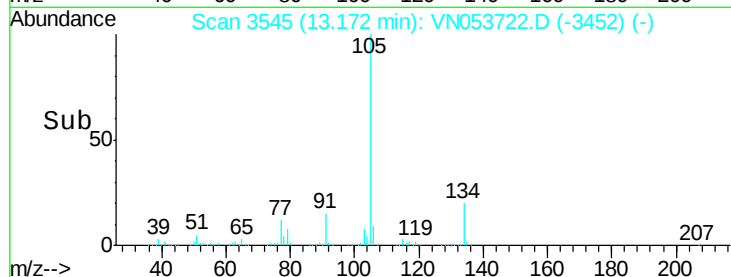
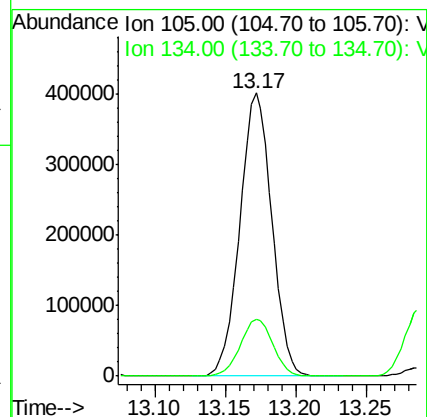
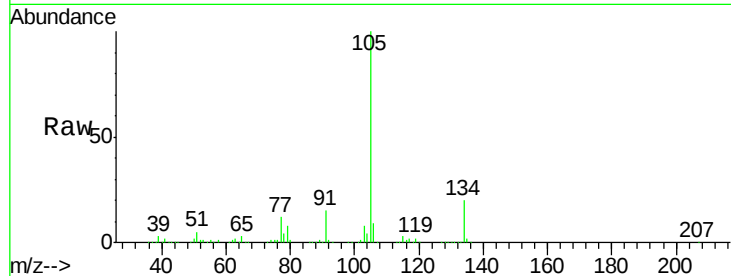
134 20.5 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.282 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

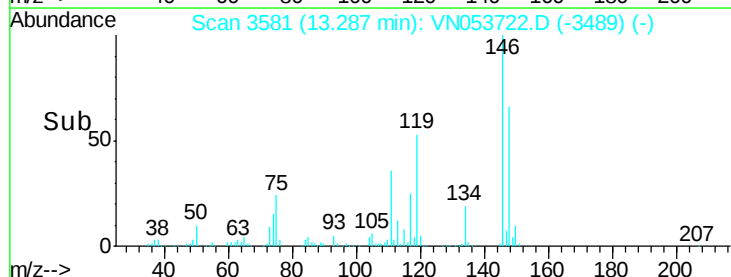
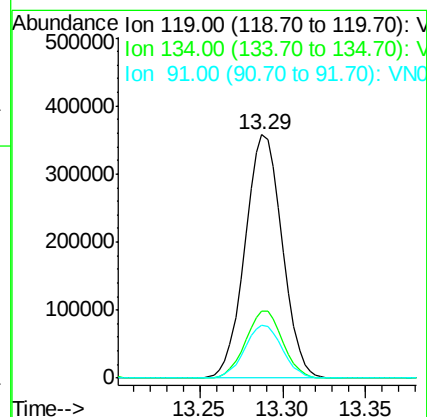
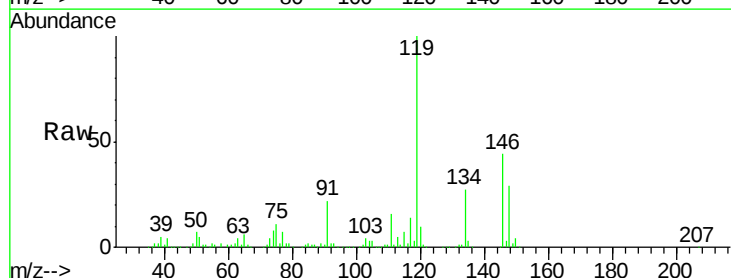
Tgt Ion:119 Resp: 554773

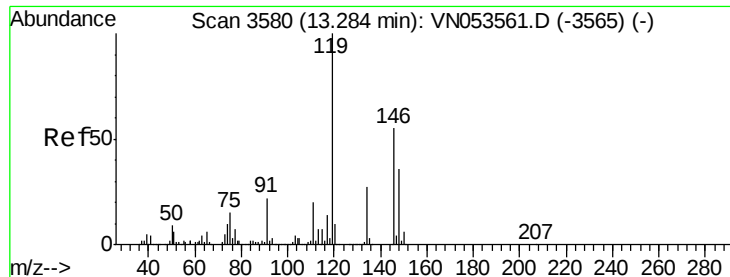
Ion Ratio Lower Upper

119 100

134 27.5 13.5 40.4

91 22.1 11.0 33.0





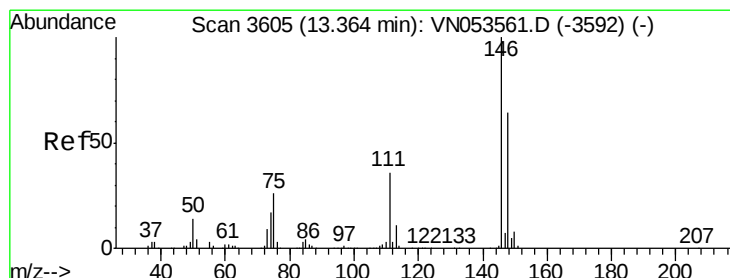
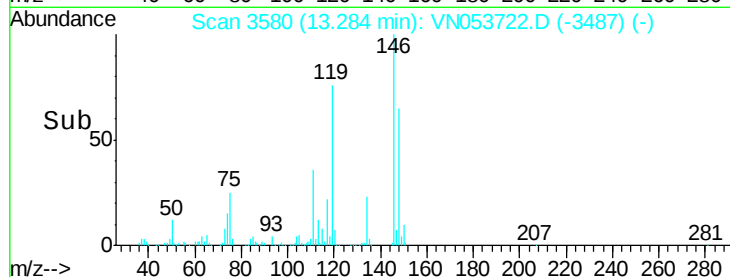
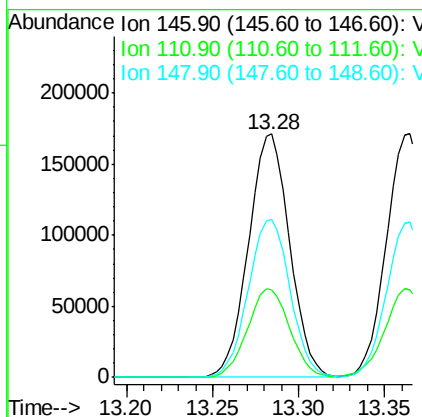
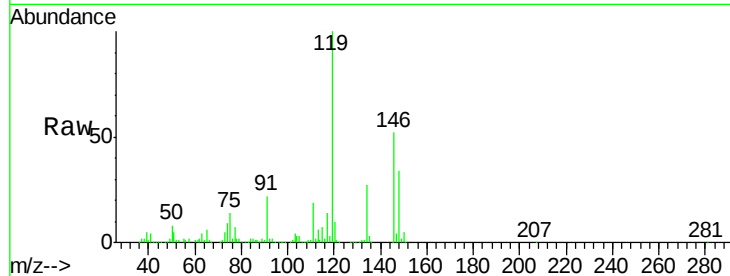
#87
 1,3-Dichlorobenzene
 Concen: 19.664 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	284719		
111	37.1	18.8	56.3	
148	65.7	32.0	96.2	

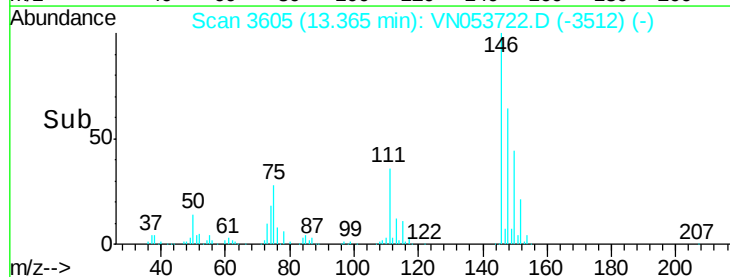
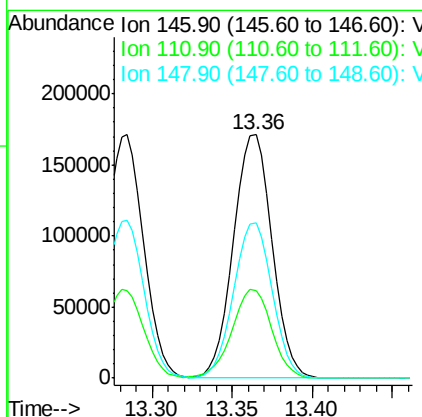
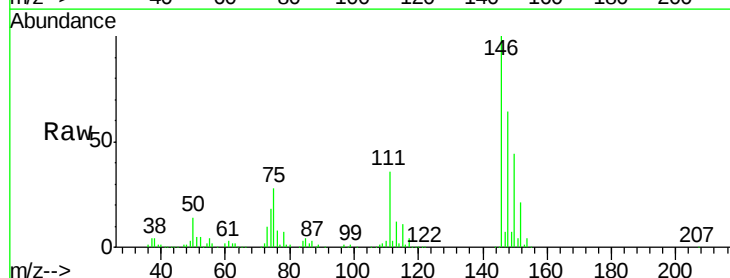
Manual Integrations
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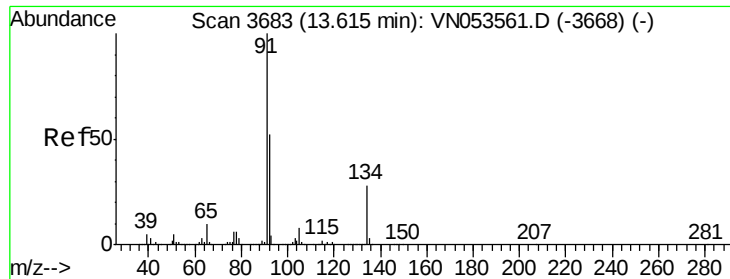
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#88
 1,4-Dichlorobenzene
 Concen: 19.671 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	281738		
111	37.6	18.6	55.8	
148	63.8	32.4	97.0	





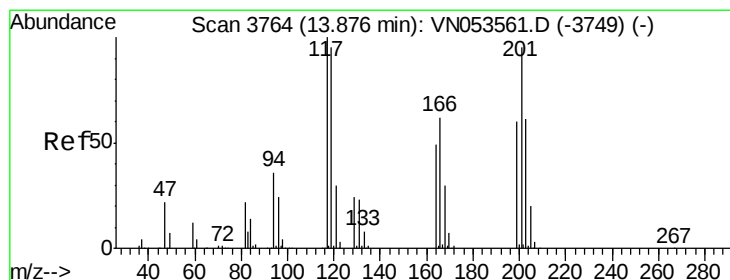
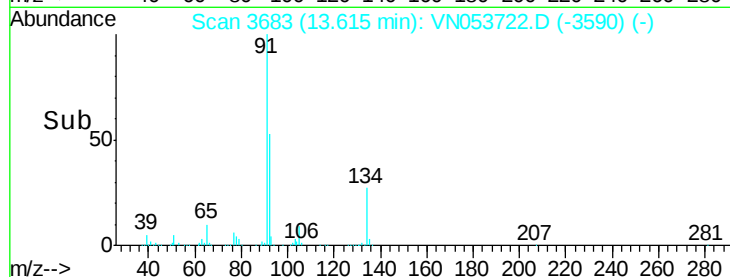
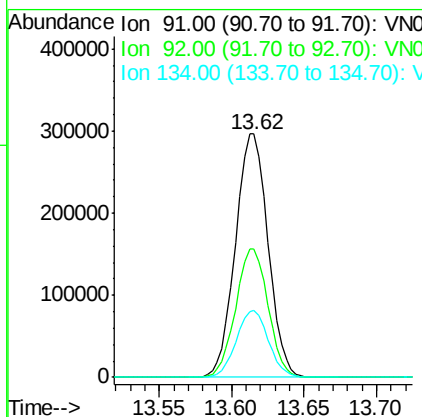
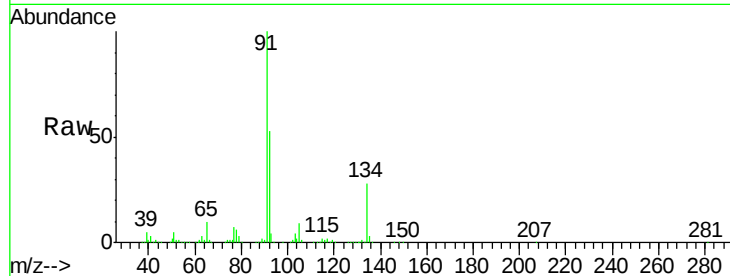
#89
n-Butylbenzene
Concen: 20.531 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.8
134	27.1	13.5	40.5

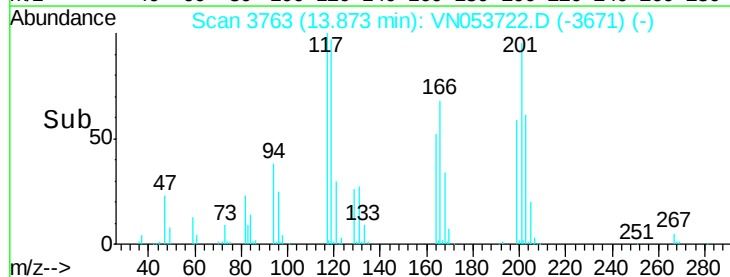
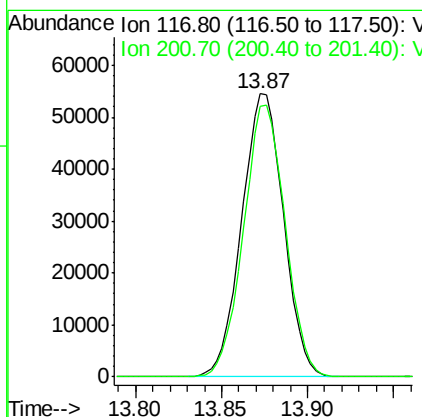
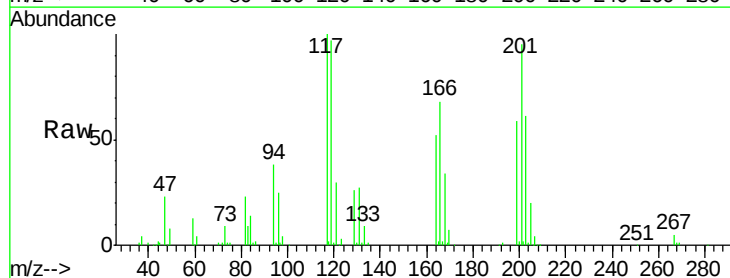
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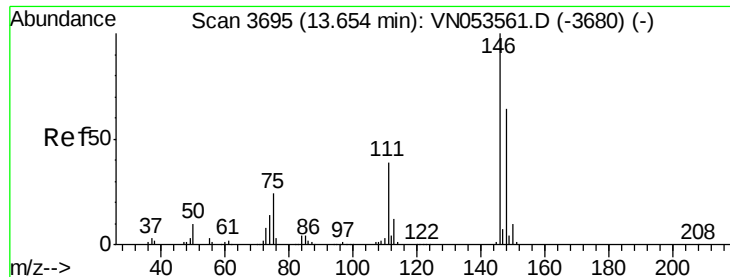
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#90
Hexachloroethane
Concen: 21.382 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053722.D
Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.5	46.8	140.4





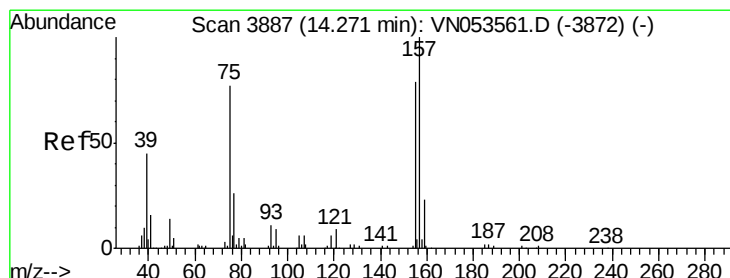
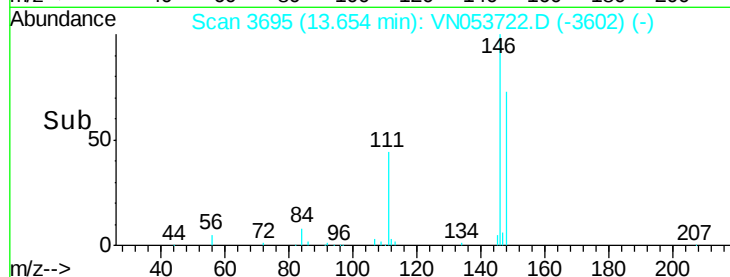
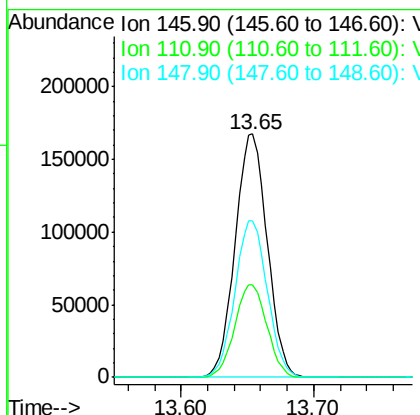
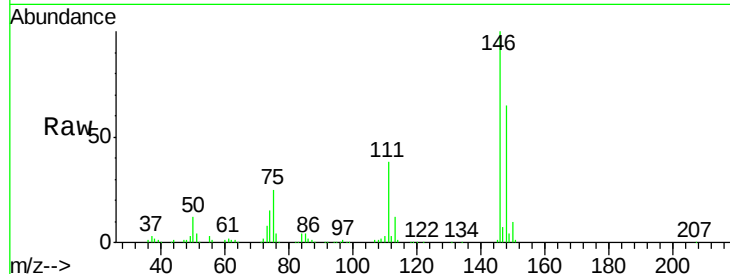
#91
 1,2-Dichlorobenzene
 Concen: 20.310 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.5	58.5
148	64.9	31.9	95.9

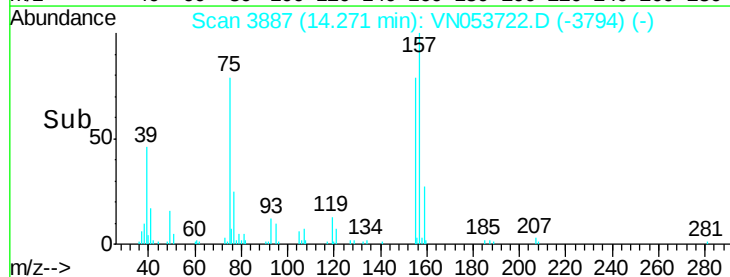
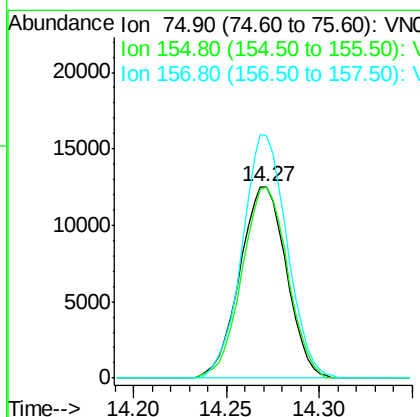
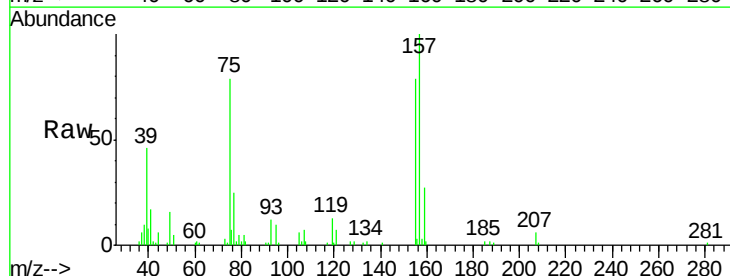
Manual Integrations
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 2/13/2019 12:15:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.501 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	48.9	146.7
157	122.6	63.7	191.3





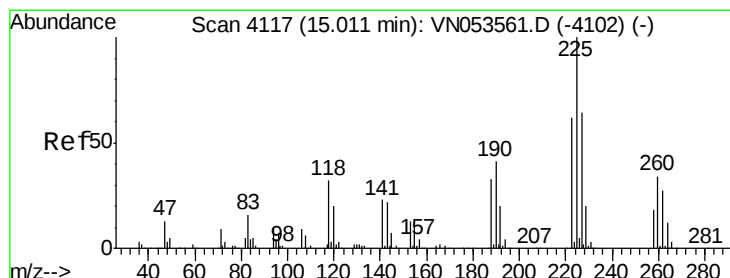
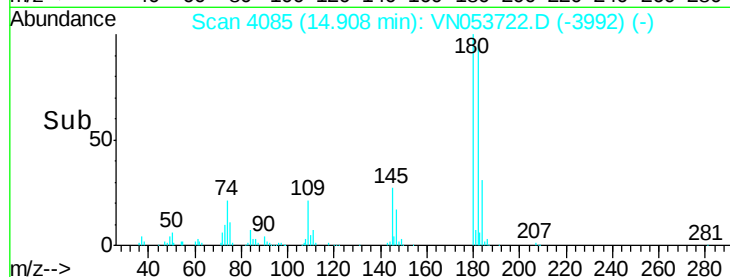
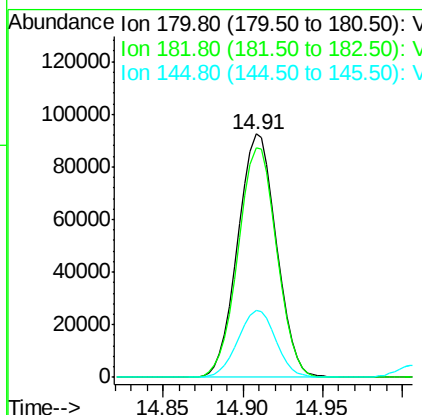
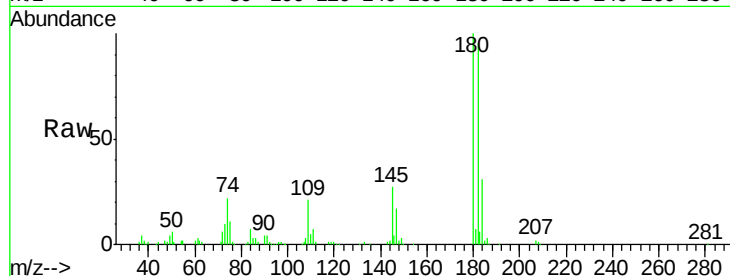
#93
 1,2,4-Trichlorobenzene
 Concen: 19.086 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	151730		
182	94.6	48.1	144.3	
145	27.2	13.9	41.6	

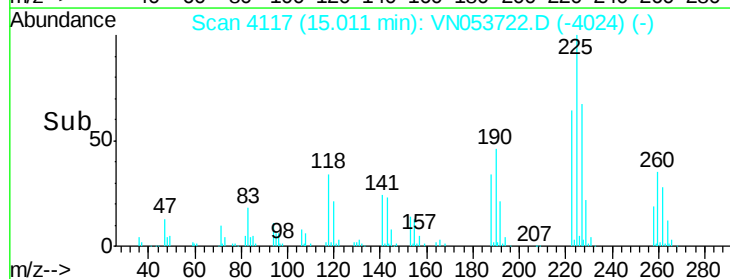
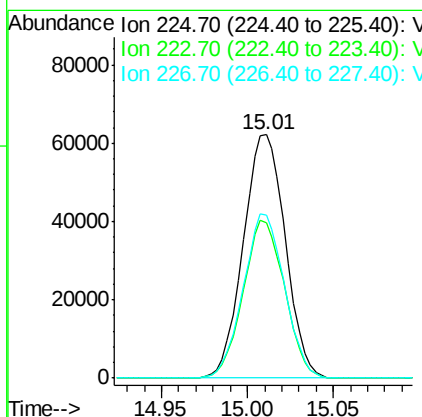
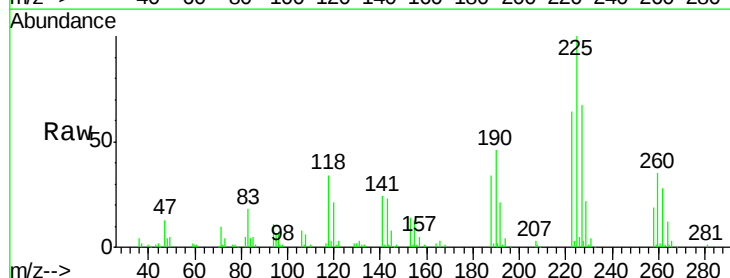
Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 12:15:09 PM



#94
 Hexachlorobutadiene
 Concen: 21.236 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053722.D
 Acq: 12 Feb 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105136		
223	63.6	31.1	93.2	
227	66.3	32.0	96.2	





#95

Naphthalene

Concen: 16.872 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Instrument :

MSVOA_N

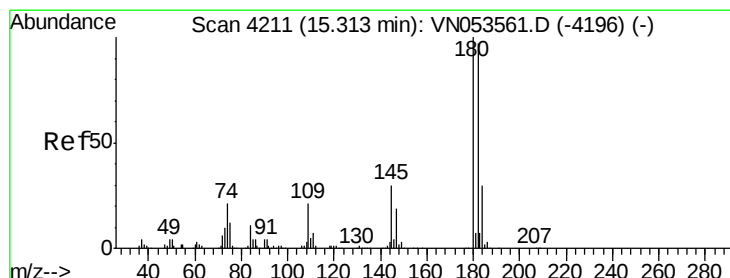
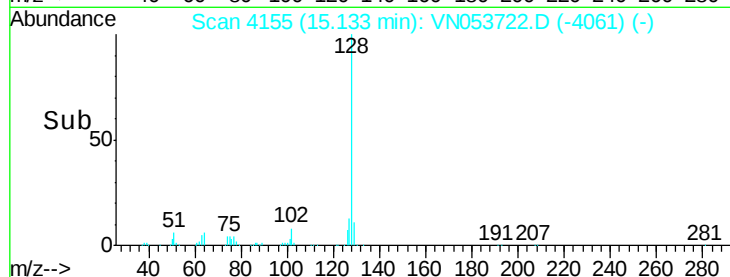
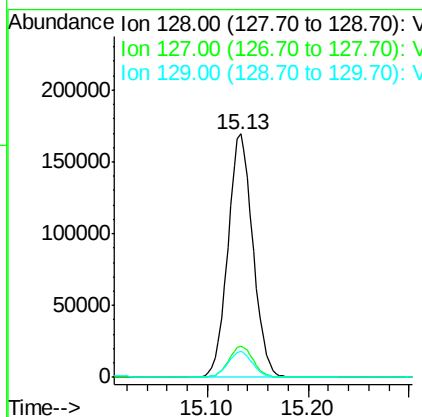
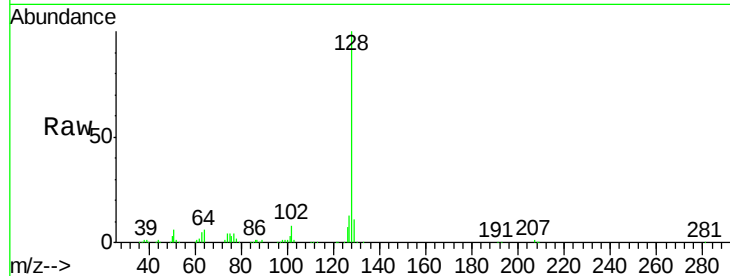
ClientSampleId :

VN0212WBS01

Tot Ion:	128	Resp:	292821
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/13/2019 12:15:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.568 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053722.D

Acq: 12 Feb 2019 11:32

Tgt Ion:	180	Resp:	144347
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.8
145	29.1	14.7	44.1

