

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054711.D
 Acq On : 27 Mar 2019 10:27
 Operator : JC/SP
 Sample : VN0327WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 12:44:39 PM

Quant Time: Mar 28 06:43:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	399714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	641543	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	551787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	236010	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	263564	53.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.02%	
35) Dibromofluoromethane	7.59	113	208647	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
50) Toluene-d8	10.09	98	761133	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	256062	48.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	80411	21.044	ug/l	100
3) Chloromethane	2.06	50	105165	20.228	ug/l	98
4) Vinyl Chloride	2.19	62	95920	18.376	ug/l	98
5) Bromomethane	2.57	94	54981	16.289	ug/l	97
6) Chloroethane	2.71	64	53001	16.929	ug/l	99
7) Trichlorofluoromethane	3.02	101	123623	19.502	ug/l	99
8) Diethyl Ether	3.41	74	41045	16.836	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	70900	19.031	ug/l	92
10) Methyl Iodide	3.94	142	87176	15.908	ug/l #	88
11) Tert butyl alcohol	4.82	59	28353	94.195	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	63188	16.390	ug/l #	72
13) Acrolein	3.61	56	41058	98.842	ug/l	95
14) Allyl chloride	4.32	41	148995	20.523	ug/l #	93
15) Acrylonitrile	5.00	53	157546	105.103	ug/l	100
16) Acetone	3.82	43	154162	103.134	ug/l #	82
17) Carbon Disulfide	4.04	76	172968	16.744	ug/l	98
18) Methyl Acetate	4.33	43	72541	21.773	ug/l	90
19) Methyl tert-butyl Ether	5.06	73	227400	20.210	ug/l	94
20) Methylene Chloride	4.55	84	88647	20.118	ug/l #	86
21) trans-1,2-Dichloroethene	5.04	96	79543	20.205	ug/l	87
22) Diisopropyl ether	5.96	45	310556	21.687	ug/l #	94
23) Vinyl Acetate	5.90	43	1067582	105.557	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	165820	21.506	ug/l	97
25) 2-Butanone	6.85	43	206777	107.989	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	117236	21.330	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	95659	20.372	ug/l	88
28) Bromochloromethane	7.19	49	82794	21.815	ug/l #	71
29) Tetrahydrofuran	7.22	42	130696	105.181	ug/l #	84
30) Chloroform	7.37	83	160126	21.280	ug/l	99
31) Cyclohexane	7.65	56	156059	20.009	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	130926	21.090	ug/l	95
36) 1,1-Dichloropropene	7.79	75	115496	19.254	ug/l	97
37) Ethyl Acetate	6.94	43	85045	19.934	ug/l	98
38) Carbon Tetrachloride	7.77	117	113913	19.542	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	132516	19.313	ug/l #	87
40) Benzene	8.04	78	356278	20.771	ug/l	99
41) Methacrylonitrile	7.18	41	53946	20.734	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	132194	21.162	ug/l	97
43) Isopropyl Acetate	8.17	43	145779	20.232	ug/l #	94
44) Trichloroethene	8.83	130	90585	18.995	ug/l	94
45) 1,2-Dichloropropane	9.12	63	100850	21.896	ug/l	100
46) Dibromomethane	9.21	93	57020	20.751	ug/l	88
47) Bromodichloromethane	9.40	83	120506	21.132	ug/l	96
48) Methyl methacrylate	9.20	41	75419	19.285	ug/l #	86
49) 1,4-Dioxane	9.21	88	16151	369.422	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	415431	104.036	ug/l	93
52) Toluene	10.16	92	214595	20.341	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	104513	18.830	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	135786	20.767	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	77803	20.516	ug/l	95
56) Ethyl methacrylate	10.43	69	96564	18.971	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	134959	20.473	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	174303	83.161	ug/l #	88
59) 2-Hexanone	10.75	43	263267	100.935	ug/l	90
60) Dibromochloromethane	10.90	129	81371	20.165	ug/l	98
61) 1,2-Dibromoethane	11.00	107	72850	19.431	ug/l	99
64) Tetrachloroethene	10.63	164	88818	19.406	ug/l	95
65) Chlorobenzene	11.43	112	226448	20.178	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	84213	20.906	ug/l	99
67) Ethyl Benzene	11.51	91	398046	20.079	ug/l	97
68) m/p-Xylenes	11.62	106	296105	39.434	ug/l	95
69) o-Xylene	11.95	106	142601	19.446	ug/l	94
70) Styrene	11.96	104	237601	19.952	ug/l	97
71) Bromoform	12.13	173	47061	18.414	ug/l #	100
73) Isopropylbenzene	12.25	105	383538	20.167	ug/l	98
74) N-amyl acetate	12.07	43	112616	20.594	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	90868	20.931	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	78194m	20.879	ug/l	
77) Bromobenzene	12.53	156	91256	19.347	ug/l	82
78) n-propylbenzene	12.59	91	426216	20.667	ug/l	95
79) 2-Chlorotoluene	12.67	91	260024	20.219	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	317475	20.368	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	18665	19.263	ug/l #	70
82) 4-Chlorotoluene	12.77	91	249523	20.017	ug/l	98
83) tert-Butylbenzene	12.99	119	272062	20.052	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	309238	20.219	ug/l	98
85) sec-Butylbenzene	13.17	105	344952	20.395	ug/l	98
86) p-Isopropyltoluene	13.29	119	304380	20.116	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	156081	19.968	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	147640	19.413	ug/l	95
89) n-Butylbenzene	13.61	91	237461	20.070	ug/l	97
90) Hexachloroethane	13.88	117	47941	20.411	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	155091	20.485	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12496	19.624	ug/l	86

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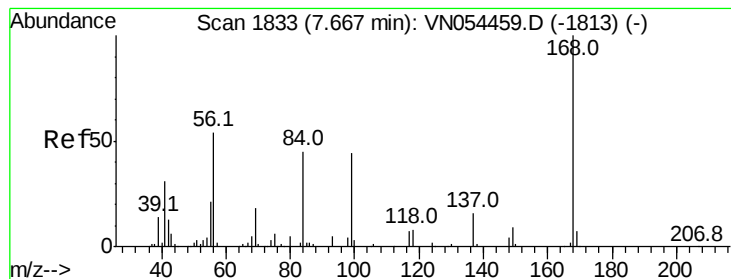
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	67141	17.790	ug/l	99
94) Hexachlorobutadiene	15.01	225	50435	22.417	ug/l	97
95) Naphthalene	15.13	128	147971	17.577	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	69677	18.549	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBS01

Tot Ion:168 Resp: 399714

Ion Ratio Lower Upper

168 100

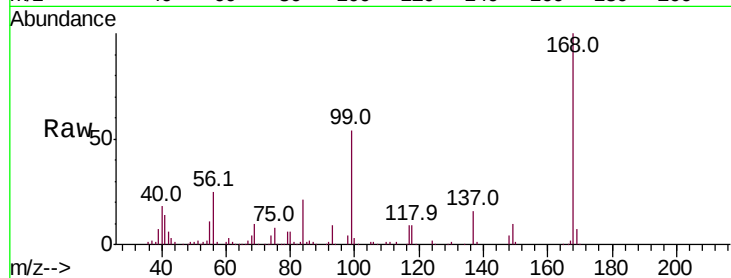
99 53.2 37.1 55.7

Manual Integrations

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3/28/2019 12:44:39 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

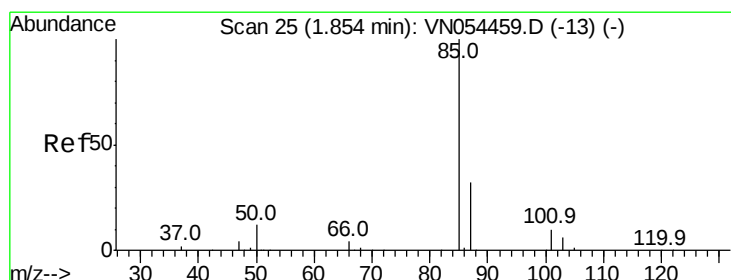
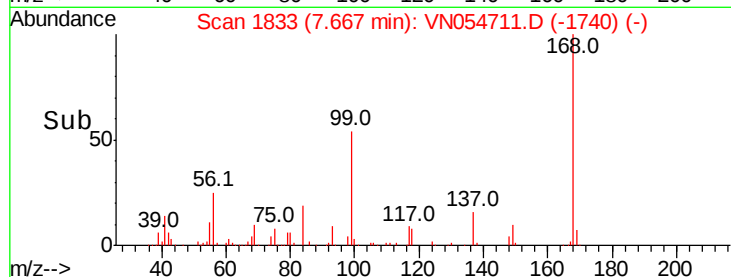
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.044 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054711.D

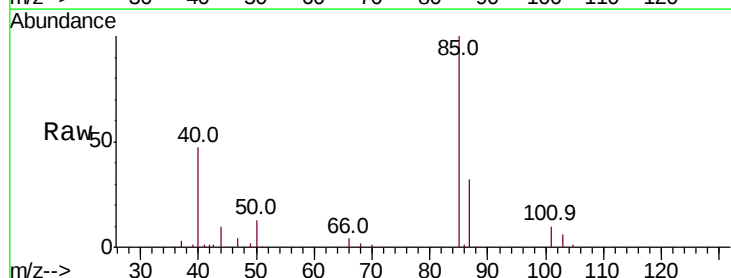
Acq: 27 Mar 2019 10:27

Tgt Ion: 85 Resp: 80411

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

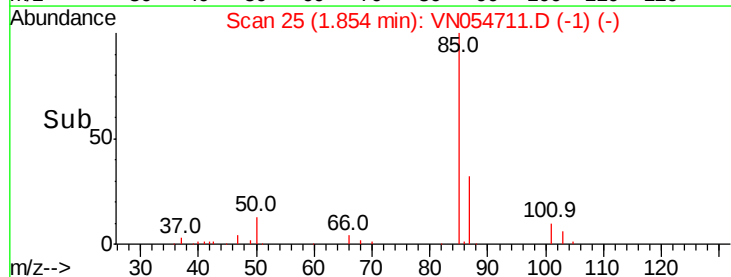
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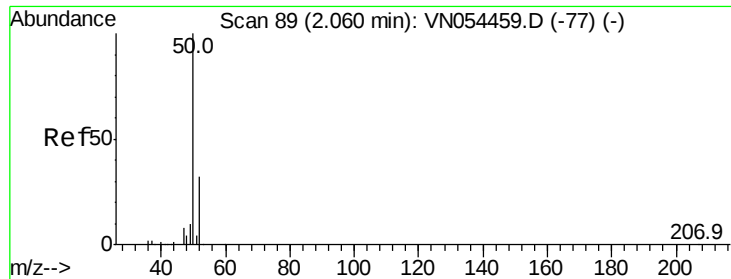
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.228 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBS01

Tot Ion: 50 Resp: 105165

Ion Ratio Lower Upper

50 100

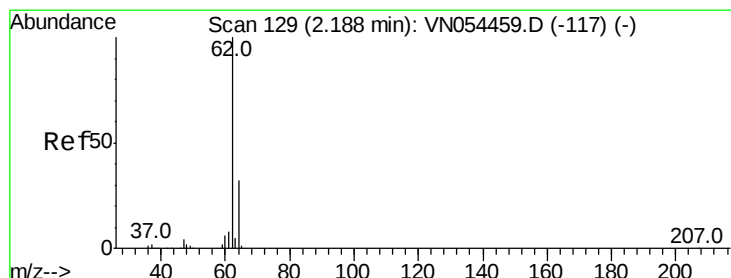
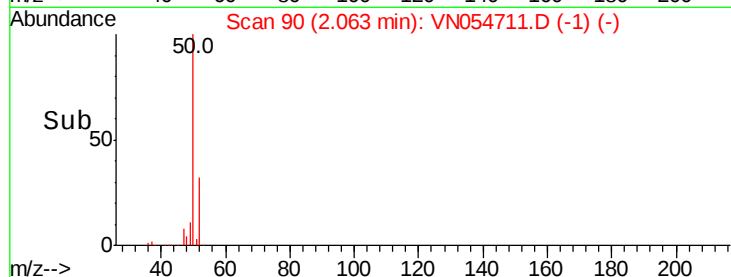
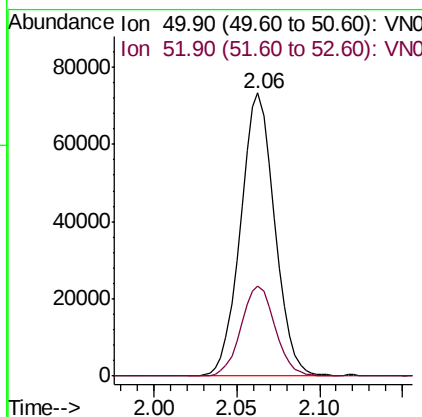
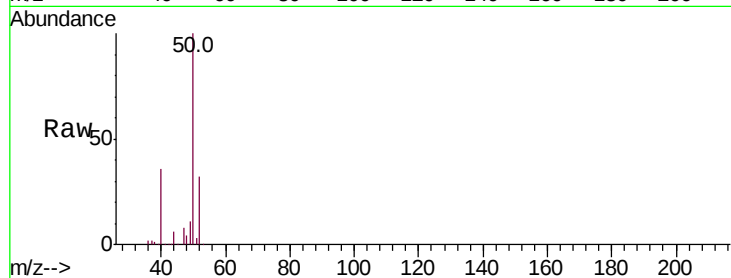
52 32.0 26.4 39.6

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 18.376 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054711.D

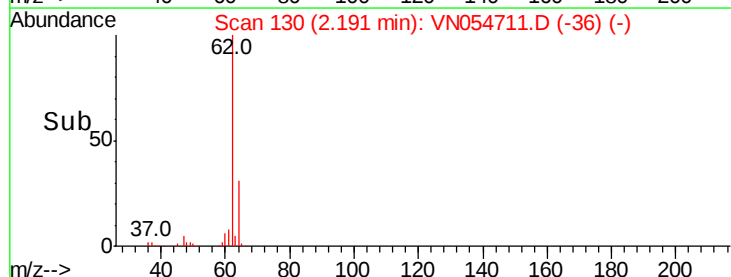
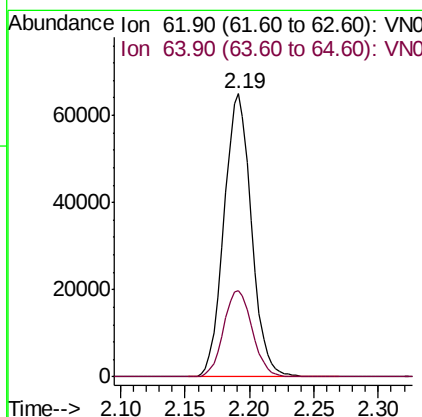
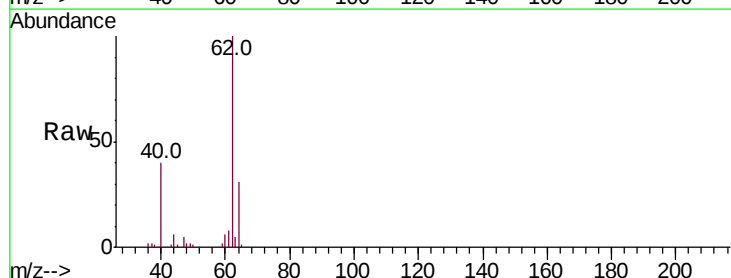
Acq: 27 Mar 2019 10:27

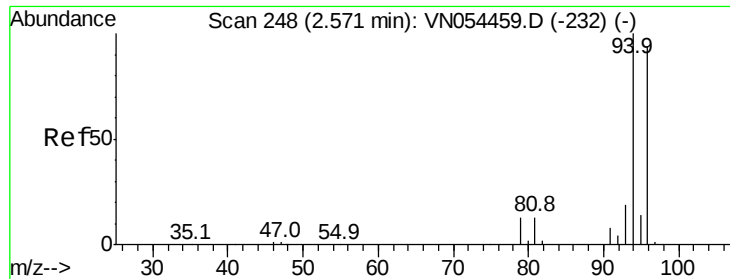
Tgt Ion: 62 Resp: 95920

Ion Ratio Lower Upper

62 100

64 30.7 25.5 38.3





#5

Bromomethane

Concen: 16.289 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

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ClientSampleId :

VN0327WBS01

Tot Ion: 94 Resp: 54981

Ion Ratio Lower Upper

94 100

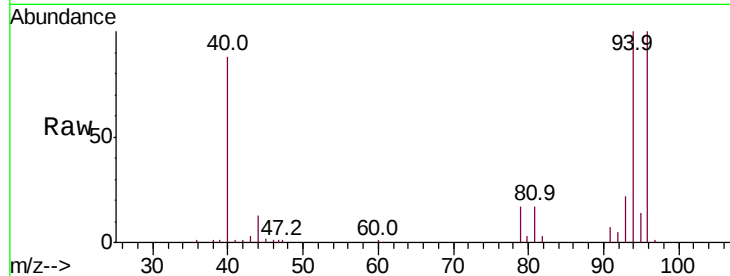
96 99.6 77.0 115.4

Manual Integrations

APPROVED

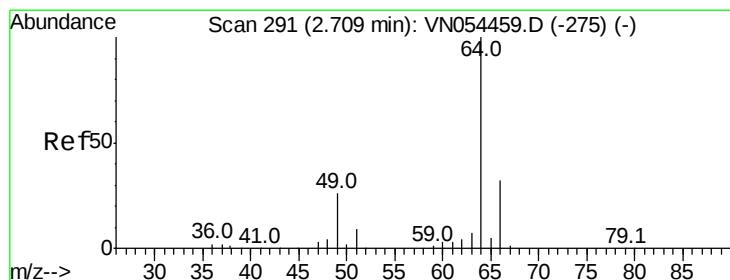
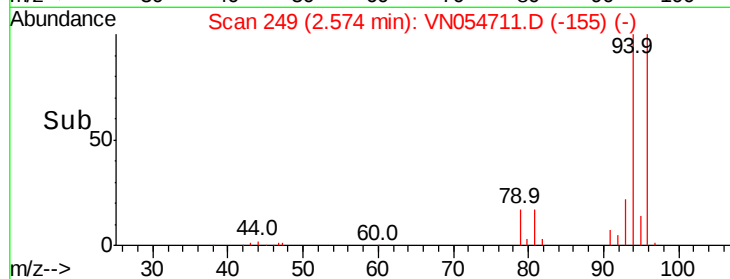
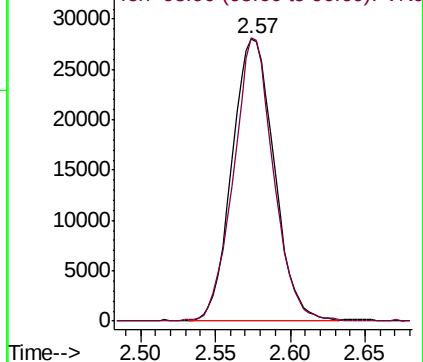
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.929 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054711.D

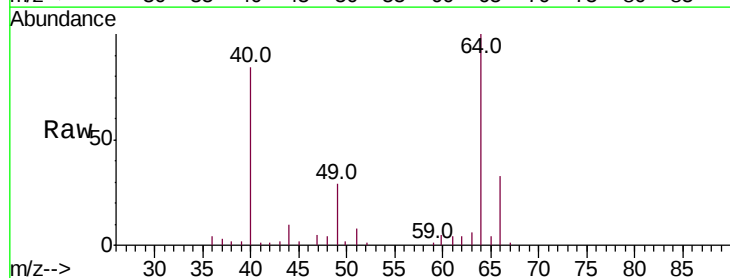
Acq: 27 Mar 2019 10:27

Tgt Ion: 64 Resp: 53001

Ion Ratio Lower Upper

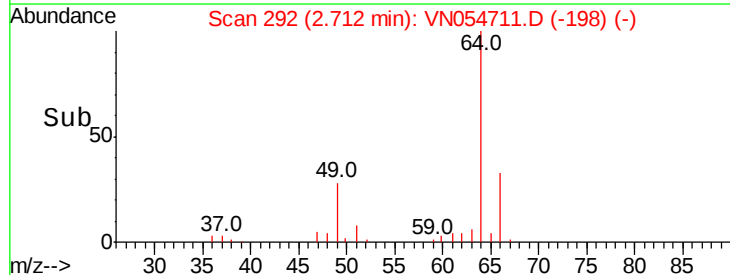
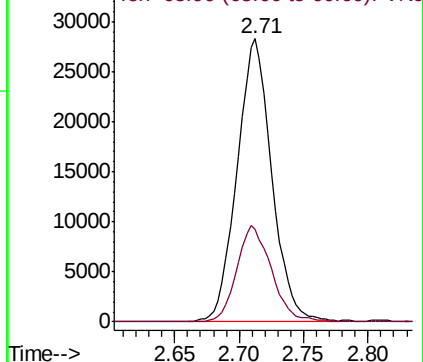
64 100

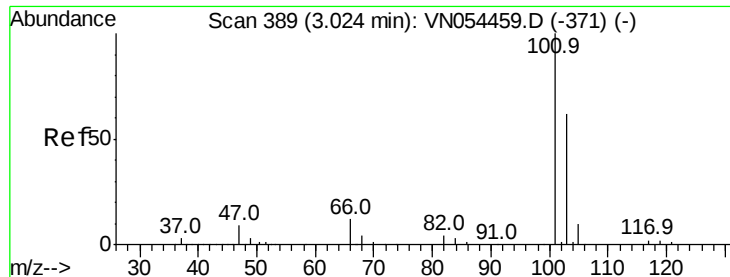
66 32.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

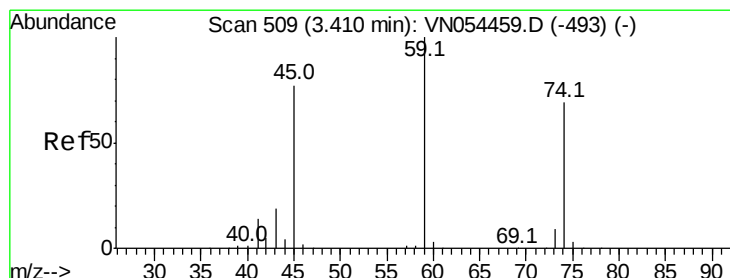
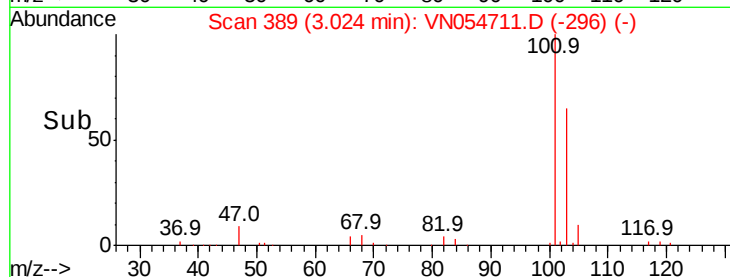
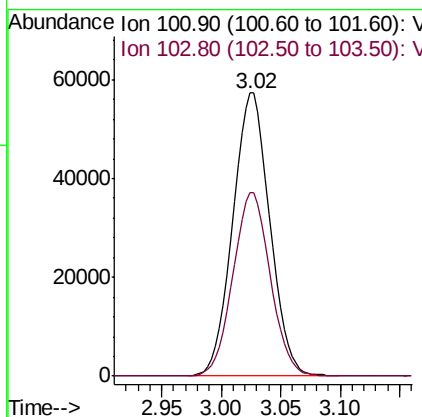
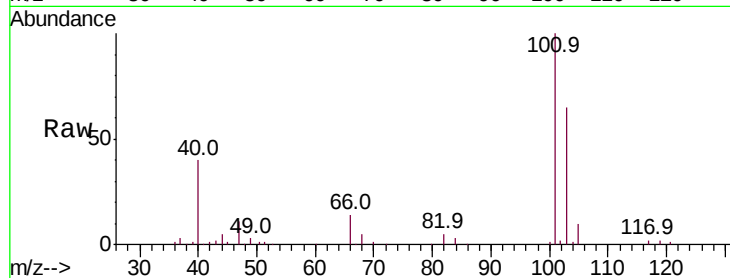
Trichlorofluoromethane
Concen: 19.502 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054711.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.4	77.2

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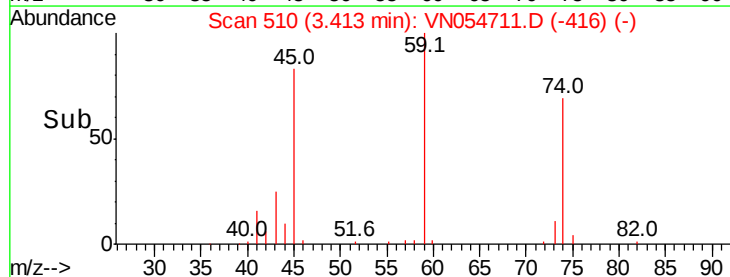
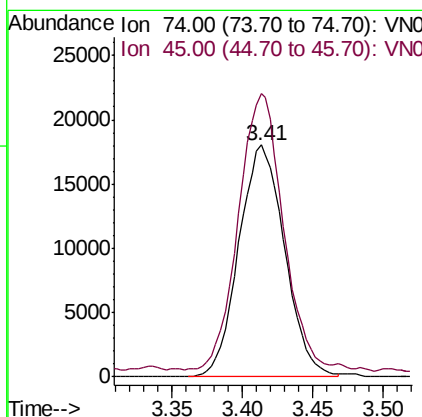
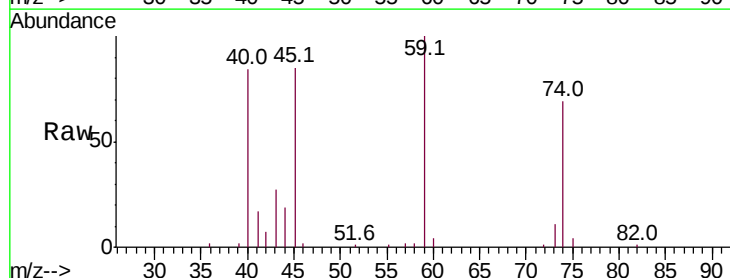
MMDadoda
3/28/2019 12:44:39 PM

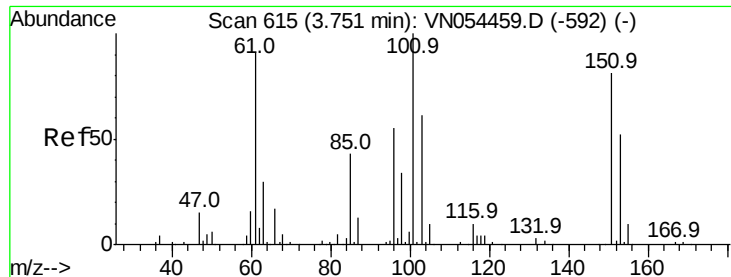


#8

Diethyl Ether
Concen: 16.836 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.1	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.031 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

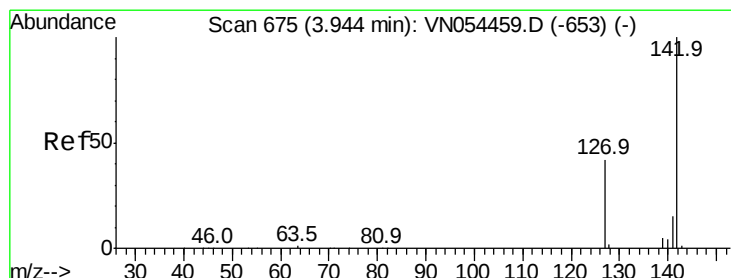
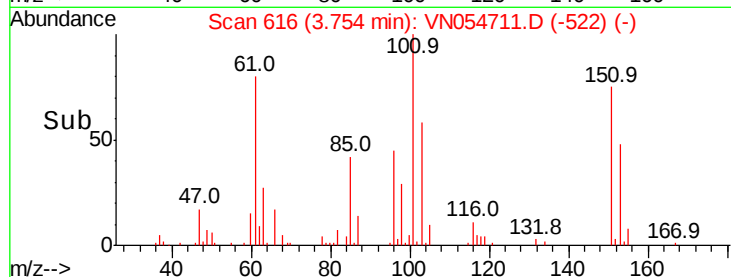
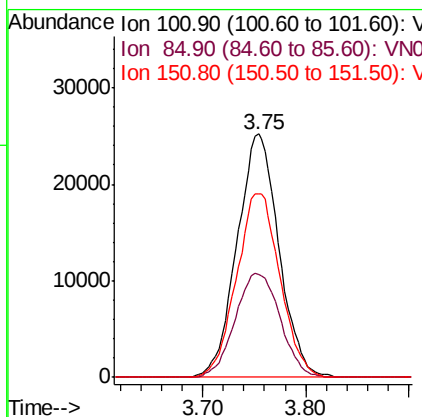
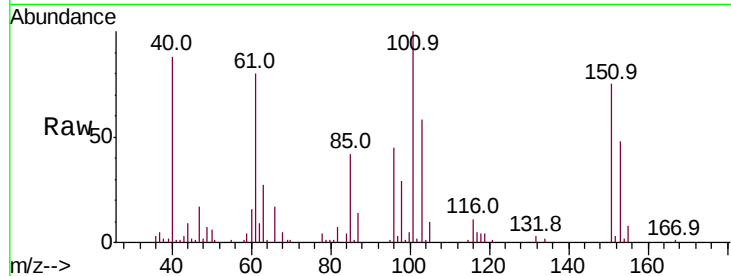
ClientSampleId :

VN0327WBS01

Tot Ion:	101	Resp:	70900
Ion Ratio	Lower	Upper	
101	100		
85	46.0	32.4	48.6
151	78.3	68.2	102.2

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#10

Methyl Iodide

Concen: 15.908 ug/l

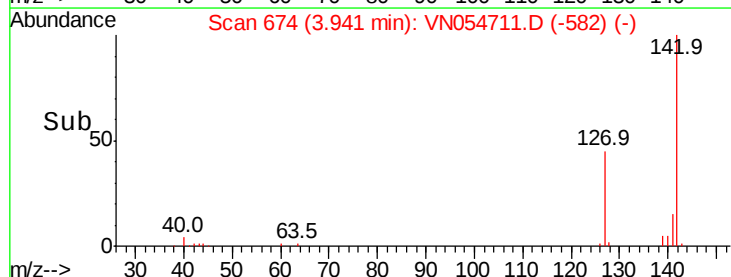
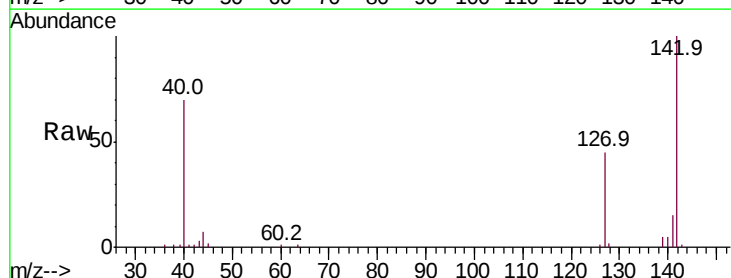
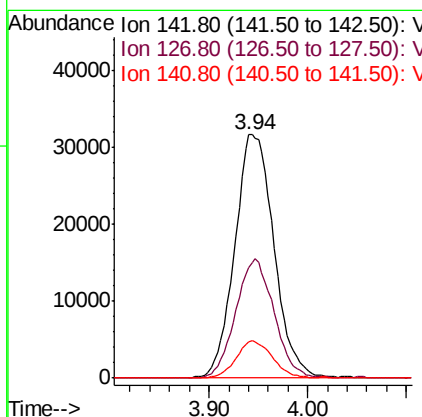
RT: 3.94 min Scan# 674

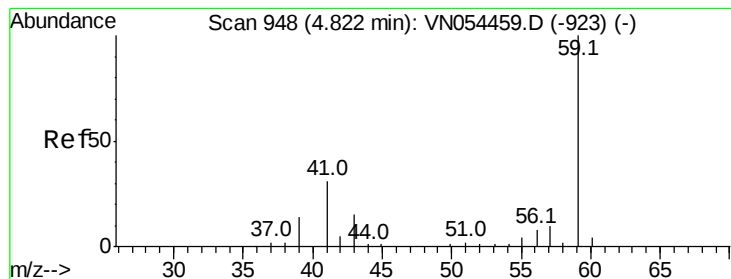
Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion:	142	Resp:	87176
Ion Ratio	Lower	Upper	
142	100		
127	47.9	30.3	45.5#
141	14.3	11.2	16.8





#11

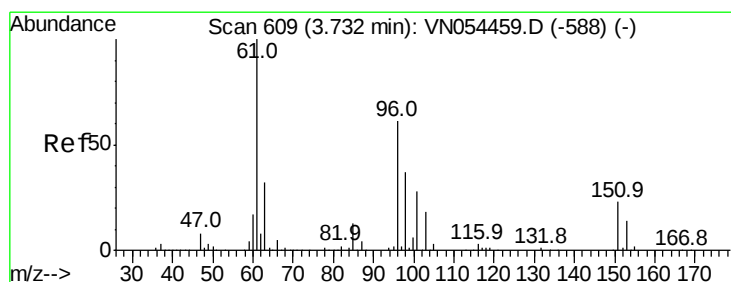
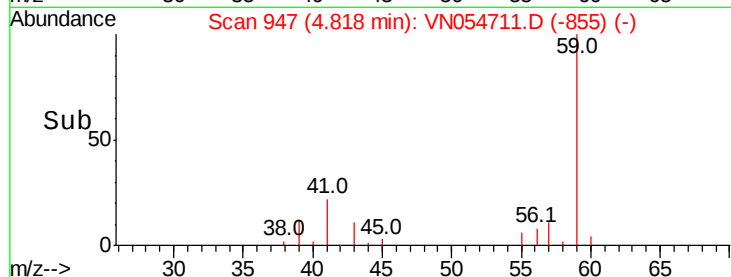
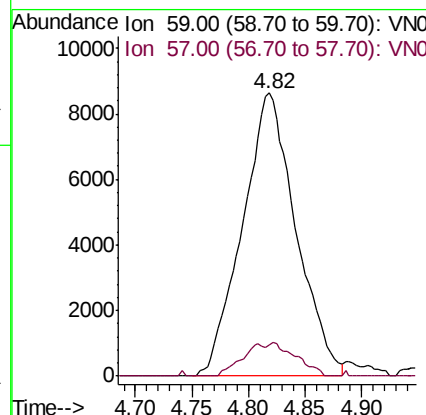
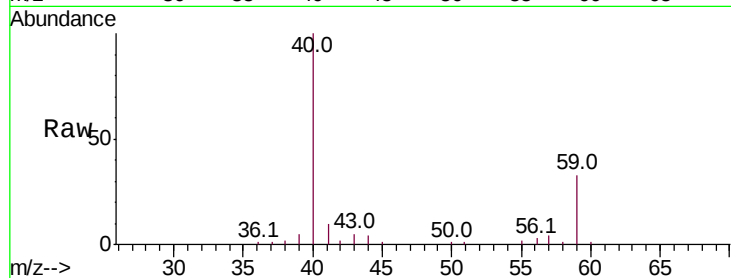
Tert butyl alcohol
 Concen: 94.195 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.6#

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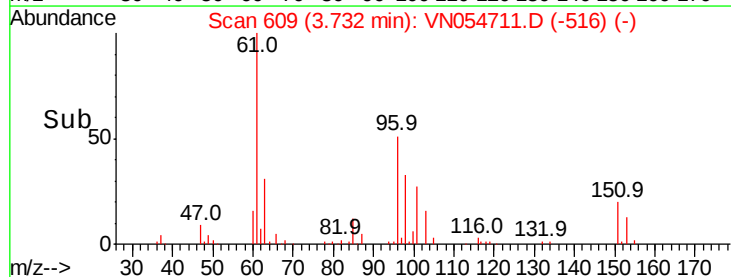
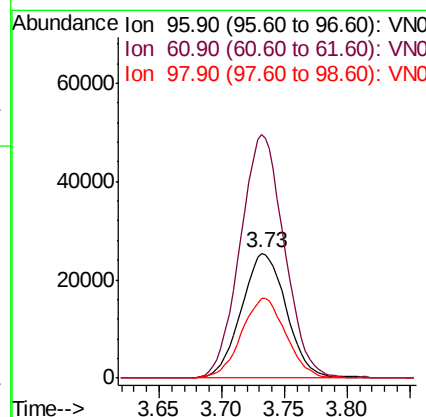
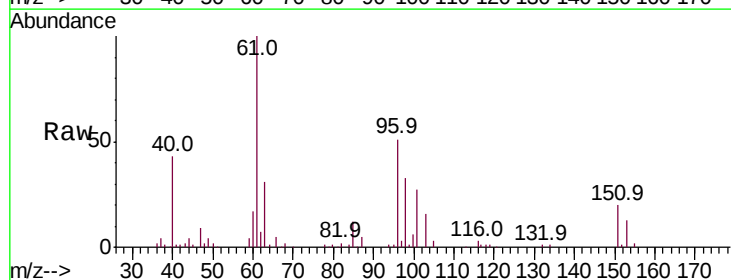
MMDadoda
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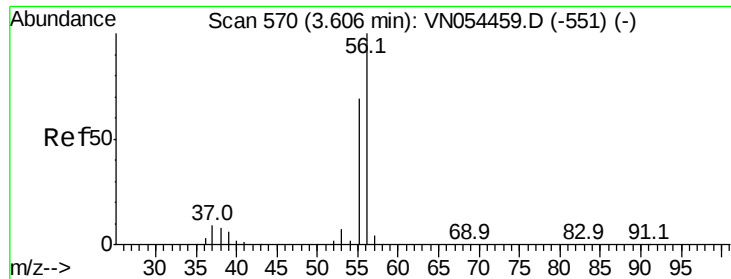


#12

1,1-Dichloroethene
 Concen: 16.390 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.2	116.5	174.7#
98	63.6	51.0	76.4





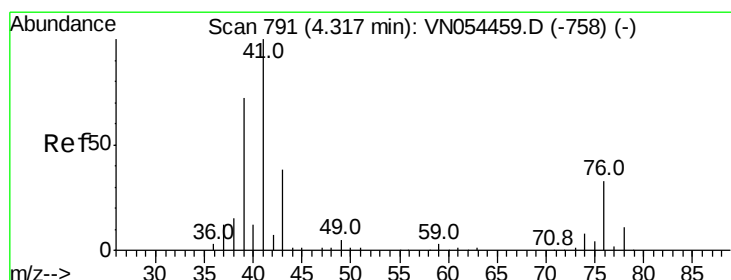
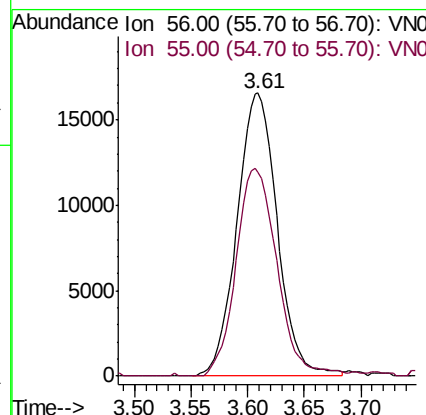
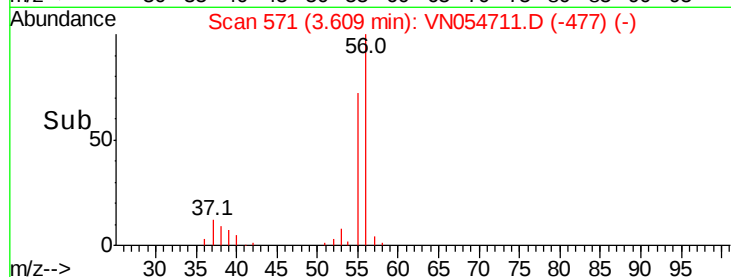
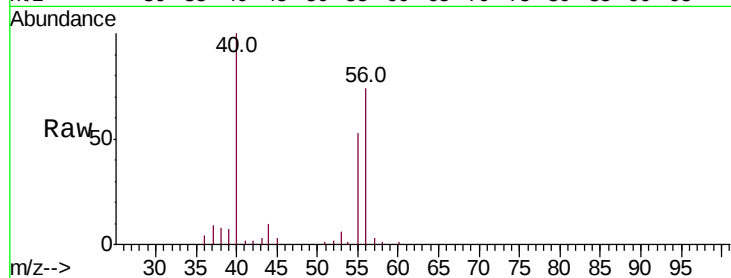
#13
Acrolein
Concen: 98.842 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBS01

Tot Ion: 56 Resp: 41058
Ion Ratio Lower Upper
56 100
55 74.7 56.7 85.1

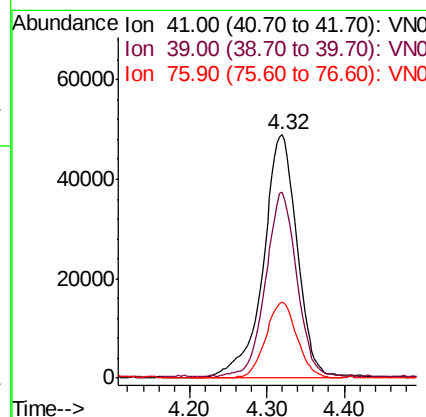
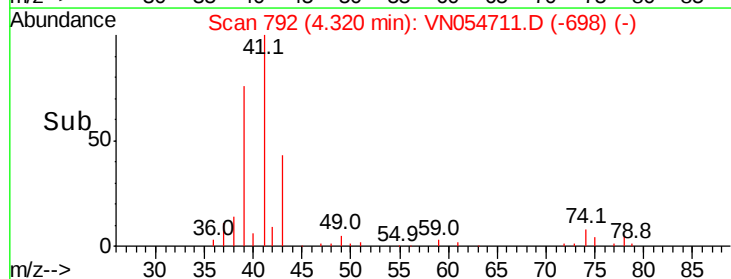
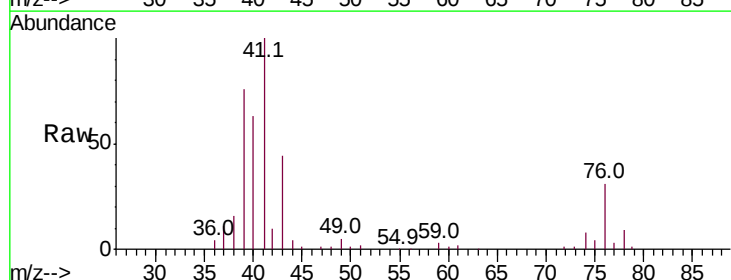
Manual Integrations
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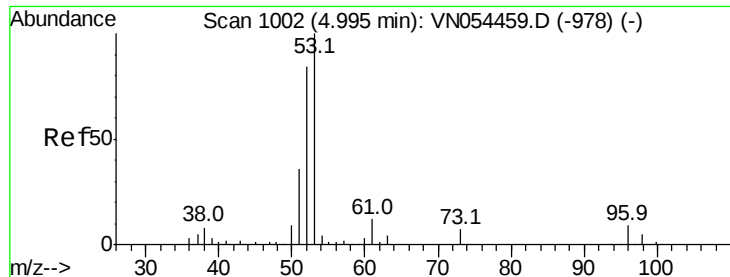
MMDadoda
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#14
Allyl chloride
Concen: 20.523 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 41 Resp: 148995
Ion Ratio Lower Upper
41 100
39 71.4 58.2 87.4
76 28.8 31.7 47.5#





#15

Acrylonitrile

Concen: 105.103 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

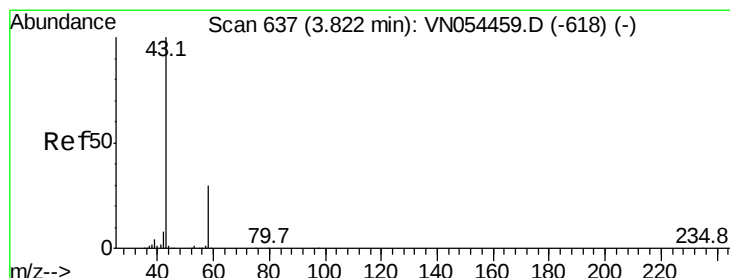
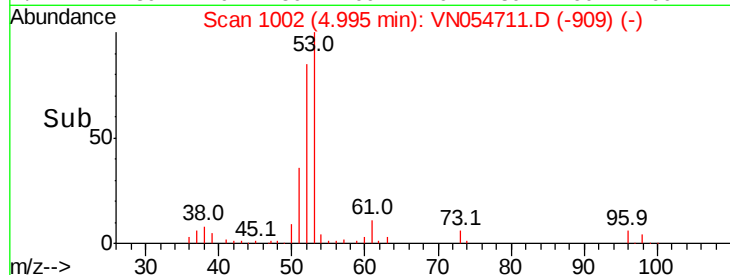
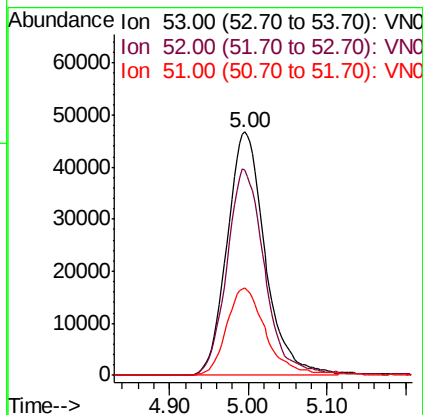
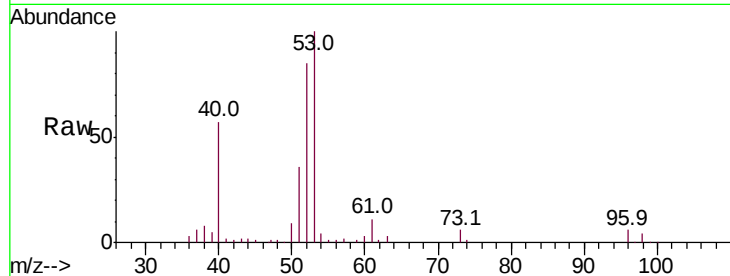
ClientSampleId :

VN0327WBS01

Tot Ion:	53	Resp:	157546
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.4	99.6
51	36.9	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 103.134 ug/l

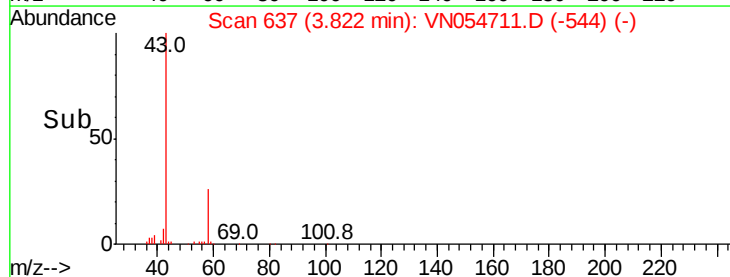
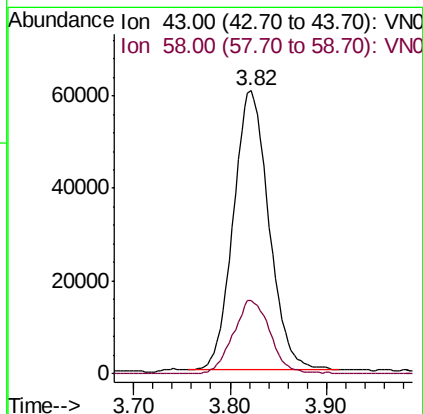
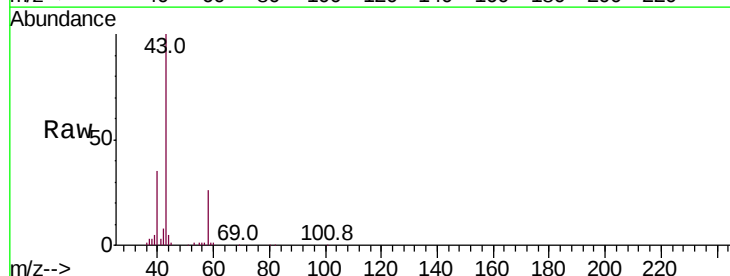
RT: 3.82 min Scan# 637

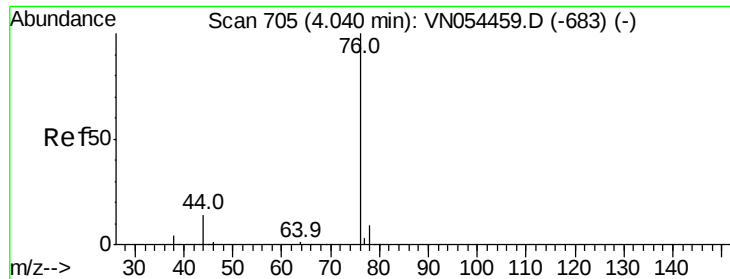
Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion:	43	Resp:	154162
Ion Ratio	Lower	Upper	
43	100		
58	26.4	29.9	44.9#





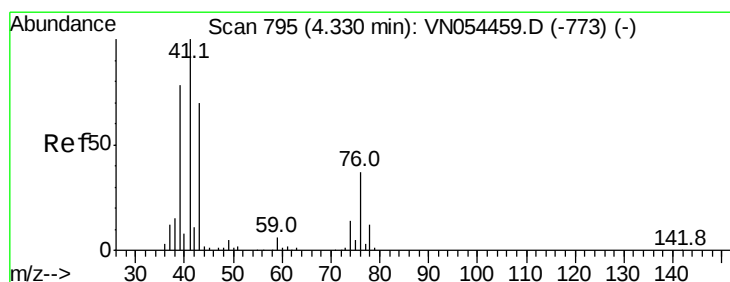
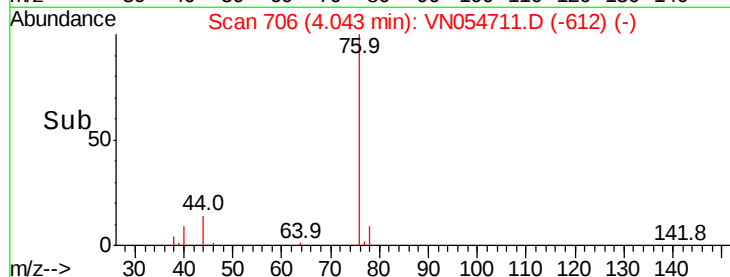
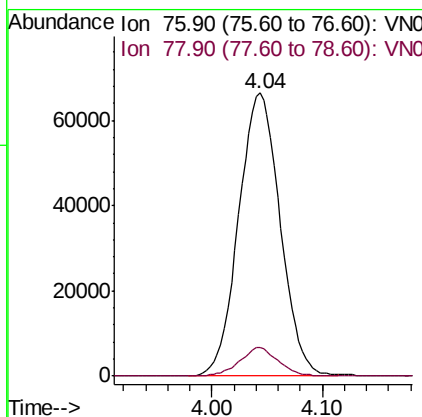
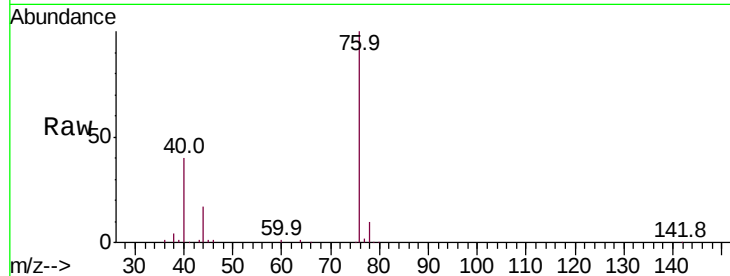
#17
Carbon Disulfide
Concen: 16.744 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.5	11.3

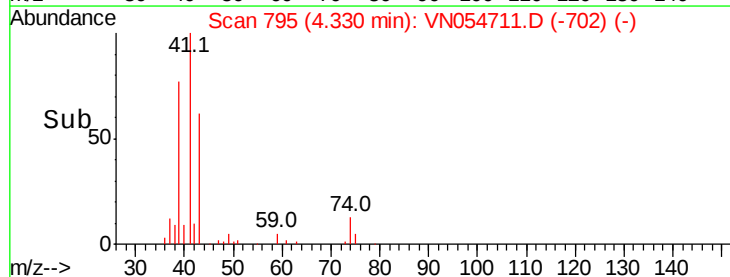
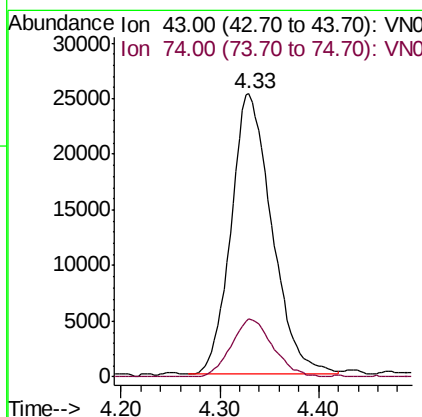
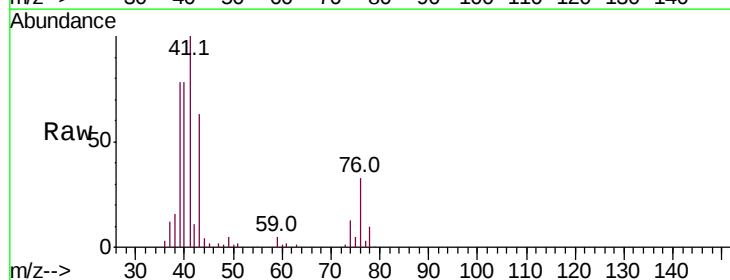
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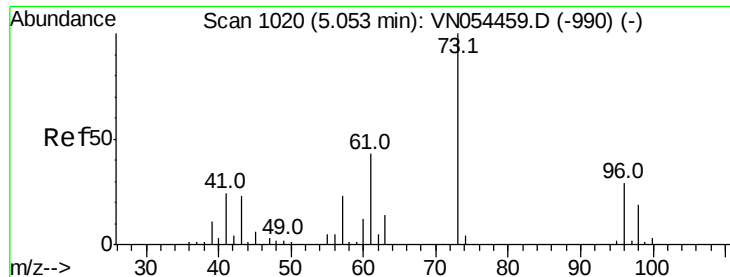
MMDadoda
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#18
Methyl Acetate
Concen: 21.773 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	20.8	31.2





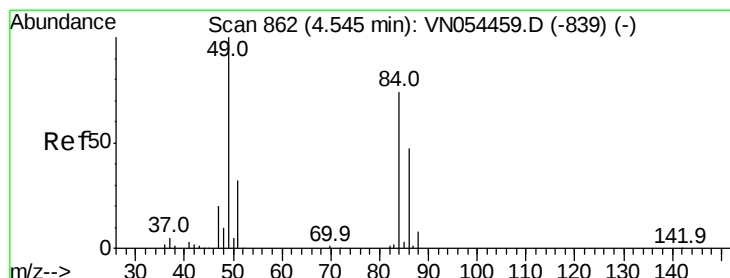
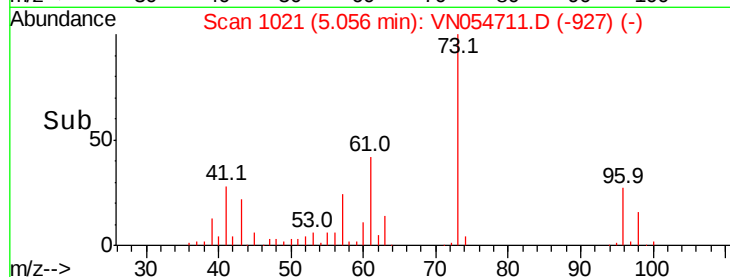
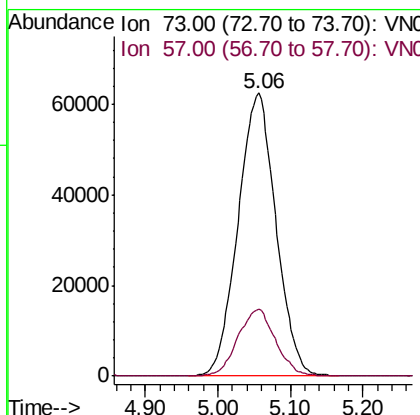
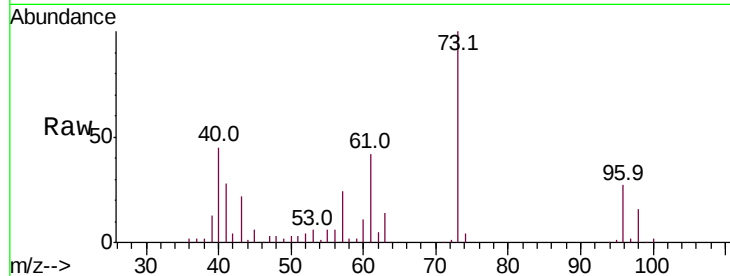
#19
Methyl tert-butyl Ether
Concen: 20.210 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBS01

Tot Ion: 73 Resp: 227400
Ion Ratio Lower Upper
73 100
57 23.7 16.8 25.2

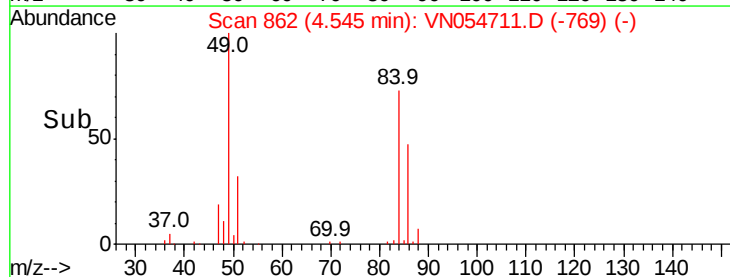
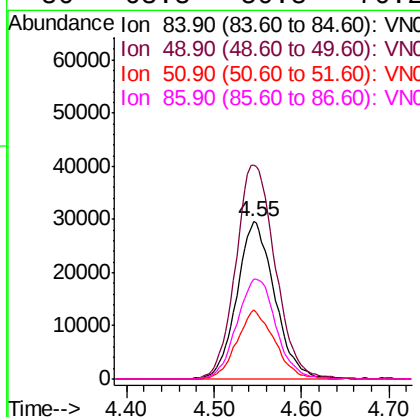
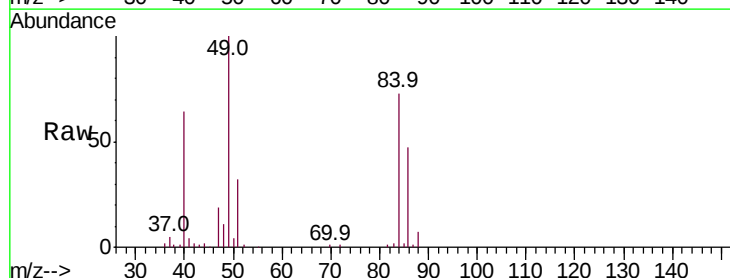
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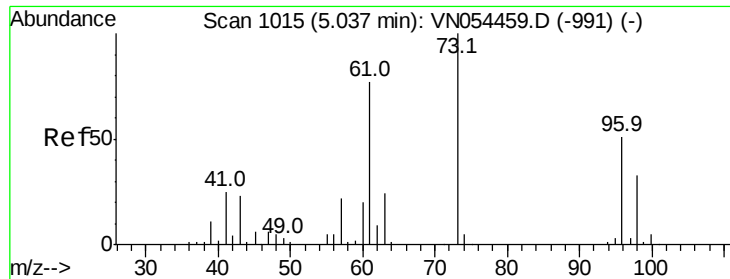
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#20
Methylene Chloride
Concen: 20.118 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 84 Resp: 88647
Ion Ratio Lower Upper
84 100
49 136.1 89.7 134.5#
51 43.8 28.2 42.4#
86 63.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.205 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampled :

VN0327WBS01

Tot Ion: 96 Resp: 79543

Ion Ratio Lower Upper

96 100

61 149.6 102.8 154.2

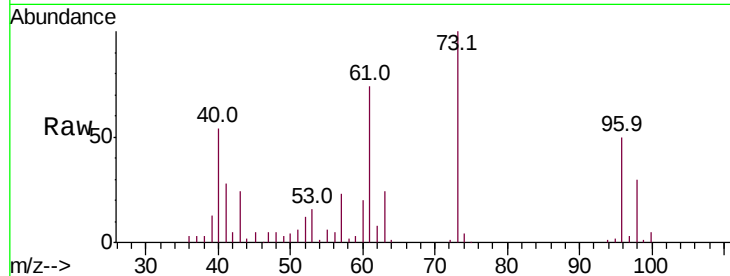
98 59.7 50.0 75.0

Manual Integrations

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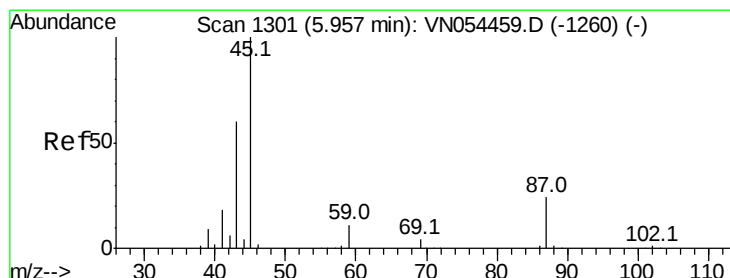
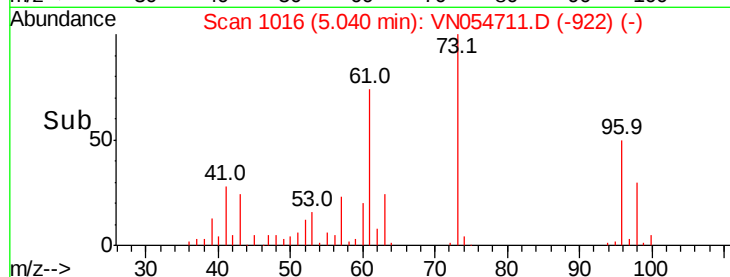
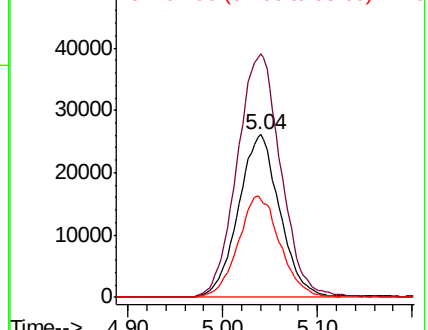


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 21.687 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion: 45 Resp: 310556

Ion Ratio Lower Upper

45 100

43 58.6 48.2 72.2

87 22.6 24.9 37.3#

59 10.0 9.5 14.3

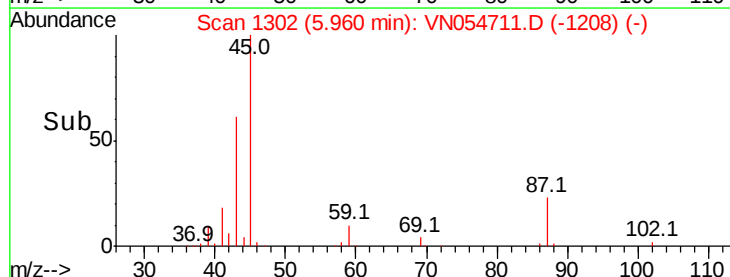
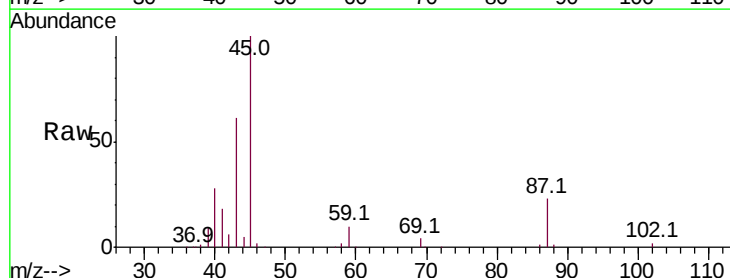
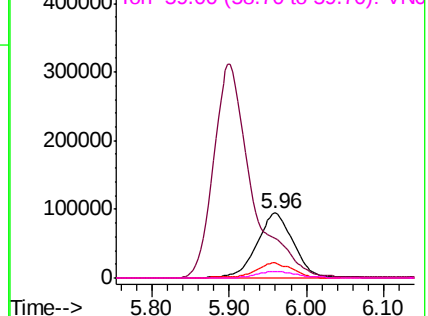
Abundance

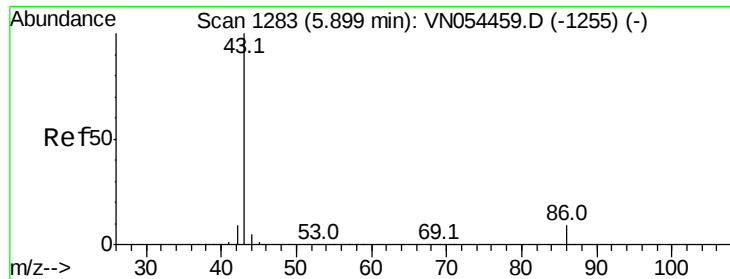
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 105.557 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBS01

Tot Ion: 43 Resp: 1067582

Ion Ratio Lower Upper

43 100

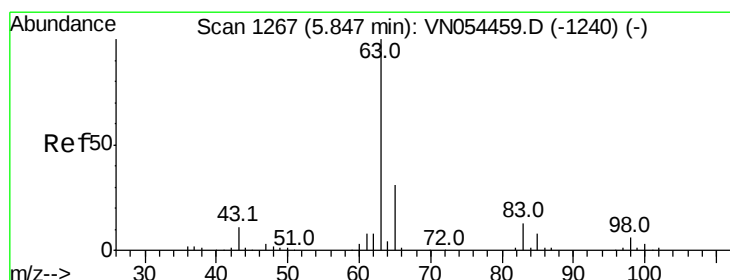
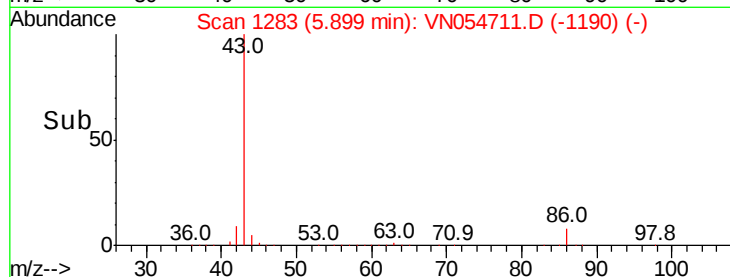
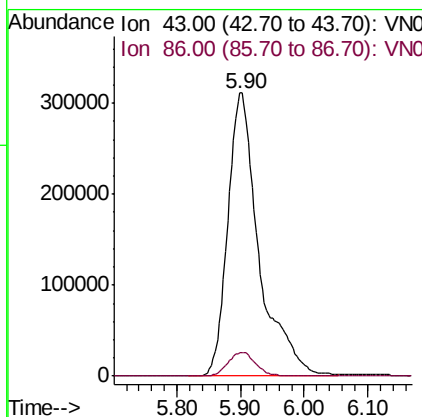
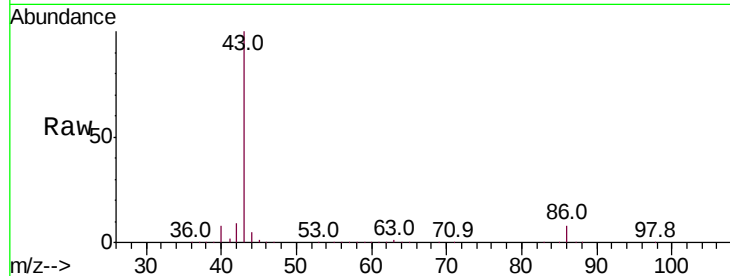
86 8.3 9.1 13.7#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.506 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

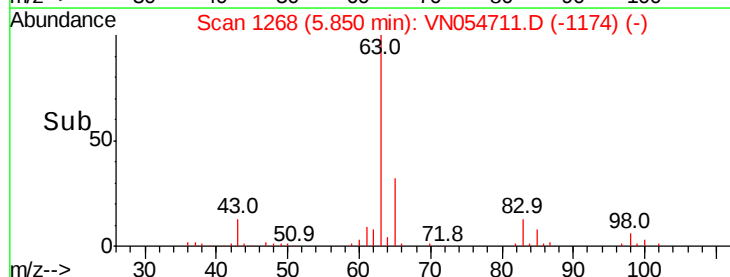
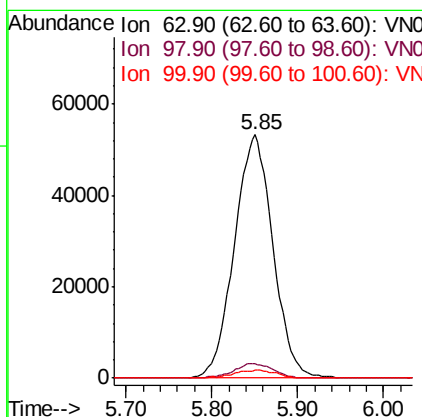
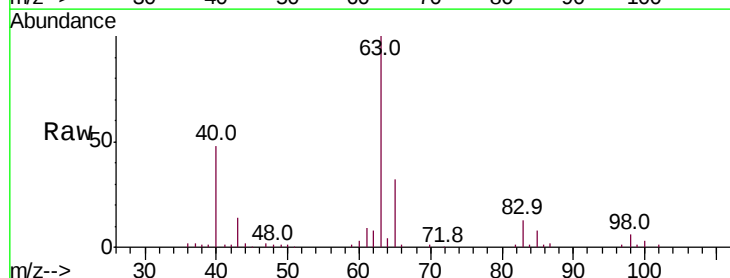
Tgt Ion: 63 Resp: 165820

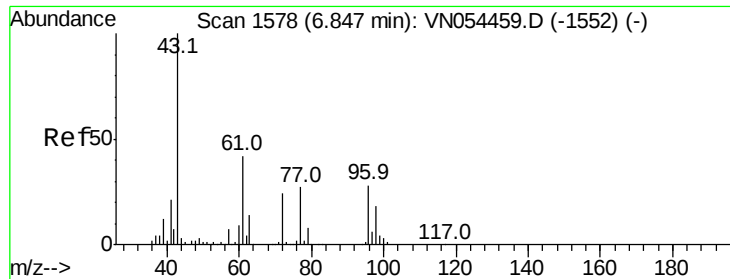
Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.5

100 3.1 2.0 6.0





#25

2-Butanone

Concen: 107.989 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBS01

Tot Ion: 43 Resp: 206777

Ion Ratio Lower Upper

43 100

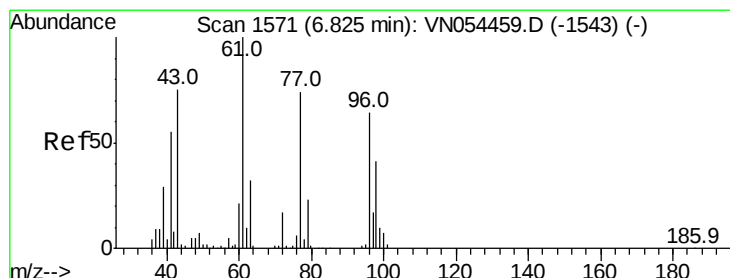
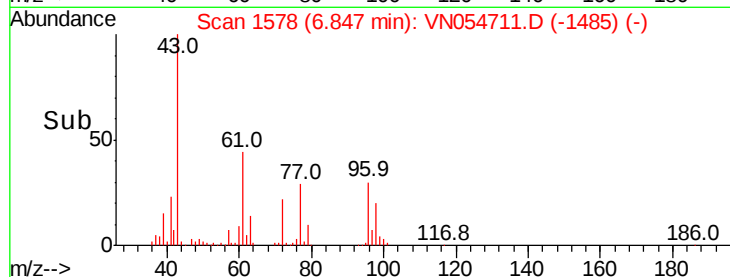
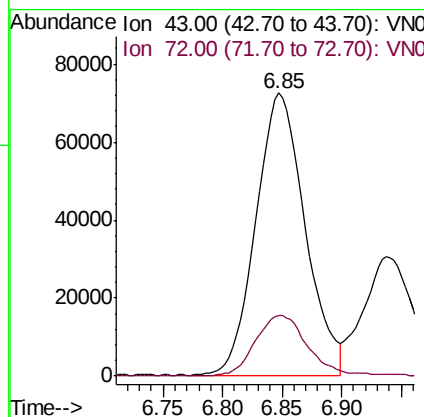
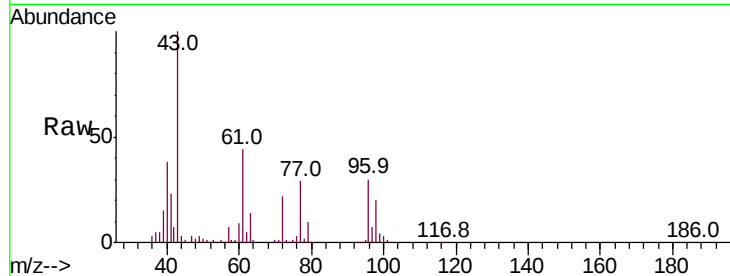
72 21.7 23.0 34.6#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.330 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054711.D

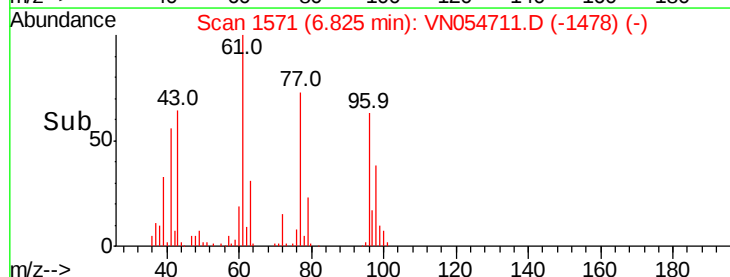
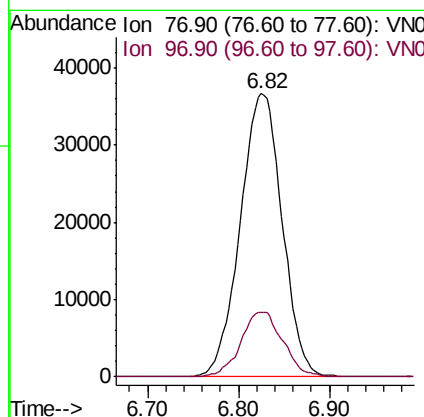
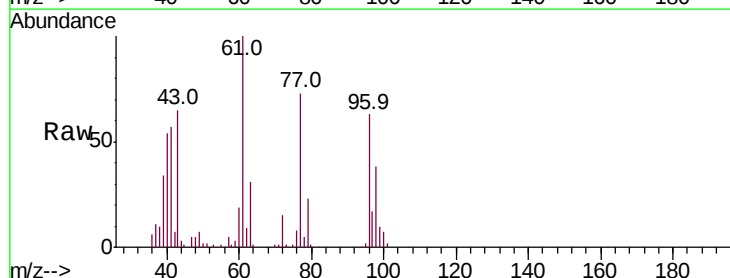
Acq: 27 Mar 2019 10:27

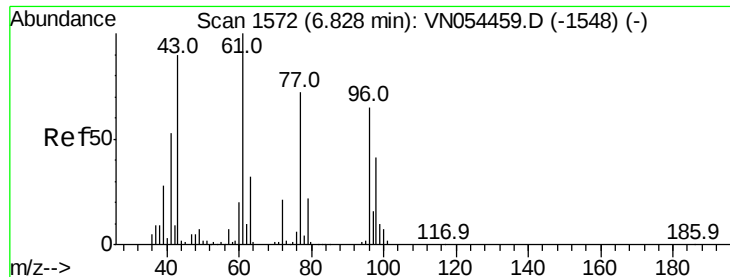
Tgt Ion: 77 Resp: 117236

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.372 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

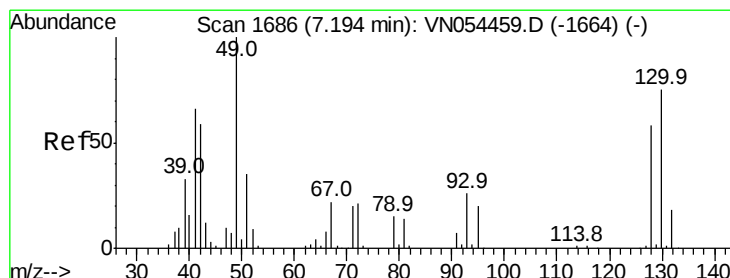
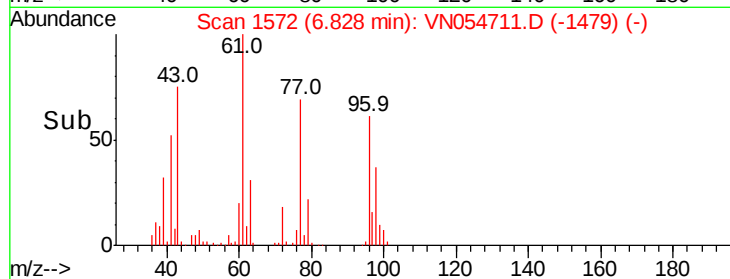
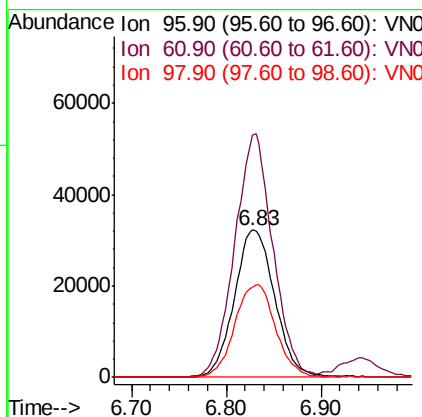
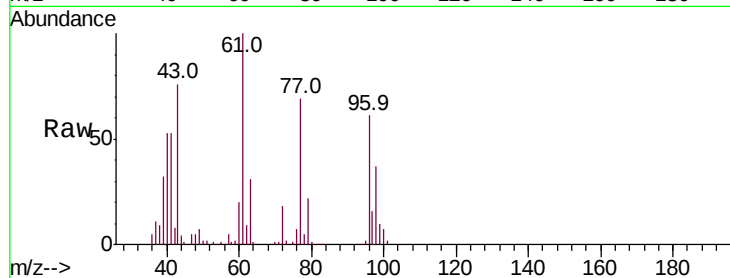
ClientSampleId :

VN0327WBS01

Tot Ion:	96	Resp:	95659
Ion	Ratio	Lower	Upper
96	100		
61	156.2	0.0	273.0
98	63.8	0.0	130.6

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#28

Bromochloromethane

Concen: 21.815 ug/l

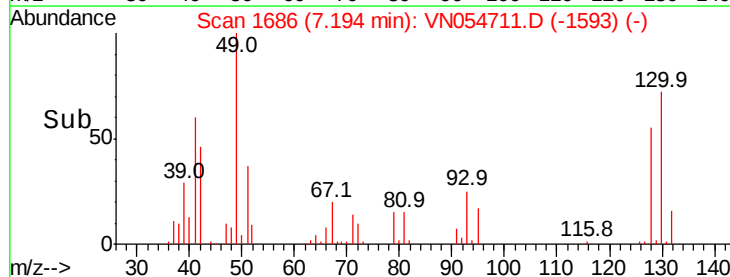
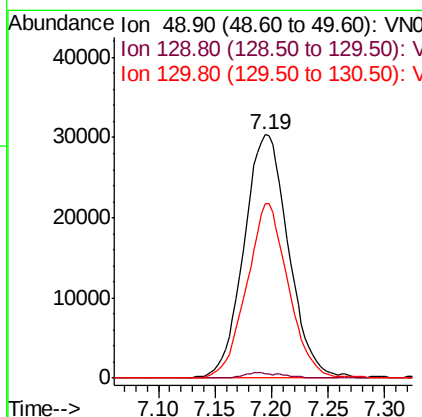
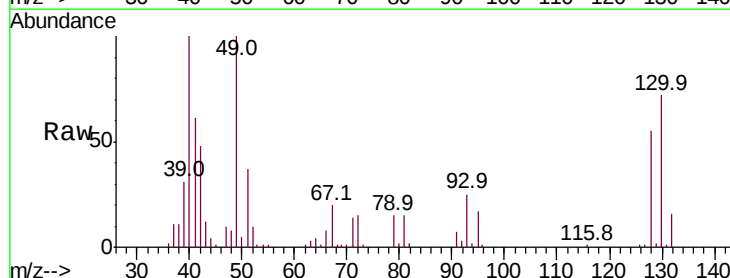
RT: 7.19 min Scan# 1686

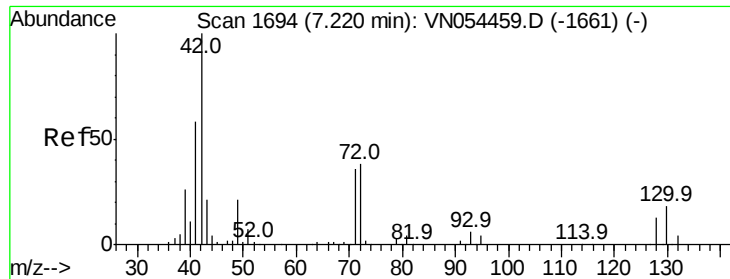
Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion:	49	Resp:	82794
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.6
130	66.9	76.7	115.1#





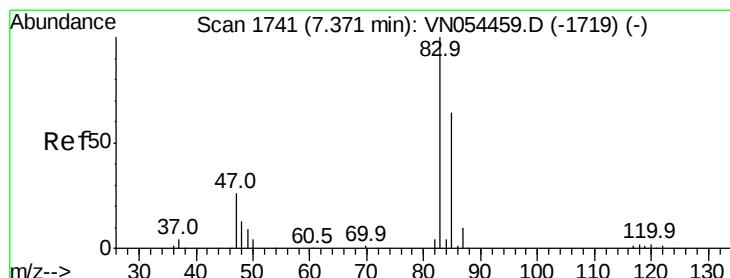
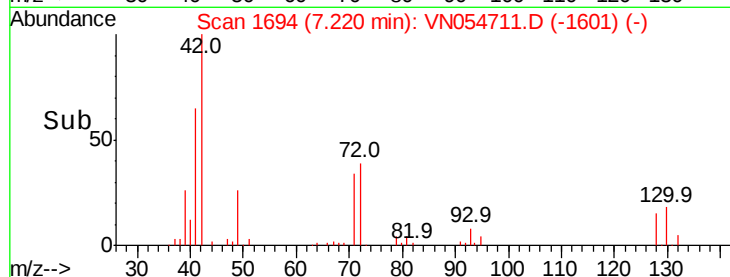
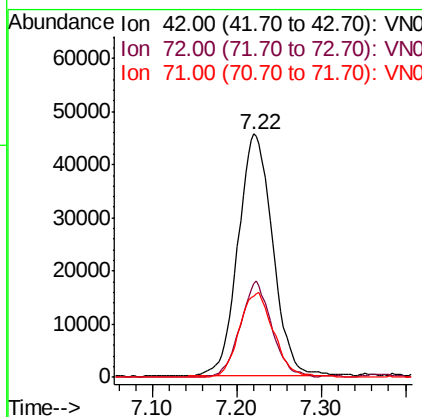
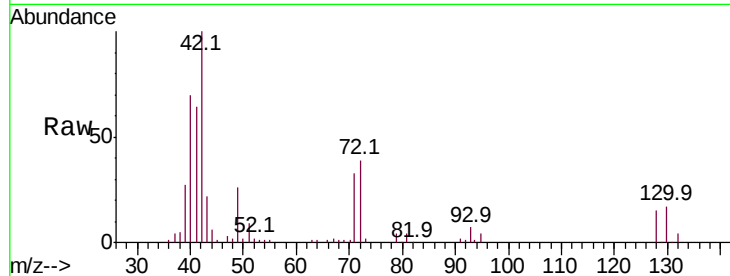
#29
Tetrahydrofuran
Concen: 105.181 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	37.8	56.6#
71	34.6	36.2	54.2#

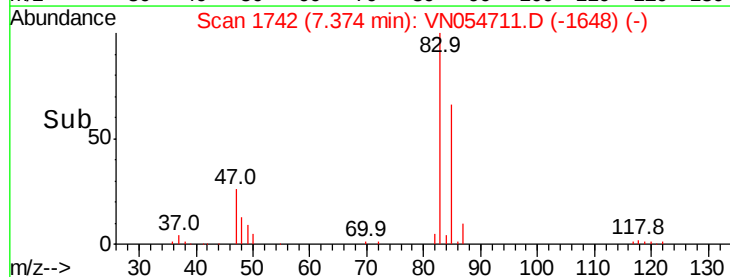
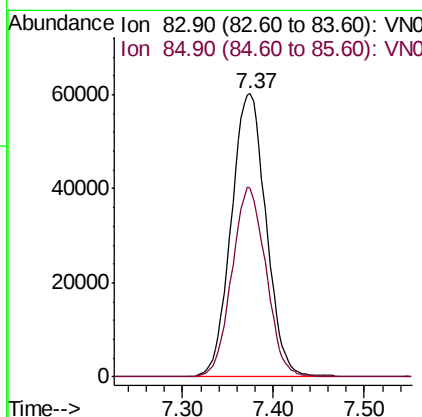
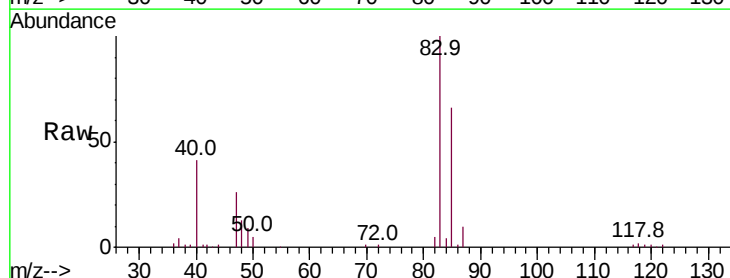
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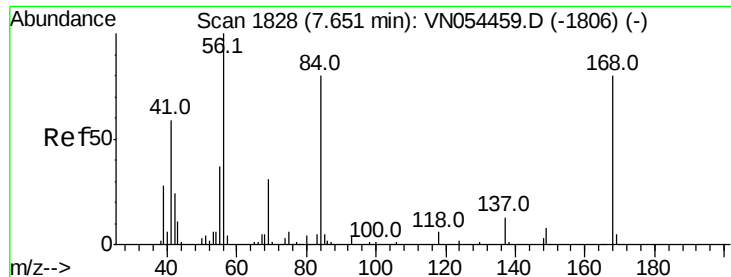
MMDadoda
3/28/2019 12:44:39 PM



#30
Chloroform
Concen: 21.280 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.2	78.4





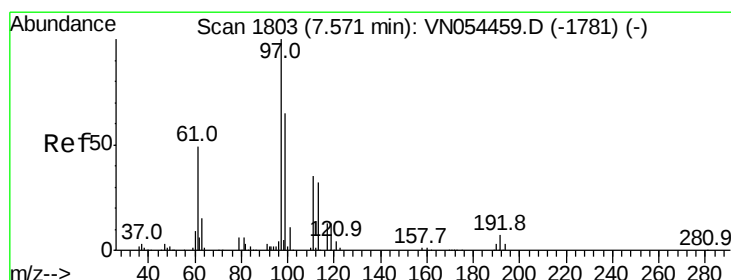
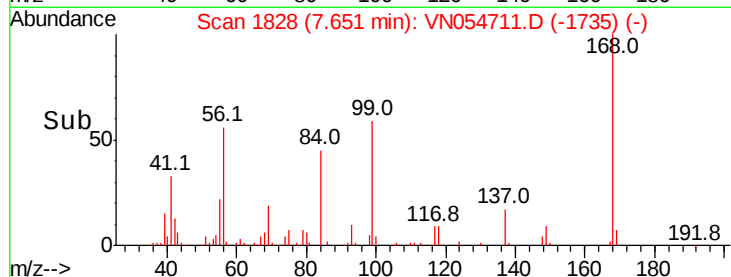
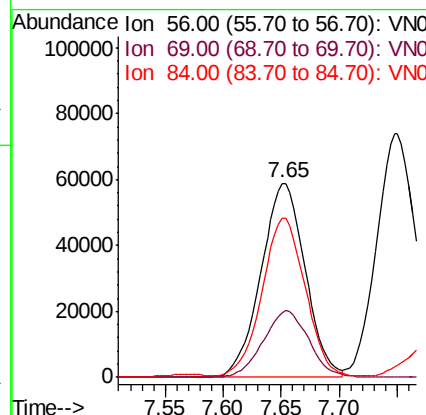
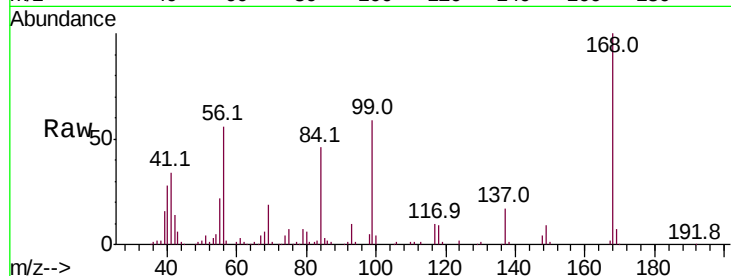
#31
Cyclohexane
Concen: 20.009 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleID :
VN0327WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	27.8	41.6
84	80.6	74.6	111.8

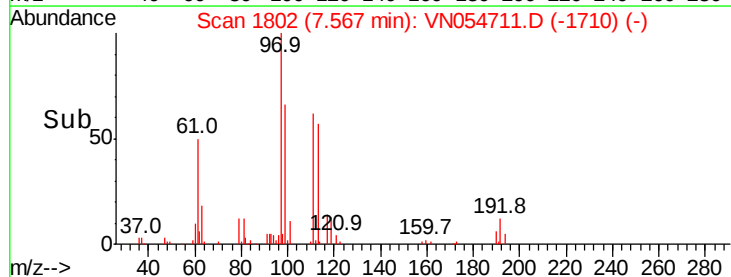
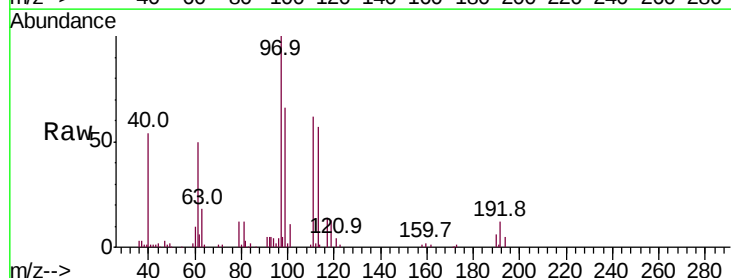
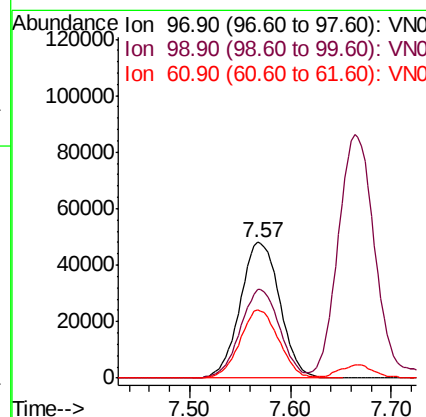
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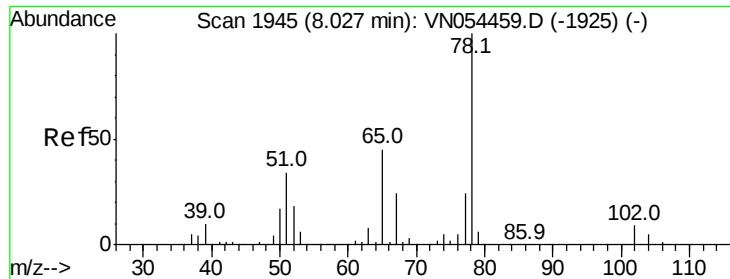
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.090 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.5	77.3
61	49.2	33.6	50.4





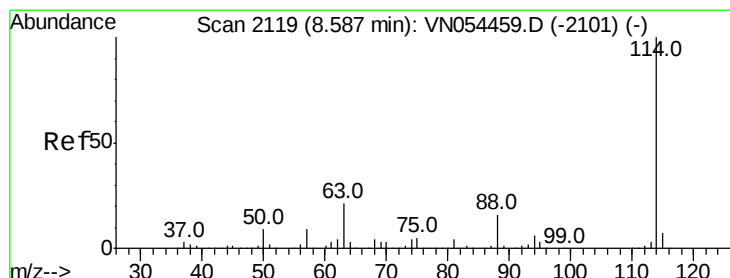
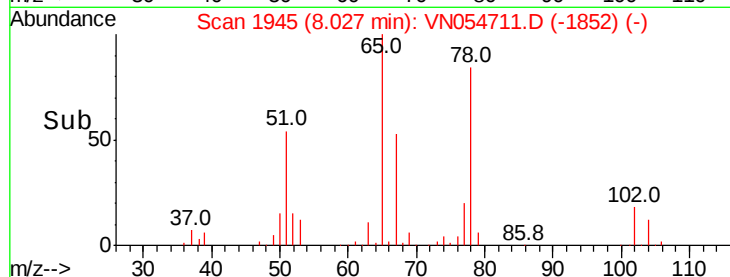
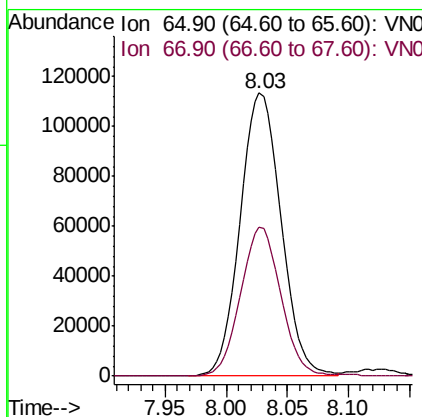
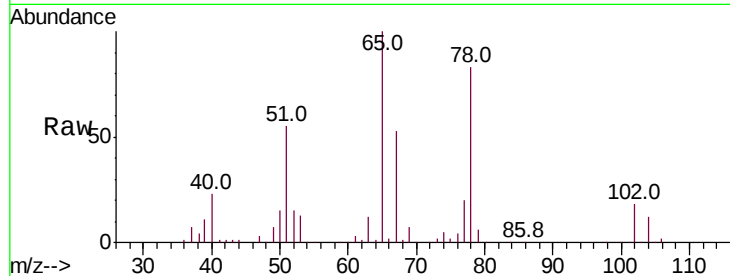
#33
 1,2-Dichloroethane-d4
 Concen: 53.012 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	263564		
67	51.6	0.0	104.6	

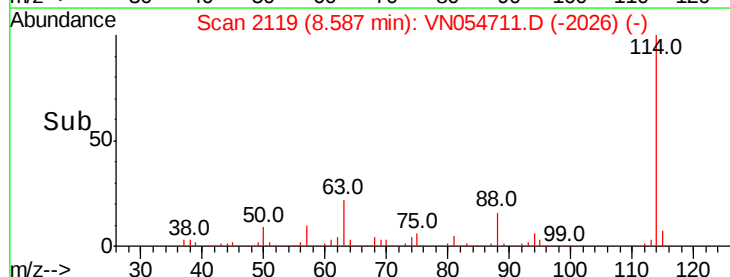
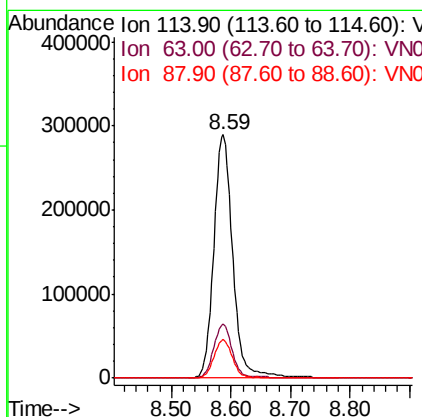
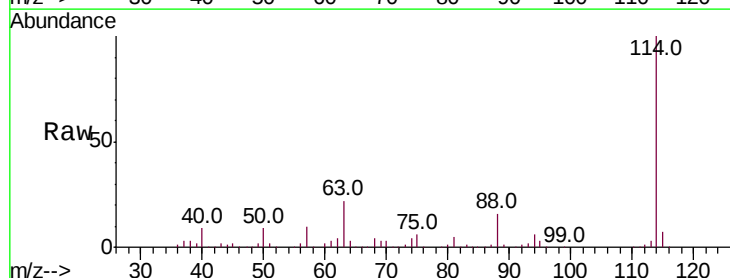
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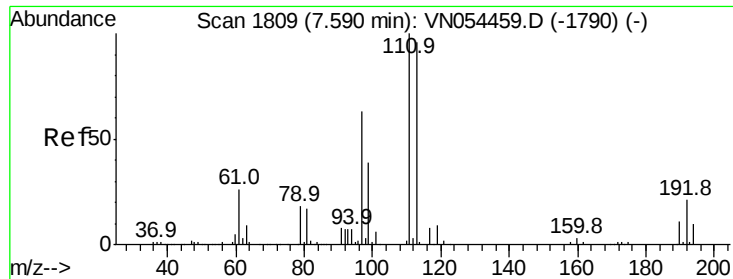
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	641543		
63	22.0	0.0	35.2	
88	15.7	0.0	30.2	





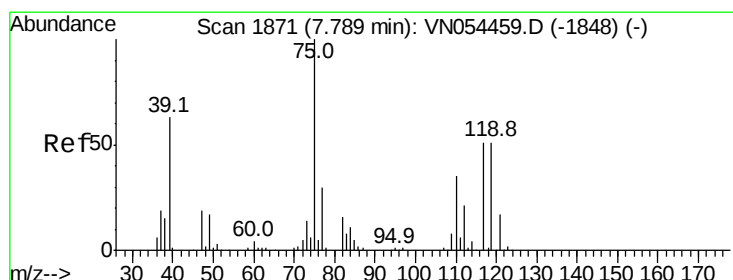
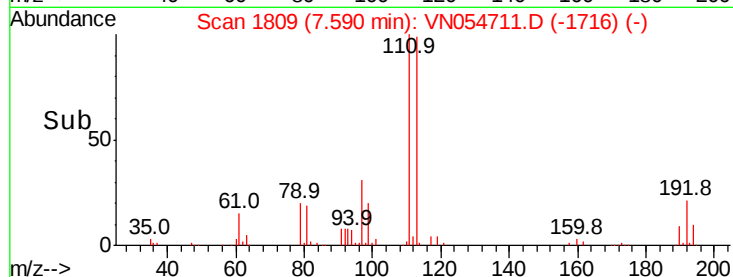
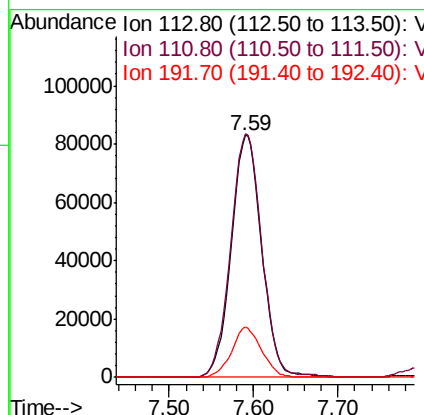
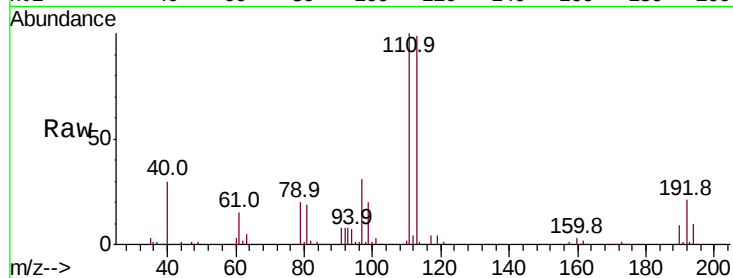
#35
 Dibromofluoromethane
 Concen: 50.482 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0327WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	20.4	19.2	28.8

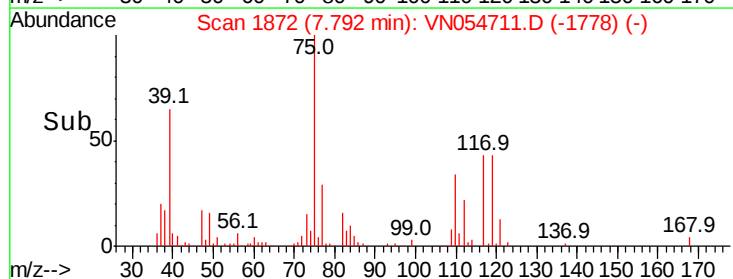
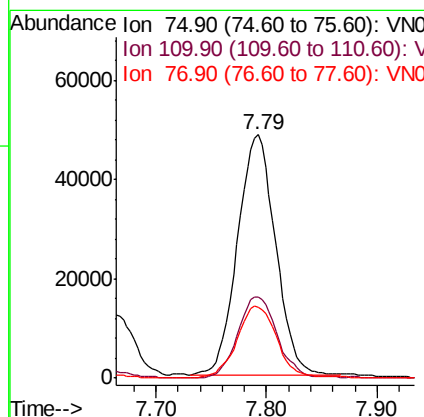
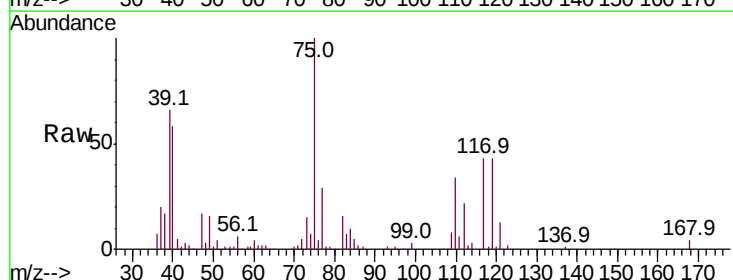
Manual Integrations
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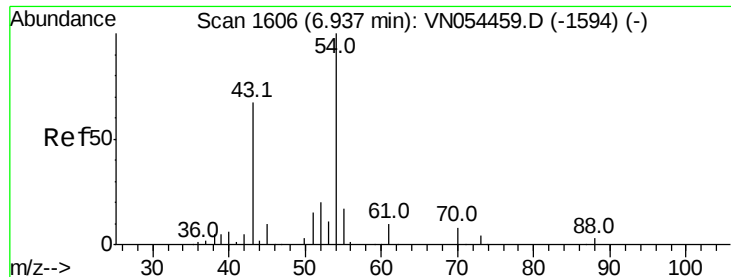
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.254 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	19.1	57.5
77	31.5	25.0	37.4





#37

Ethyl Acetate

Concen: 19.934 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN054711.D

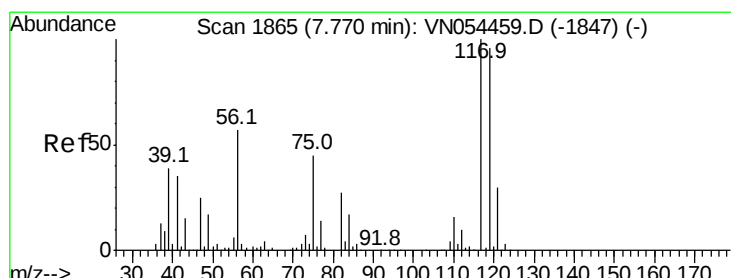
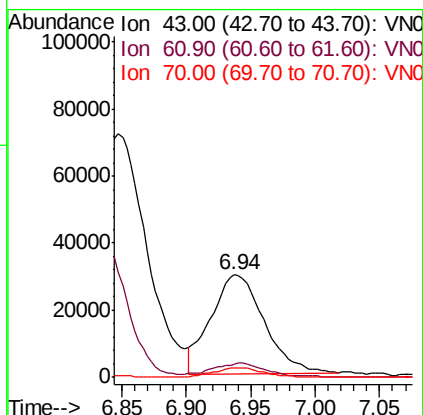
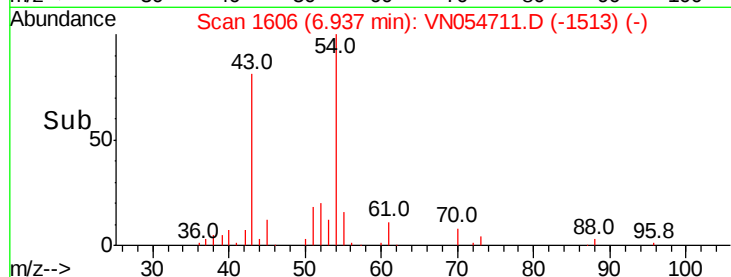
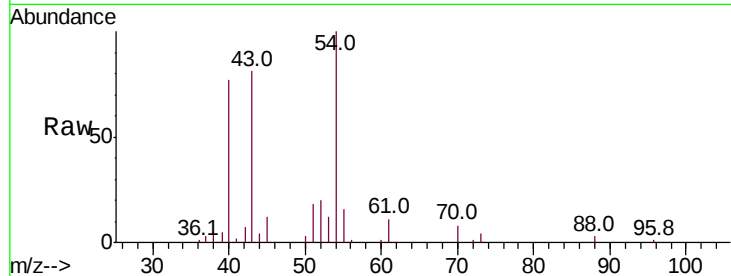
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampled :
VN0327WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.6
70	9.1	8.4	12.6

Manual Integrations
APPROVED

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#38

Carbon Tetrachloride

Concen: 19.542 ug/l

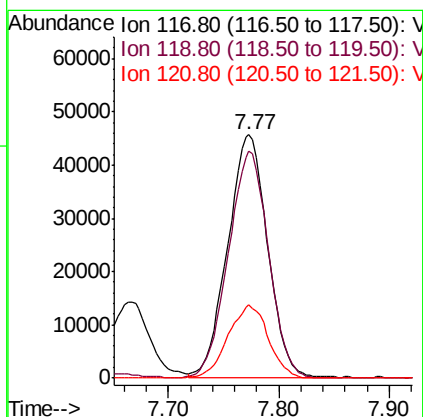
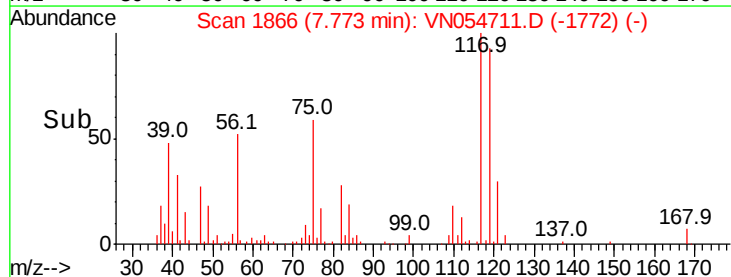
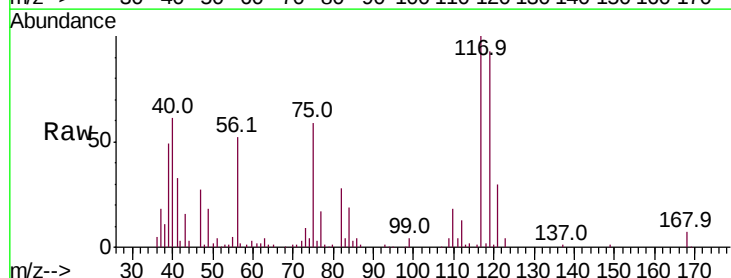
RT: 7.77 min Scan# 1866

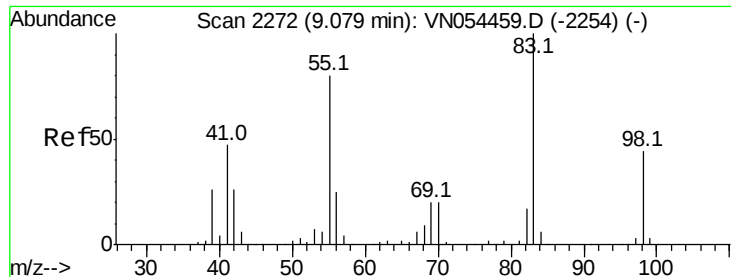
Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.3	114.5
121	30.1	24.6	36.8





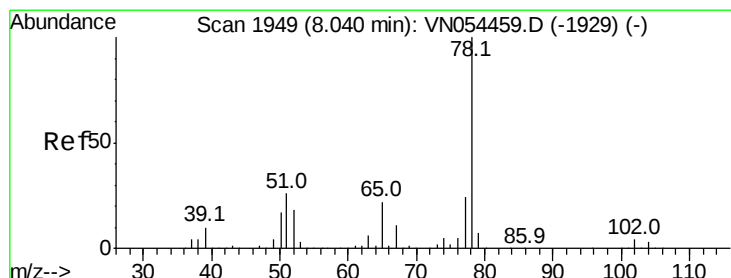
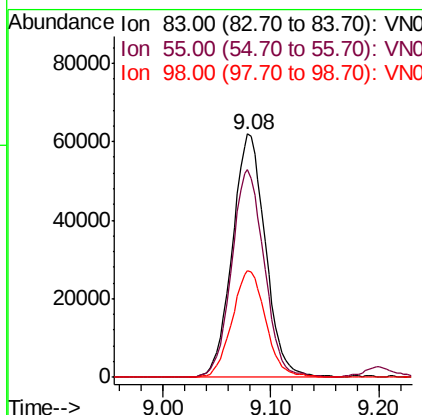
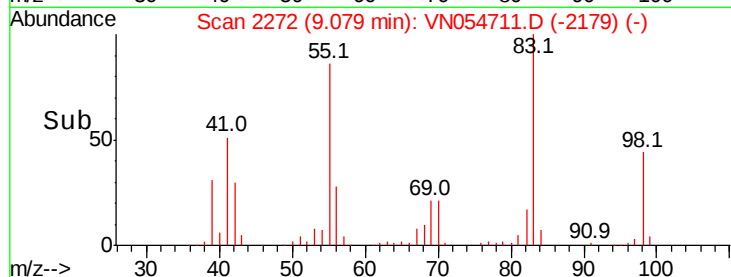
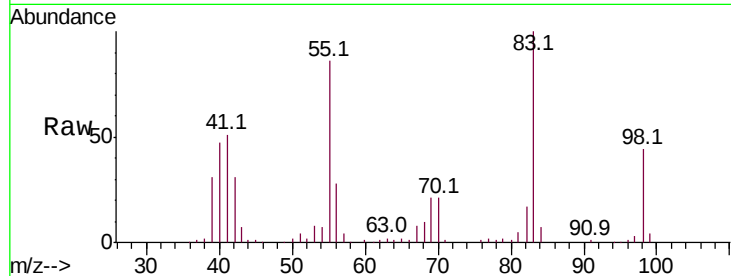
#39
Methvlcvclohexane
Concen: 19.313 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBS01

Tot Ion	83	Resp	132516
Ion Ratio	100	Lower	Upper
83	100		
55	85.6	56.6	84.8#
98	44.0	38.4	57.6

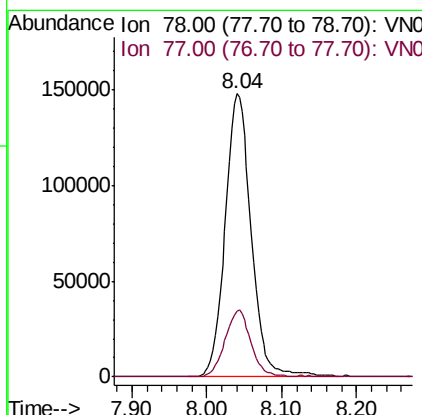
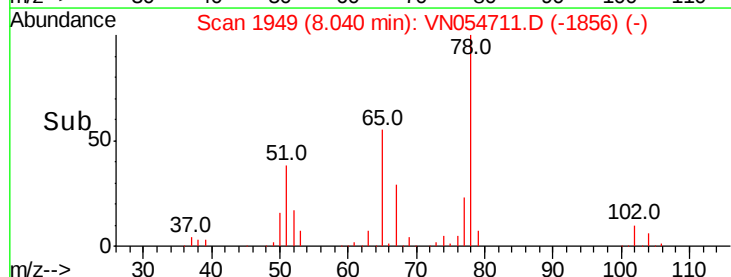
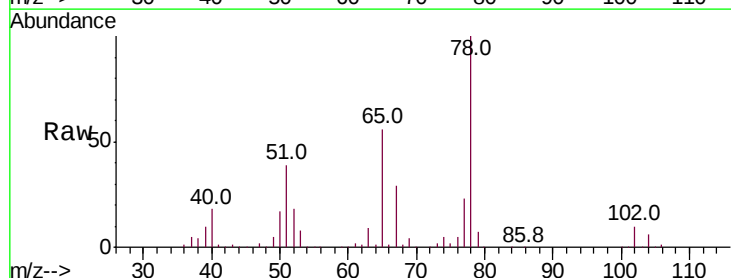
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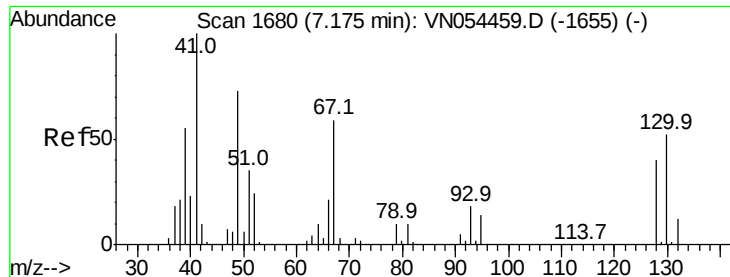
MMDadoda
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#40
Benzene
Concen: 20.771 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion	78	Resp	356278
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	19.1	28.7





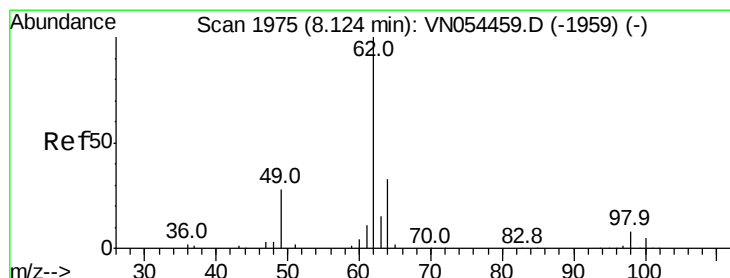
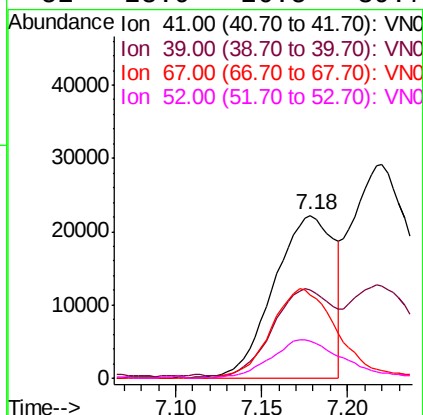
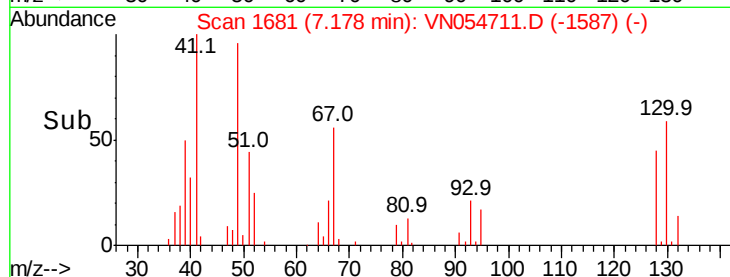
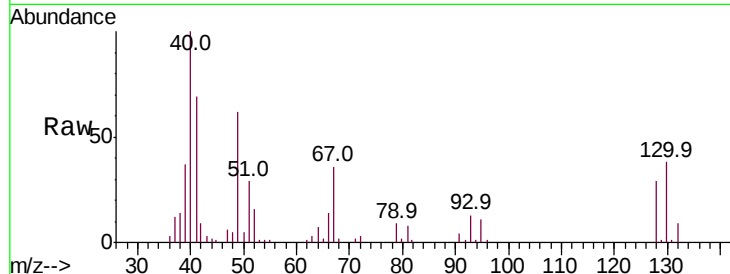
#41
Methacrylonitrile
Concen: 20.734 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.5	46.8	70.2
67	61.0	67.0	100.4
52	28.9	26.5	39.7

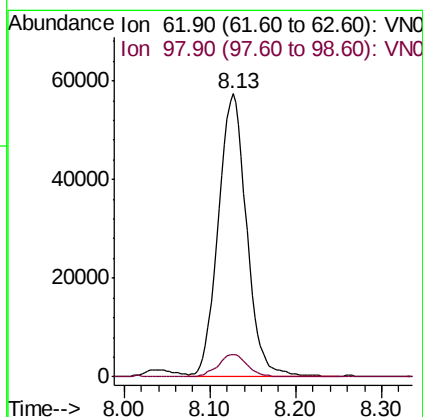
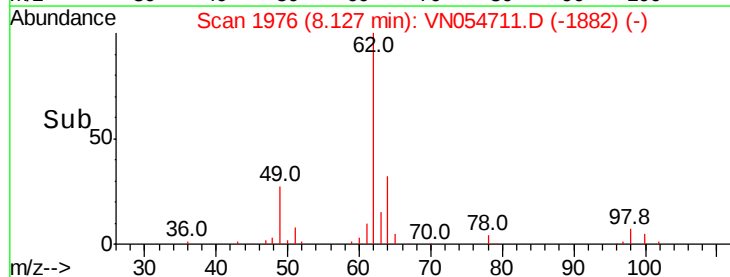
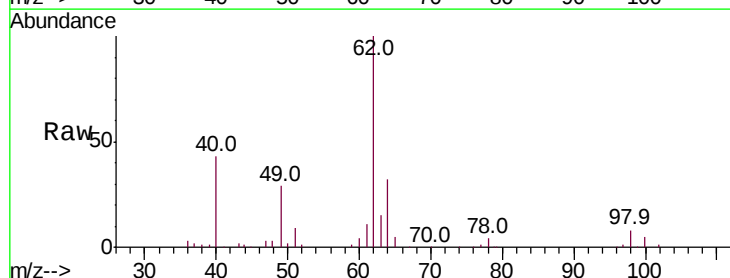
Manual Integrations
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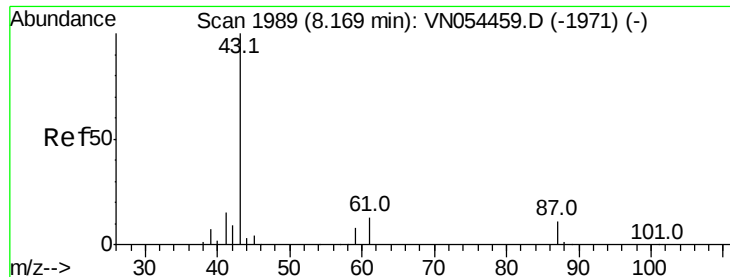
MMDadoda
3/28/2019 12:44:39 PM



#42
1,2-Dichloroethane
Concen: 21.162 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.4





#43

Isopropyl Acetate

Concen: 20.232 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

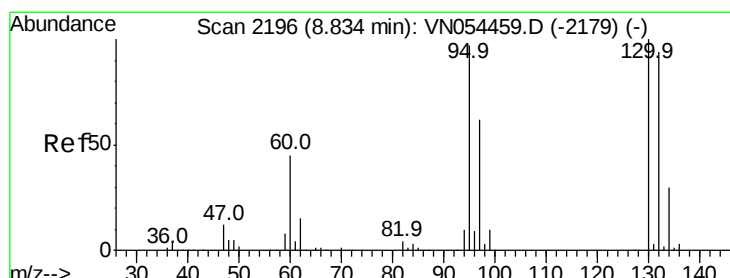
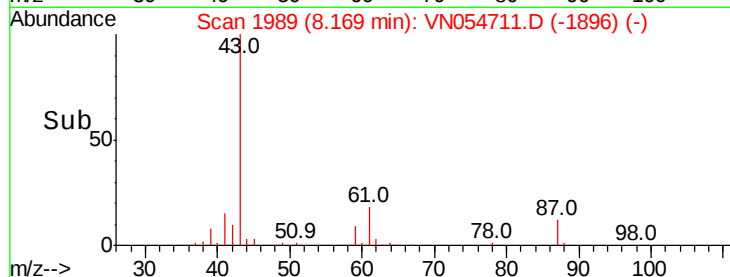
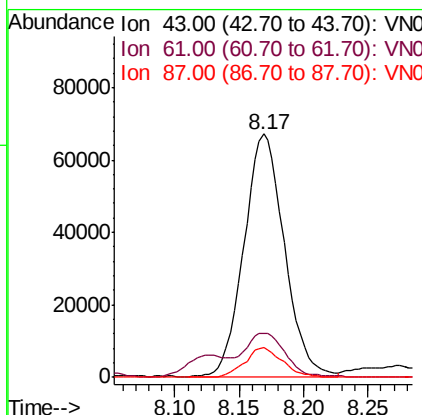
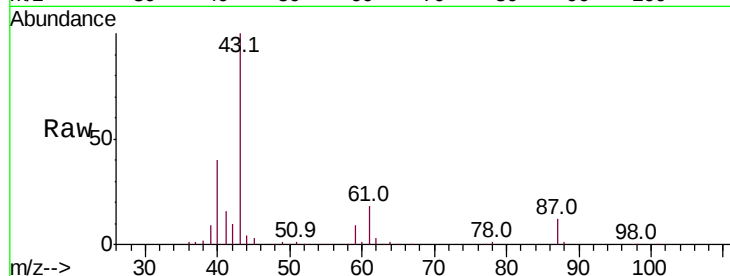
ClientSampleId :

VN0327WBS01

Tot Ion:	43	Resp:	145779
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.8	23.8
87	11.5	12.0	18.0#

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#44

Trichloroethene

Concen: 18.995 ug/l

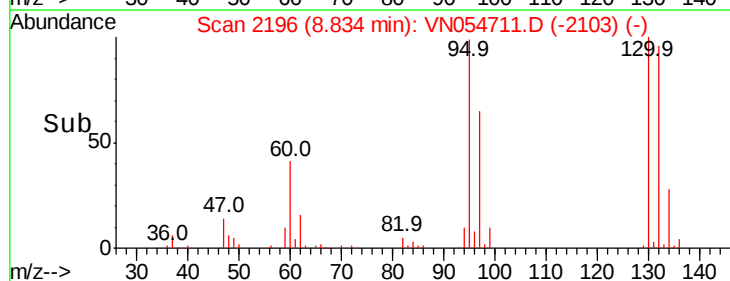
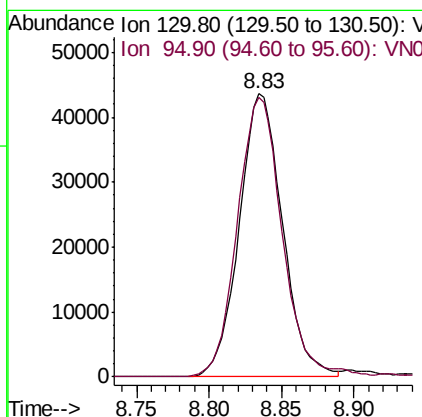
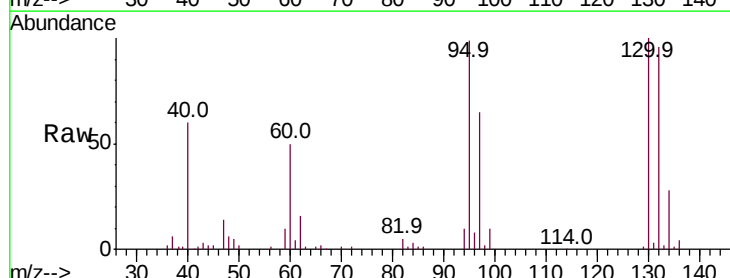
RT: 8.83 min Scan# 2196

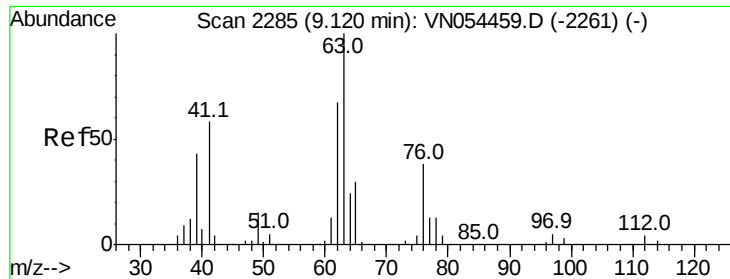
Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion:	130	Resp:	90585
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	185.2





#45

1,2-Dichloropropane

Concen: 21.896 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBS01

Tot Ion: 63 Resp: 100850

Ion Ratio Lower Upper

63 100

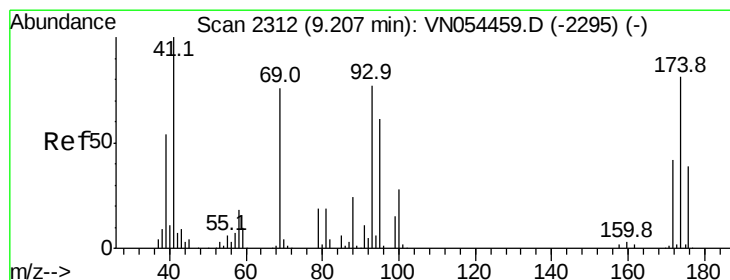
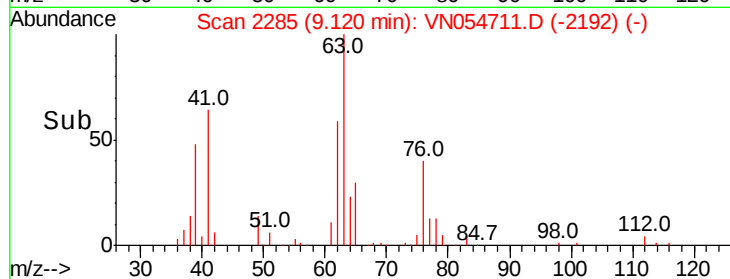
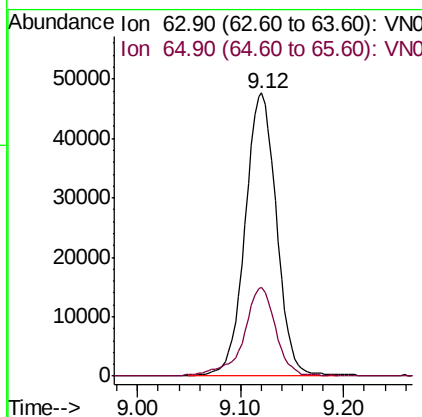
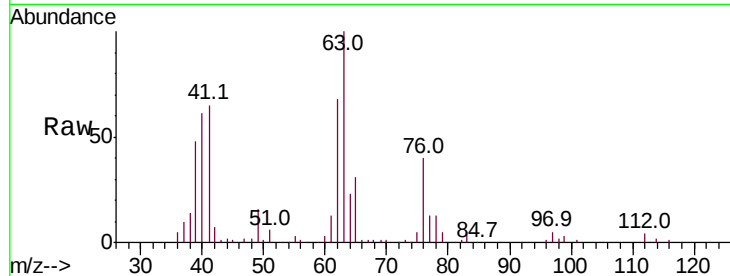
65 31.4 25.0 37.6

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#46

Dibromomethane

Concen: 20.751 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

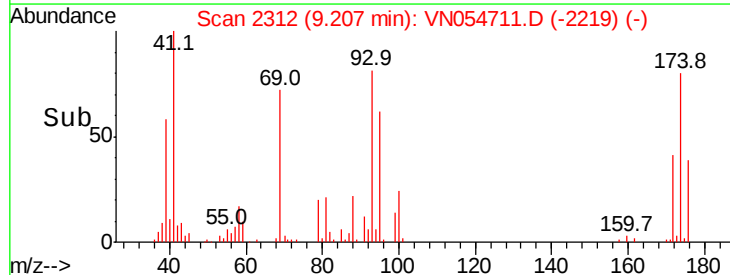
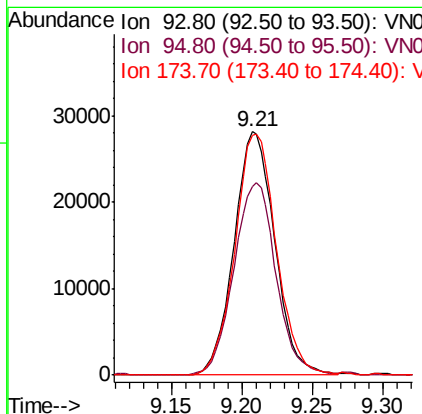
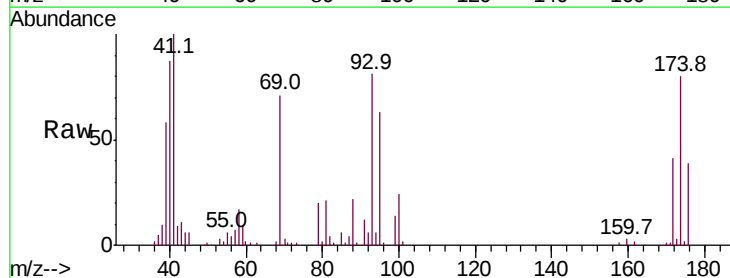
Tgt Ion: 93 Resp: 57020

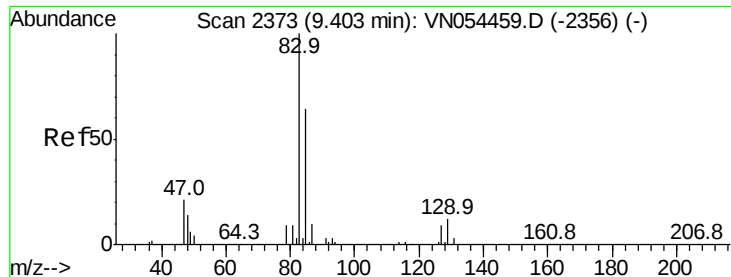
Ion Ratio Lower Upper

93 100

95 81.6 66.7 100.1

174 101.0 98.5 147.7





#47

Bromodichloromethane

Concen: 21.132 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

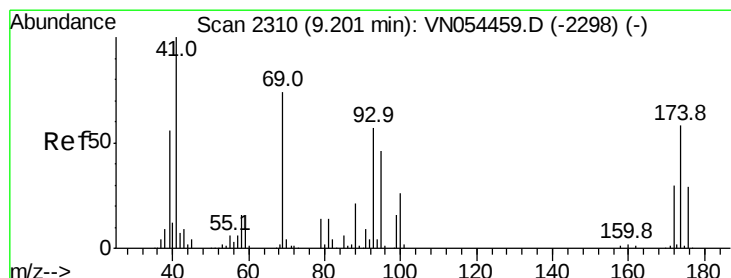
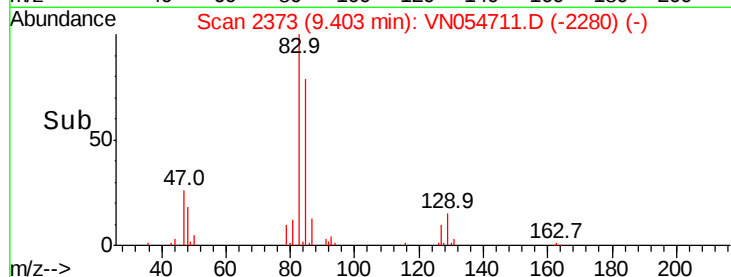
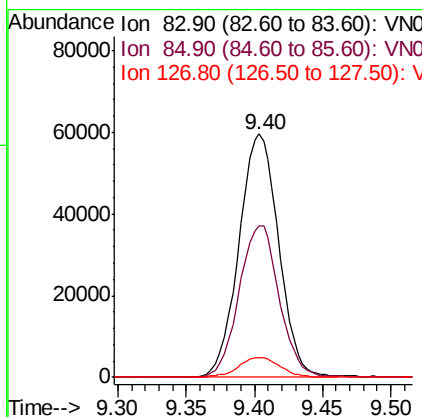
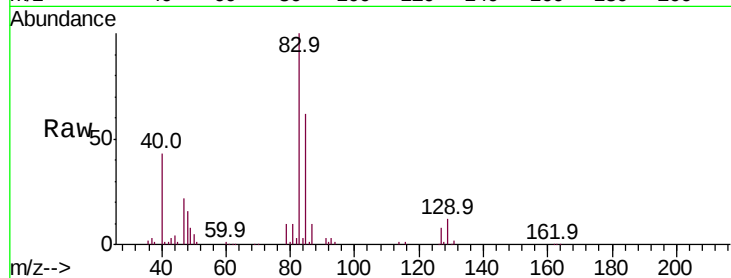
ClientSampleId :

VN0327WBS01

Tot Ion:	83	Resp:	120506
Ion Ratio	Lower	Upper	
83	100		
85	62.4	52.8	79.2
127	8.0	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.285 ug/l

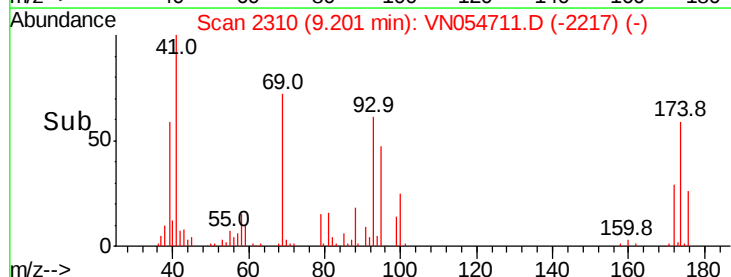
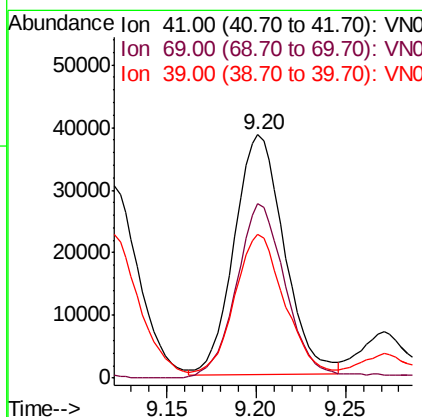
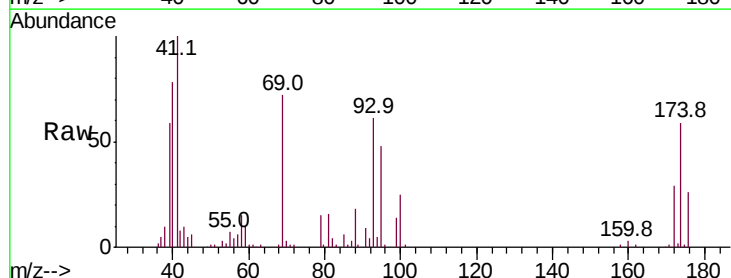
RT: 9.20 min Scan# 2310

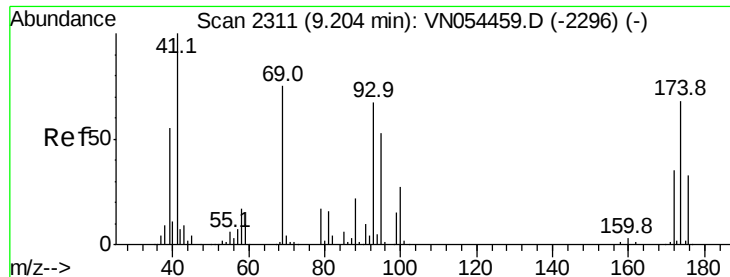
Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion:	41	Resp:	75419
Ion Ratio	Lower	Upper	
41	100		
69	70.9	72.6	108.8#
39	57.6	47.5	71.3





#49

1,4-Dioxane

Concen: 369.422 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBS01

Tot Ion: 88 Resp: 16151

Ion Ratio Lower Upper

88 100

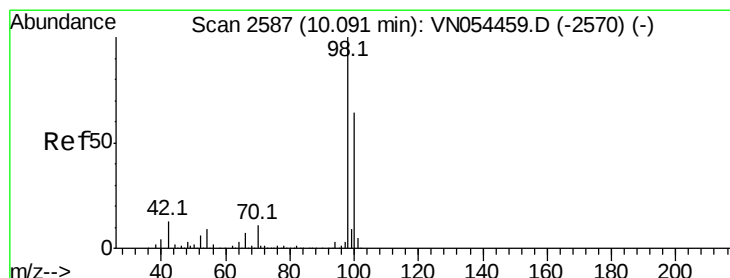
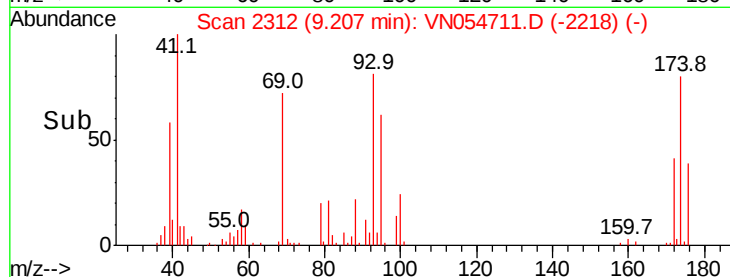
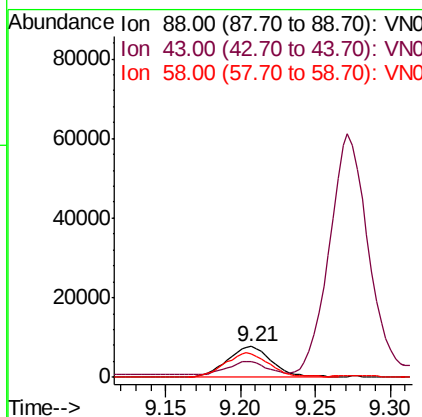
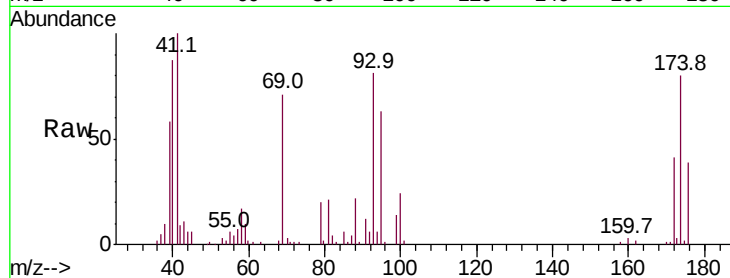
43 36.9 24.1 36.1#

58 79.2 50.8 76.2#

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#50

Toluene-d8

Concen: 48.985 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054711.D

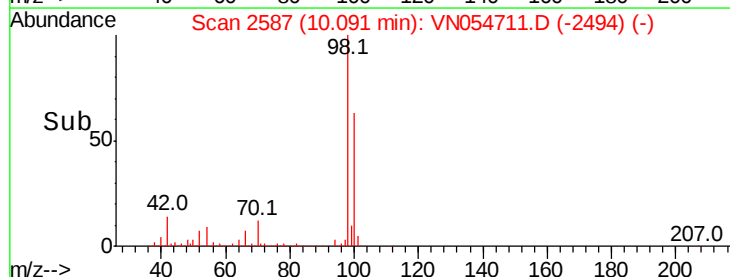
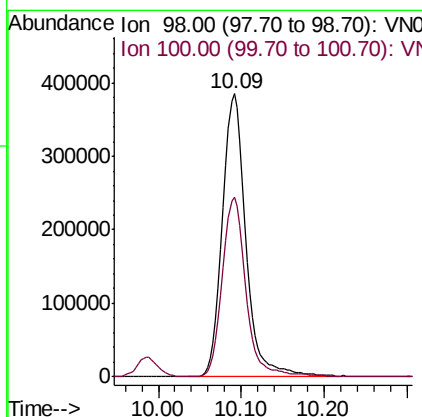
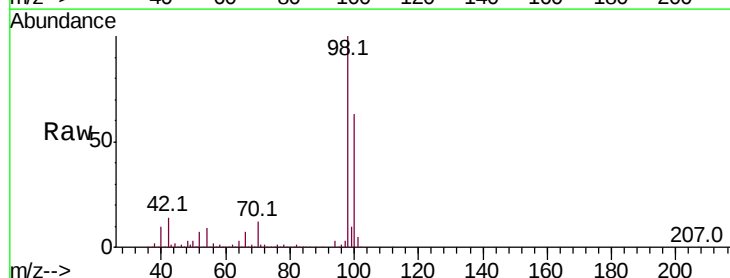
Acq: 27 Mar 2019 10:27

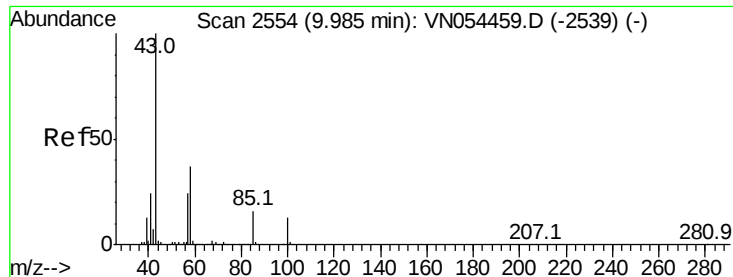
Tgt Ion: 98 Resp: 761133

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 104.036 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampled :

VN0327WBS01

Tot Ion: 43 Resp: 415431

Ion Ratio Lower Upper

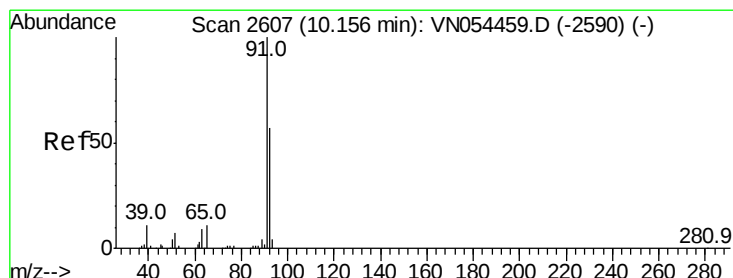
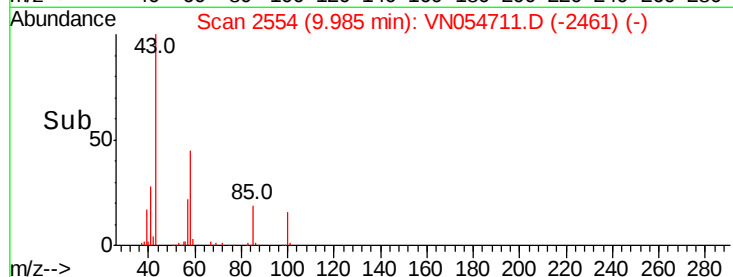
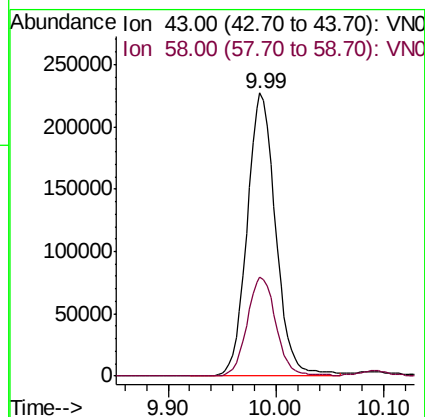
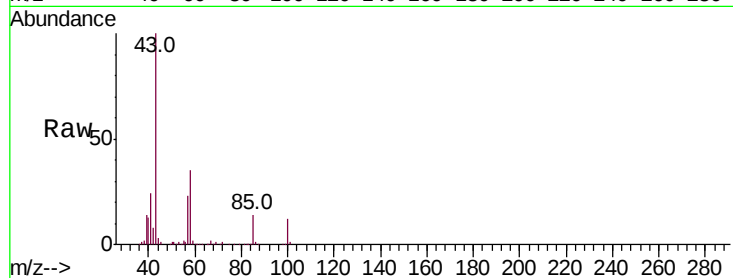
43 100

58 35.5 31.8 47.6

Manual Integrations
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#52

Toluene

Concen: 20.341 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054711.D

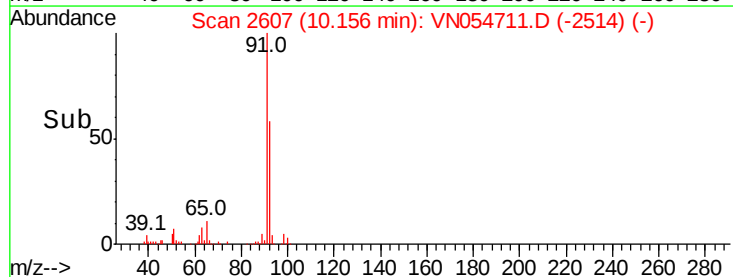
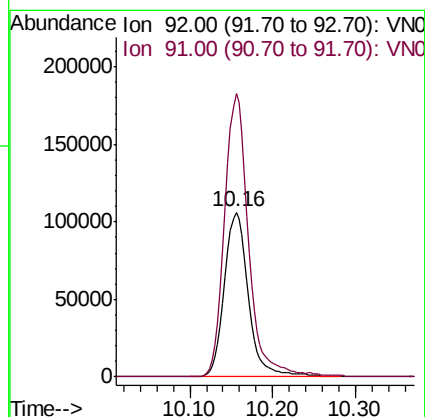
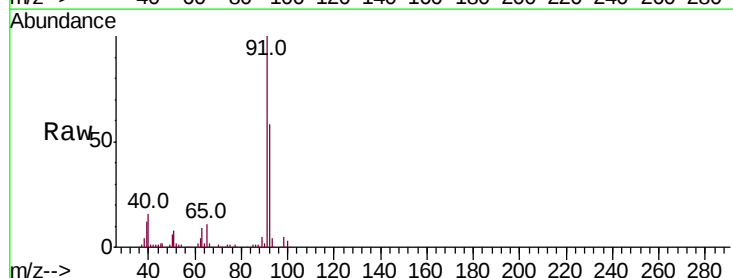
Acq: 27 Mar 2019 10:27

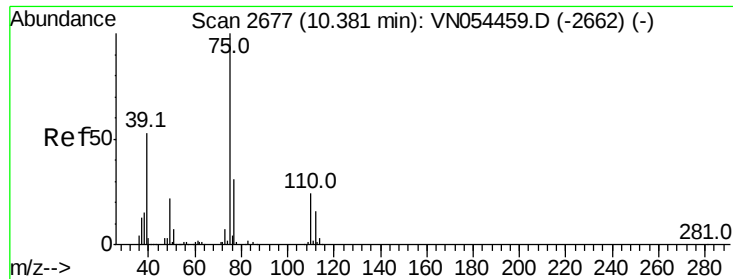
Tgt Ion: 92 Resp: 214595

Ion Ratio Lower Upper

92 100

91 170.0 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.830 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

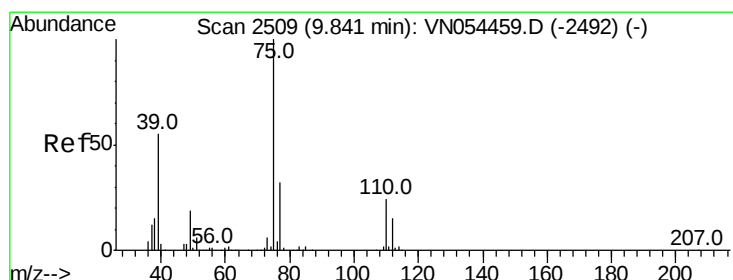
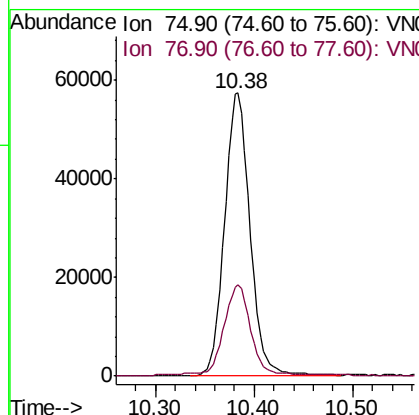
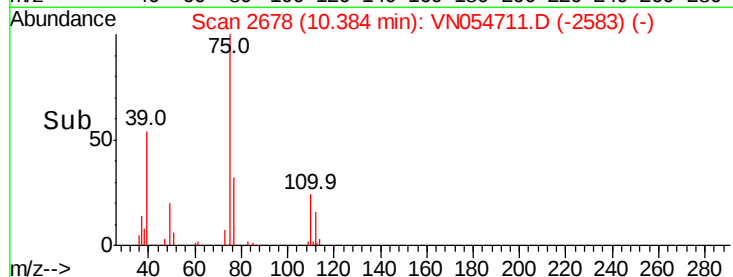
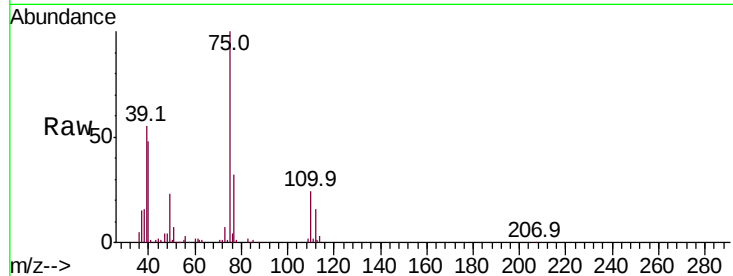
Instrument :
MSVOA_N
ClientSampleId :
VN0327WBS01

Tot Ion: 75 Resp: 104513

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.767 ug/l

RT: 9.84 min Scan# 2509

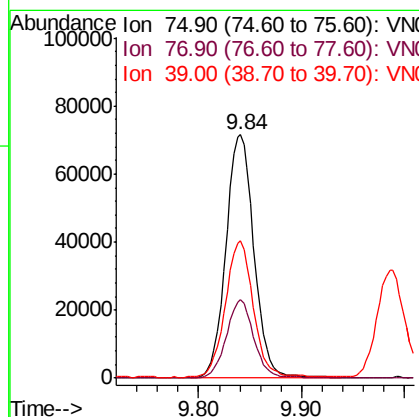
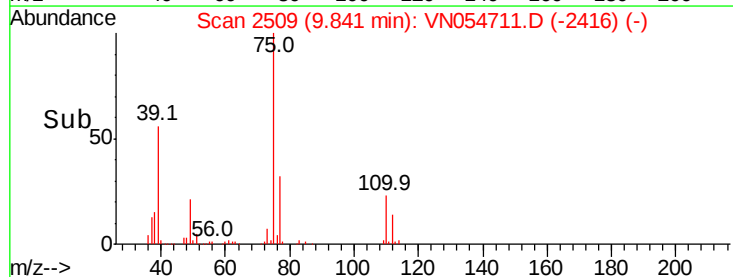
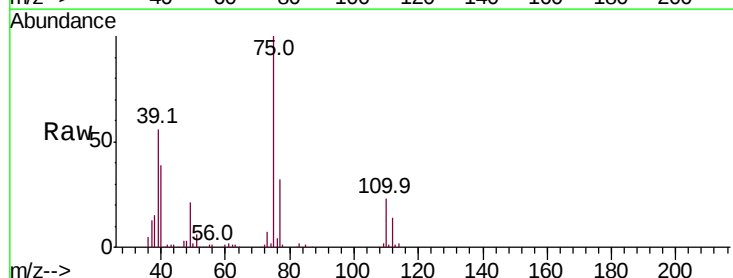
Delta R.T. -0.00 min

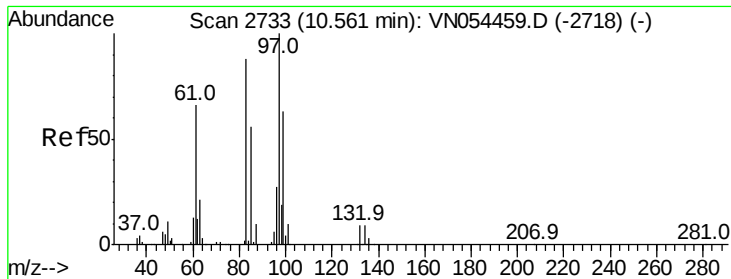
Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion: 75 Resp: 135786

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0
39	55.7	37.2	55.8





#55

1,1,2-Trichloroethane

Concen: 20.516 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

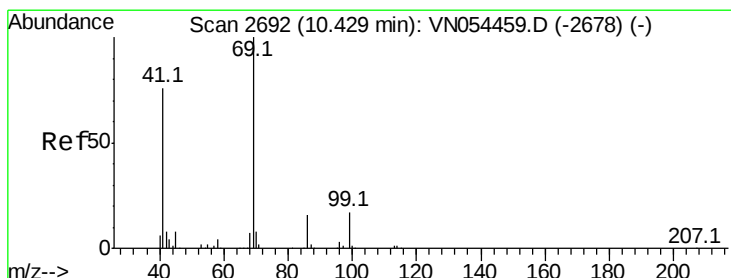
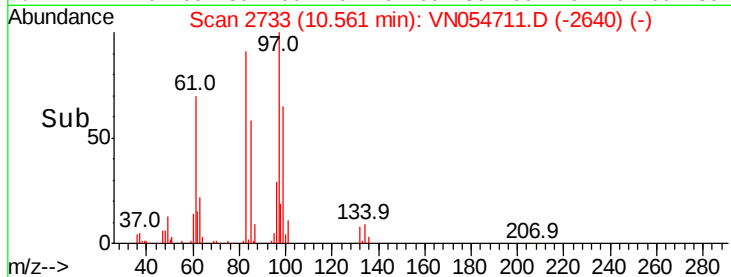
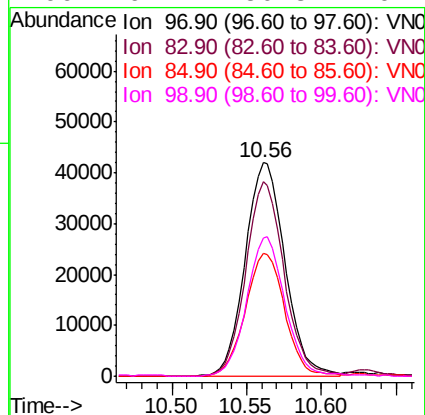
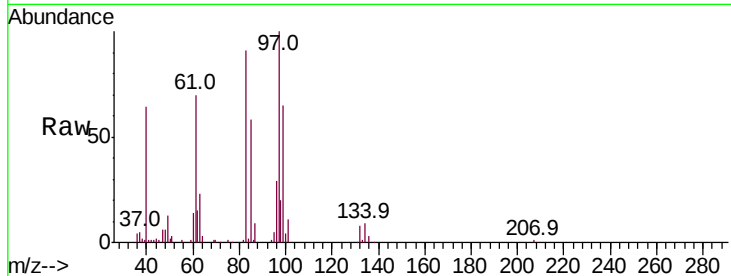
ClientSampleId :

VN0327WBS01

Tot Ion:	97	Resp:	77803
Ion	Ratio	Lower	Upper
97	100		
83	91.0	66.6	100.0
85	57.6	44.4	66.6
99	64.7	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.971 ug/l

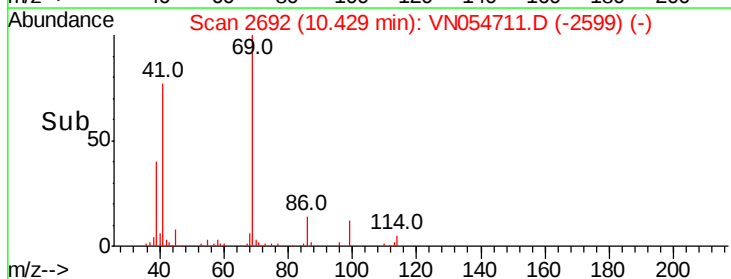
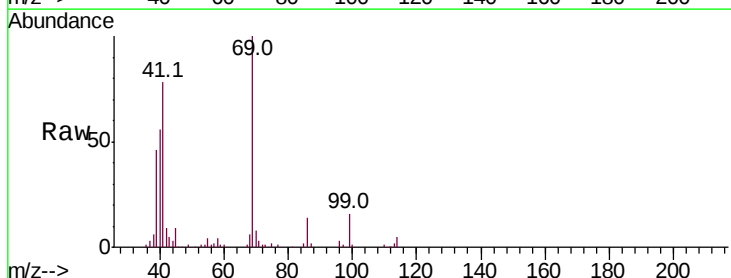
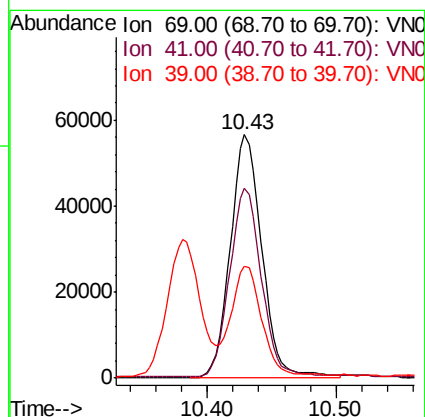
RT: 10.43 min Scan# 2692

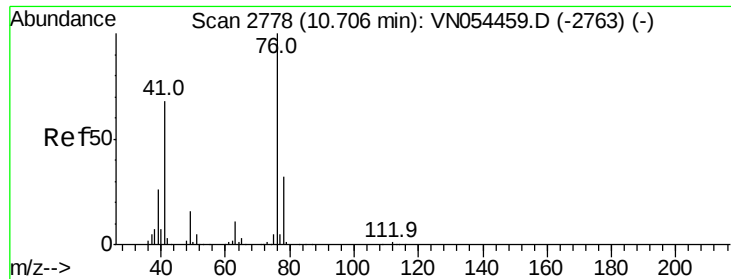
Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion:	69	Resp:	96564
Ion	Ratio	Lower	Upper
69	100		
41	77.0	49.4	74.2#
39	42.7	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 20.473 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBS01

Tot Ion: 76 Resp: 134959

Ion Ratio Lower Upper

76 100

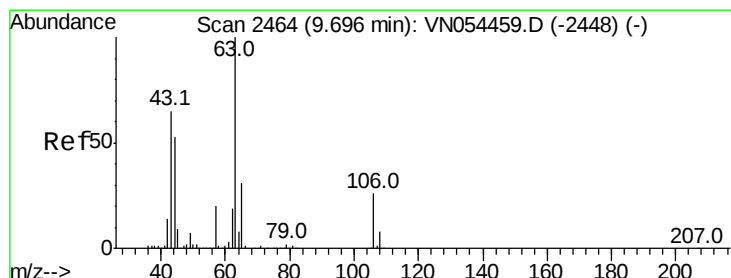
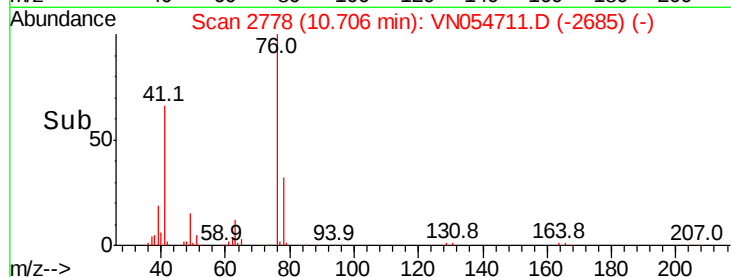
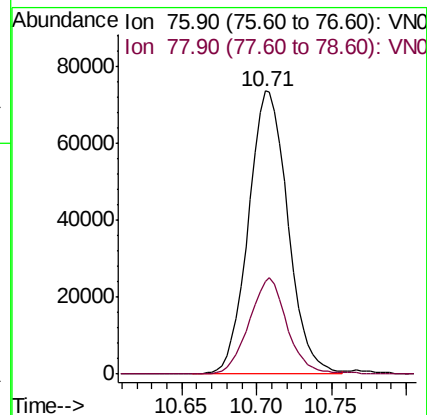
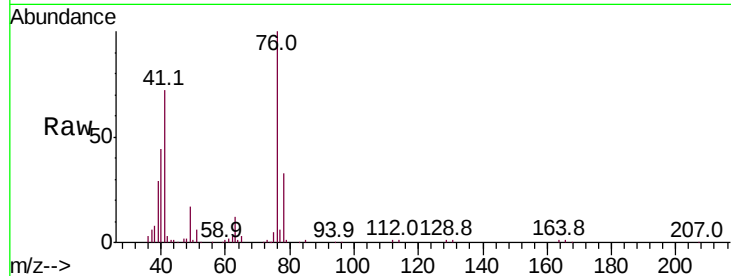
78 32.8 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 83.161 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054711.D

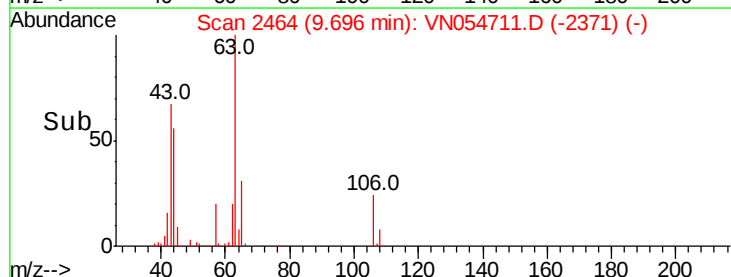
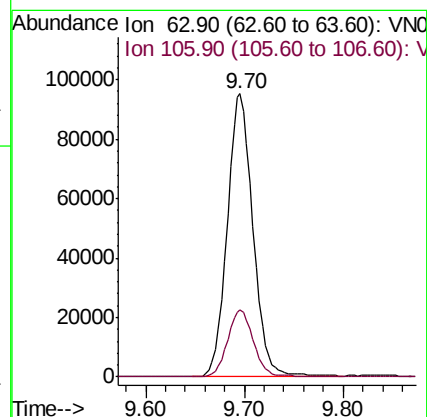
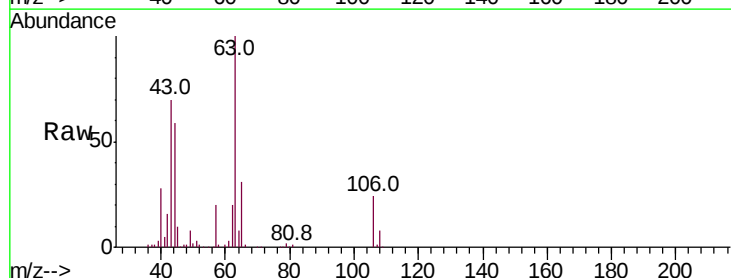
Acq: 27 Mar 2019 10:27

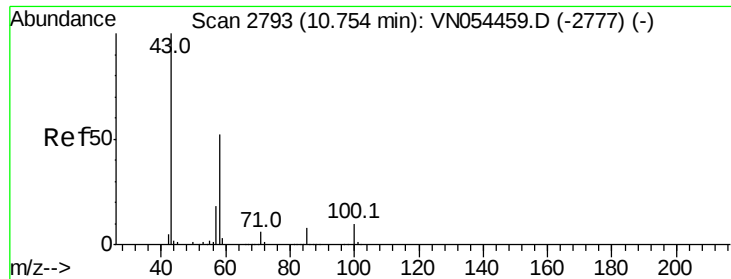
Tgt Ion: 63 Resp: 174303

Ion Ratio Lower Upper

63 100

106 23.7 24.4 36.6#





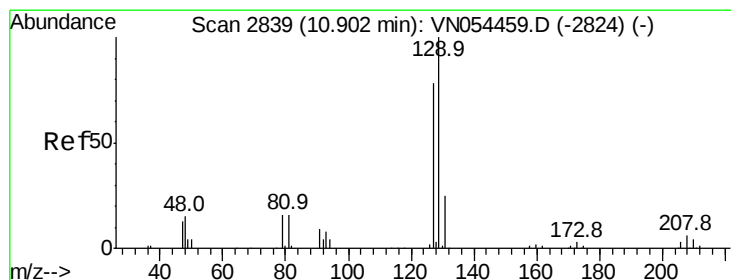
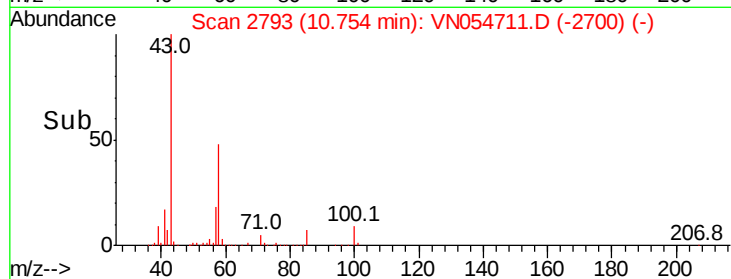
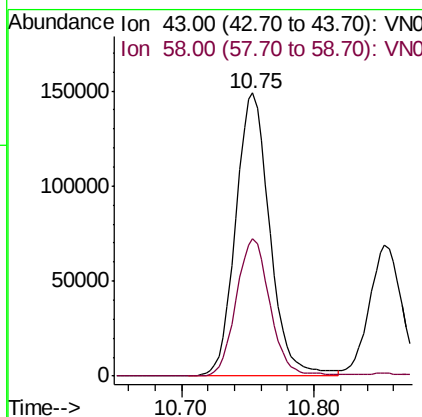
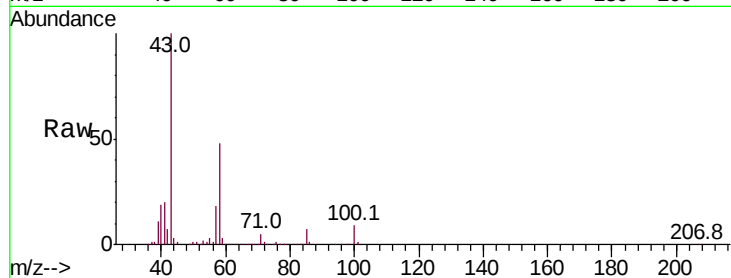
#59
2-Hexanone
Concen: 100.935 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBS01

Tot Ion: 43 Resp: 263267
Ion Ratio Lower Upper
43 100
58 48.9 28.0 83.9

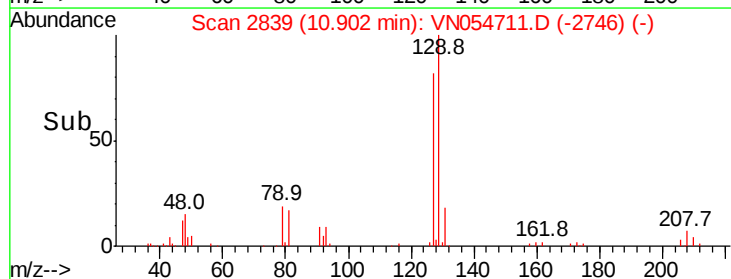
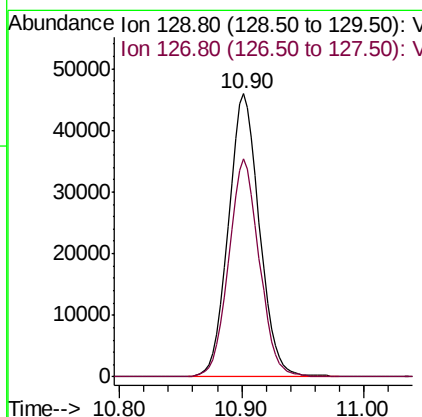
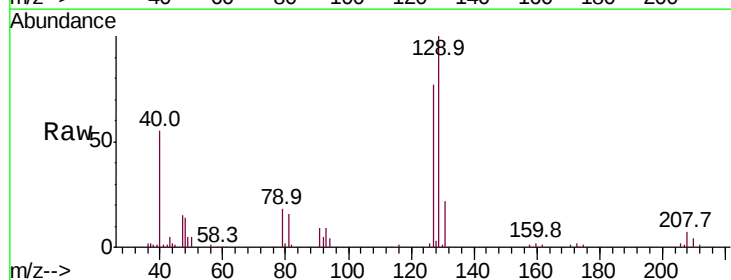
Manual Integrations
APPROVED

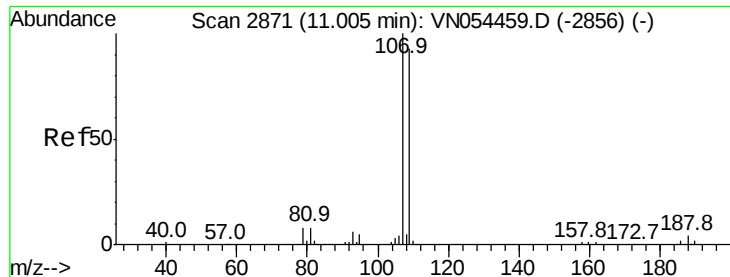
MMDadoda
3/28/2019 12:44:39 PM



#60
Dibromochloromethane
Concen: 20.165 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 129 Resp: 81371
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.431 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBS01

Tot Ion:107 Resp: 72850

Ion Ratio Lower Upper

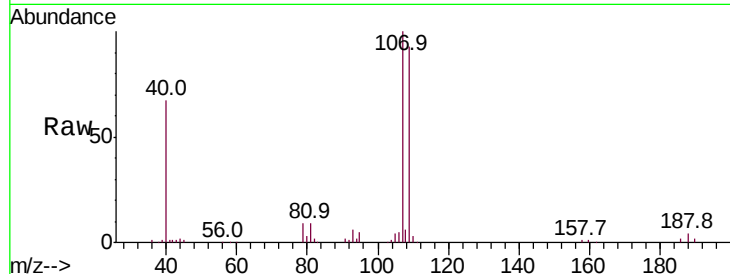
107 100

109 95.5 75.9 113.9

Manual Integrations
APPROVED

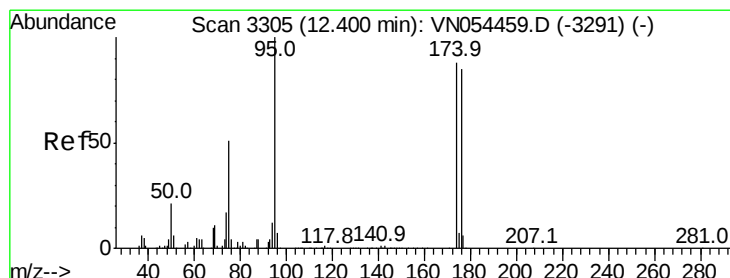
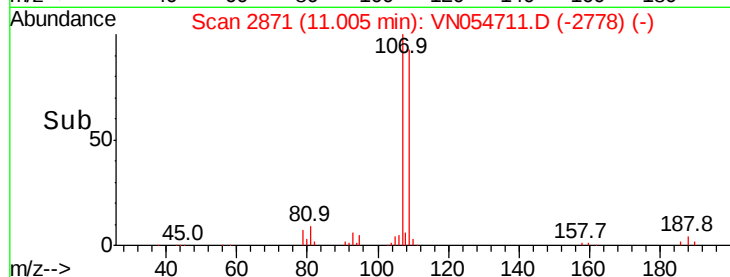
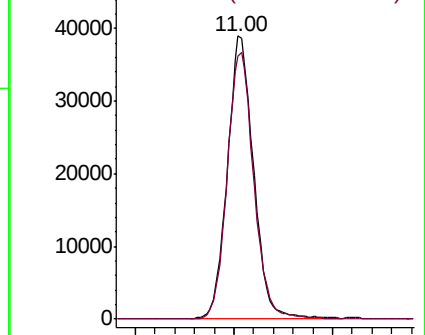
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.429 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

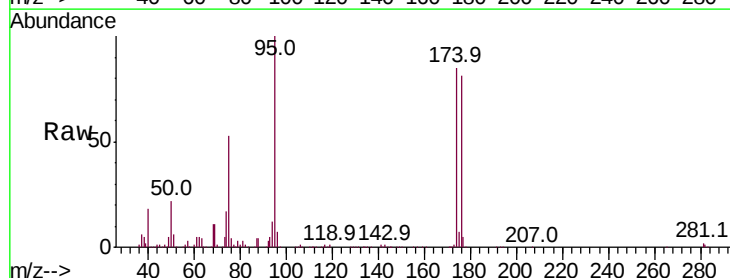
Tgt Ion: 95 Resp: 256062

Ion Ratio Lower Upper

95 100

174 85.1 0.0 191.0

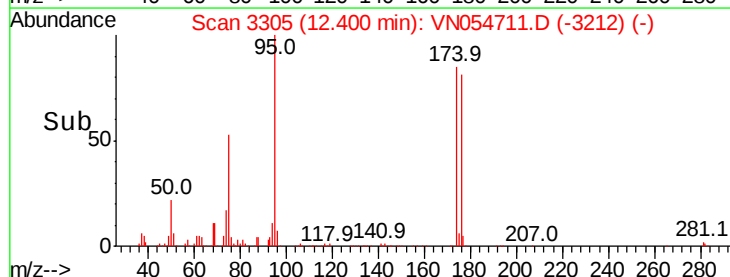
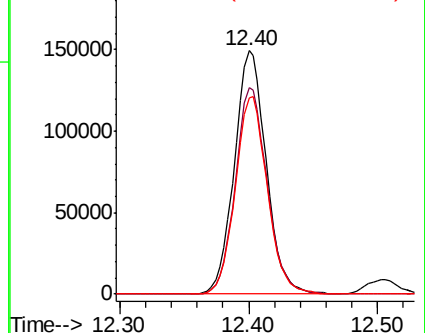
176 81.7 0.0 187.4

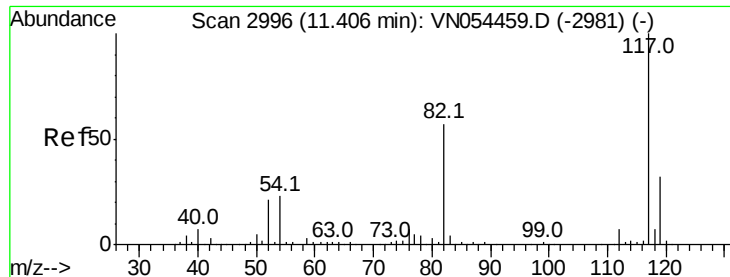


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





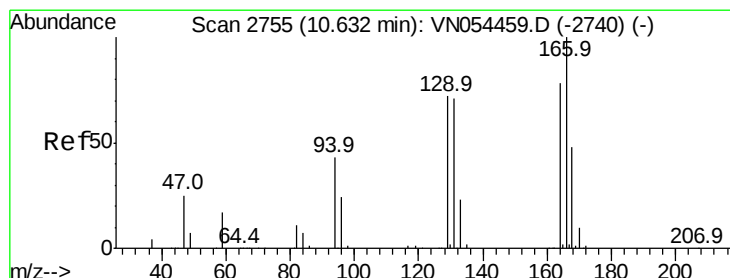
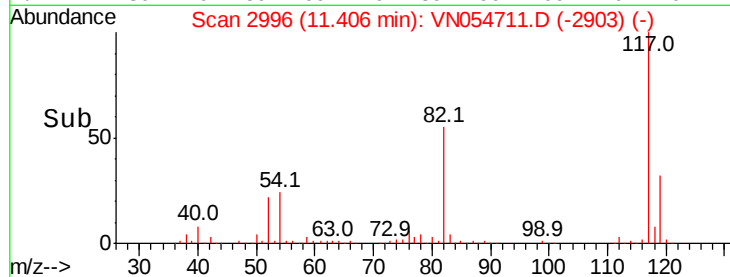
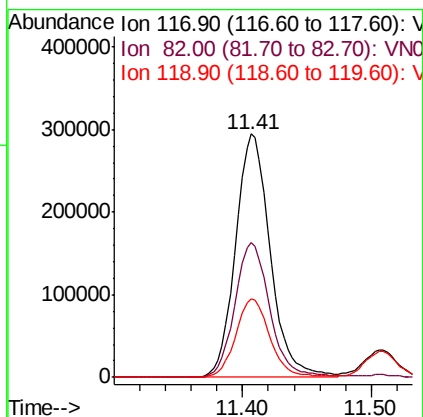
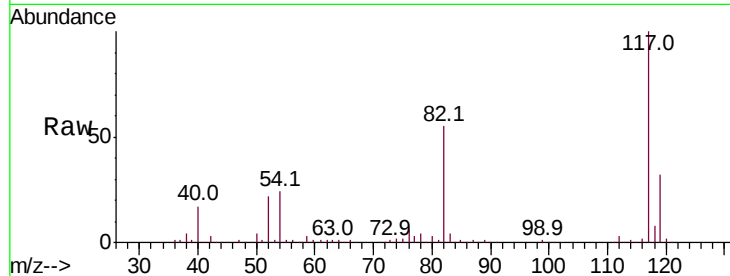
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	40.0	60.0
119	32.3	25.8	38.6

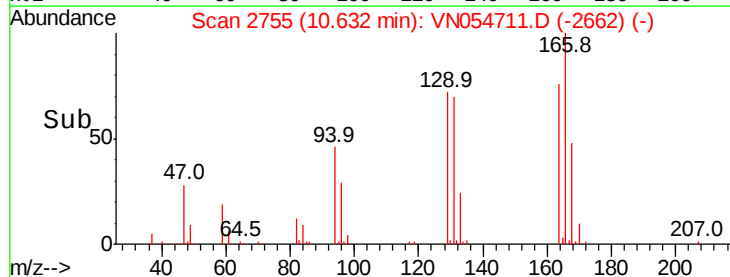
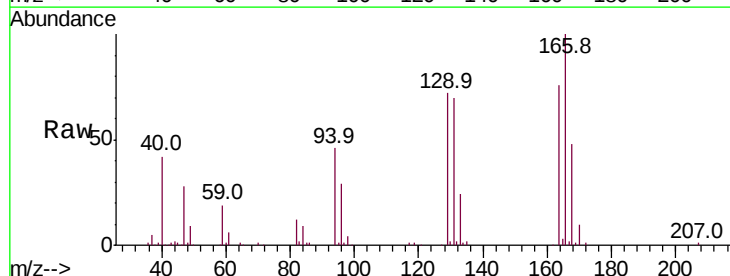
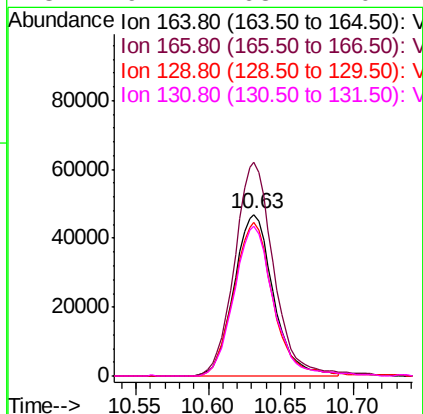
Manual Integrations
APPROVED

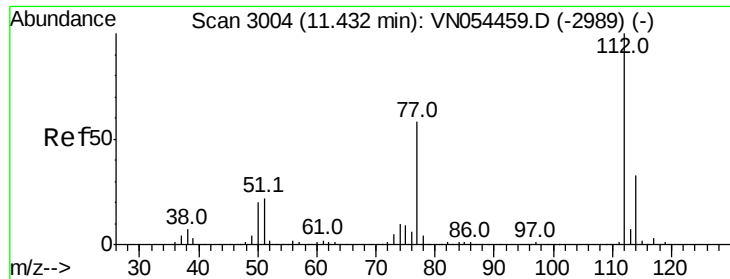
MMDadoda
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#64
Tetrachloroethene
Concen: 19.406 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	103.9	155.9
129	94.7	71.1	106.7
131	92.4	68.2	102.4





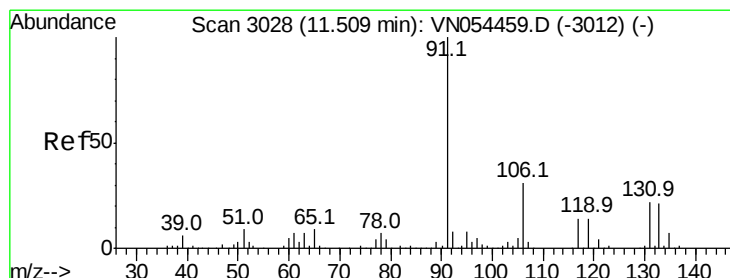
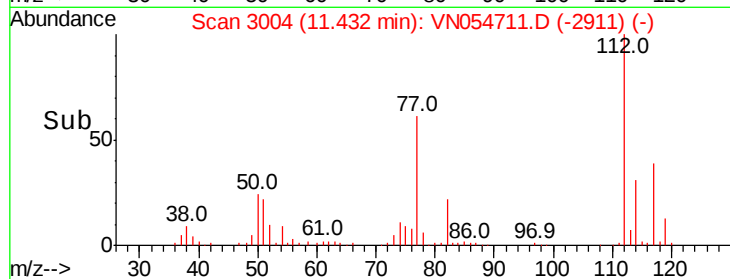
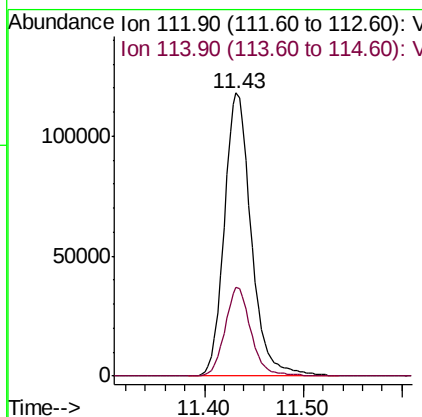
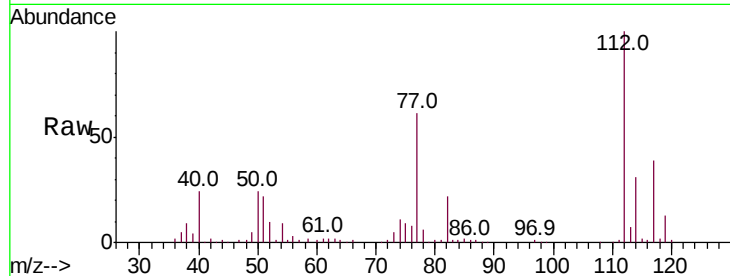
#65
Chlorobenzene
Concen: 20.178 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampled :
VN0327WBS01

Tot Ion:112 Resp: 226448
Ion Ratio Lower Upper
112 100
114 31.2 25.9 38.9

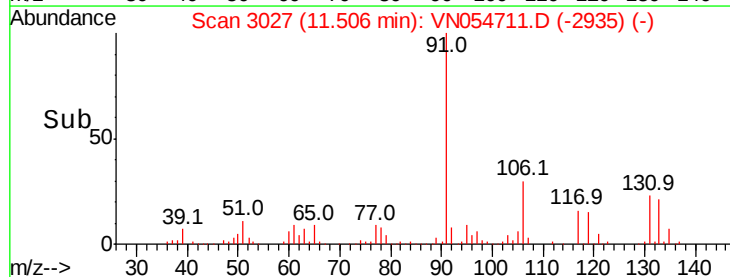
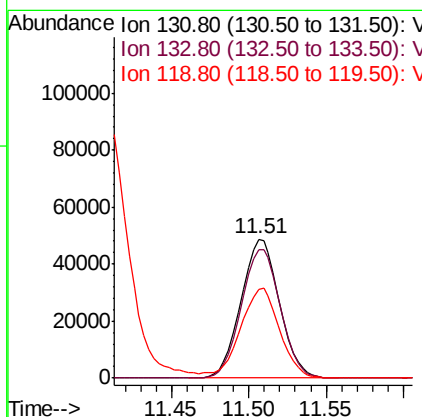
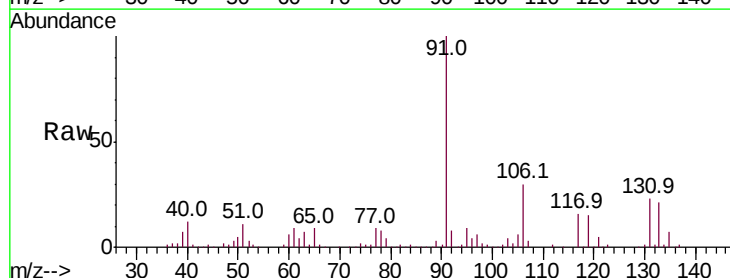
Manual Integrations
APPROVED

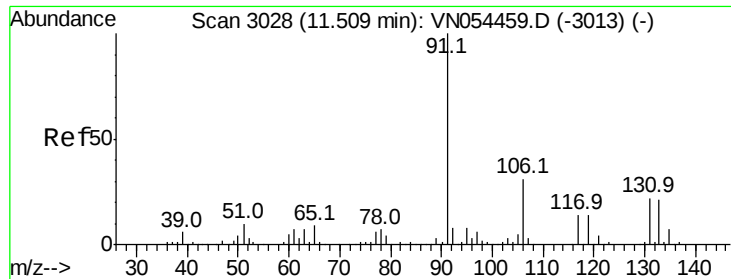
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.906 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion:131 Resp: 84213
Ion Ratio Lower Upper
131 100
133 94.2 47.6 142.9
119 66.0 32.4 97.0





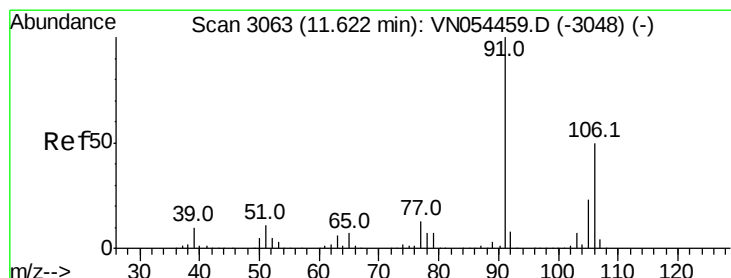
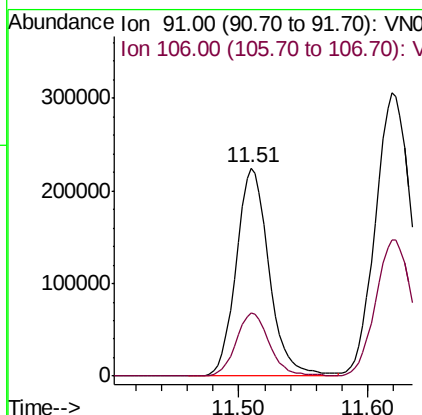
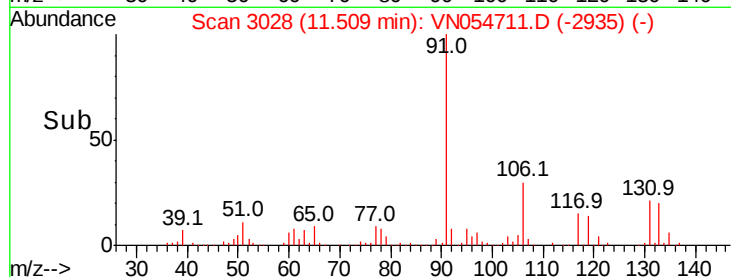
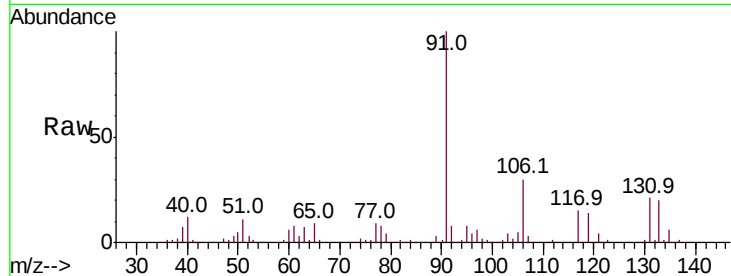
#67
Ethyl Benzene
Concen: 20.079 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampled :
VN0327WBS01

Tot Ion: 91 Resp: 398046
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3

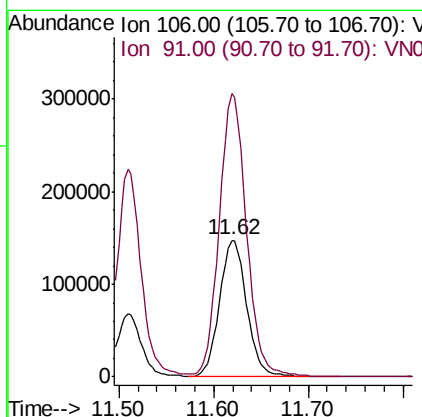
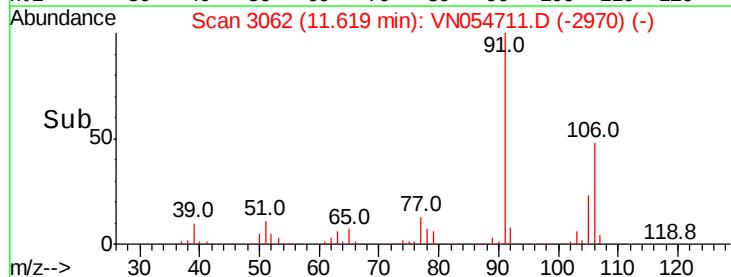
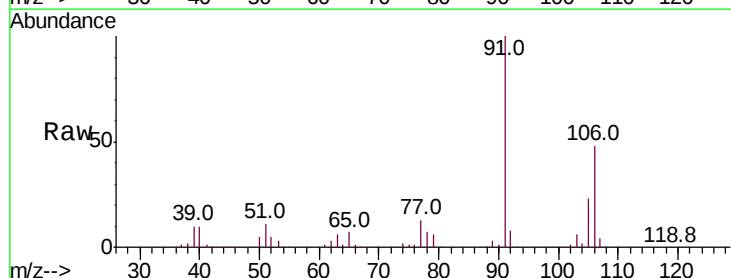
Manual Integrations
APPROVED

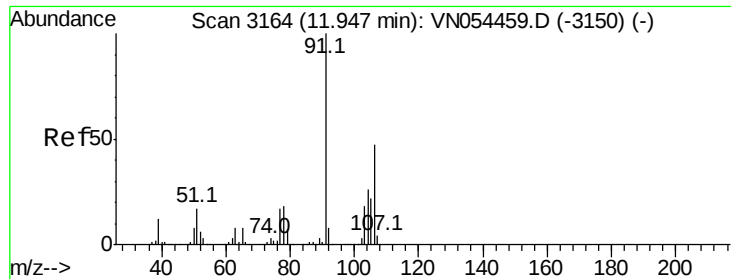
MMDadoda
3/28/2019 12:44:39 PM



#68
m/p-Xylenes
Concen: 39.434 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion: 106 Resp: 296105
Ion Ratio Lower Upper
106 100
91 206.6 159.4 239.2





#69

o-Xylene

Concen: 19.446 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBS01

Tot Ion:106 Resp: 142601

Ion Ratio Lower Upper

106 100

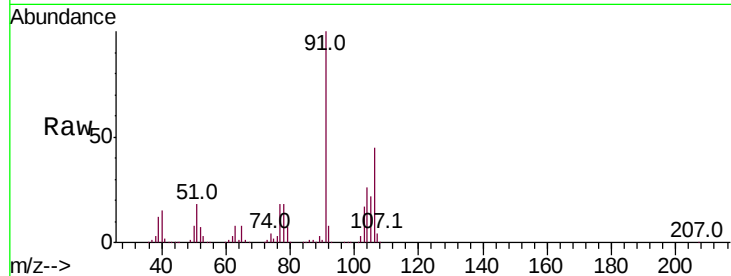
91 221.4 105.7 317.1

Manual Integrations

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3/28/2019 12:44:39 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

200000

150000

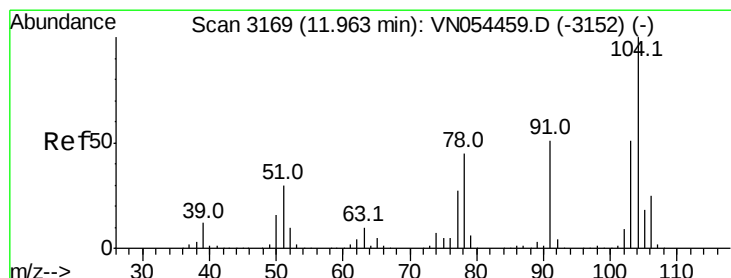
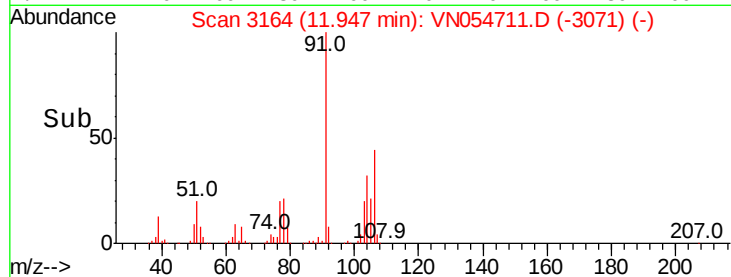
100000

50000

0

11.95

Time-->



#70

Styrene

Concen: 19.952 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

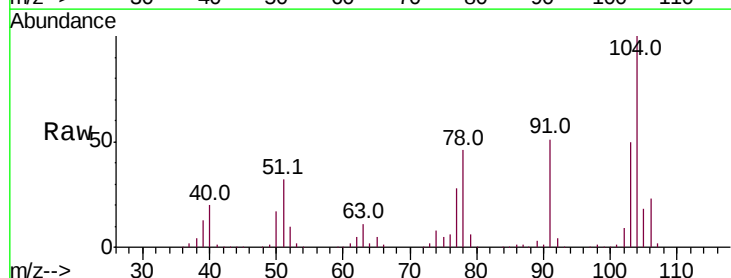
Tgt Ion:104 Resp: 237601

Ion Ratio Lower Upper

104 100

78 51.6 38.2 57.2

103 55.1 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

150000

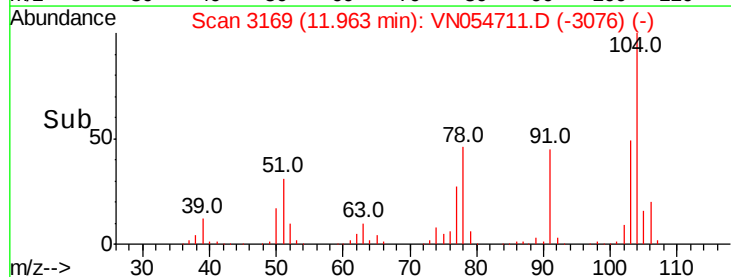
100000

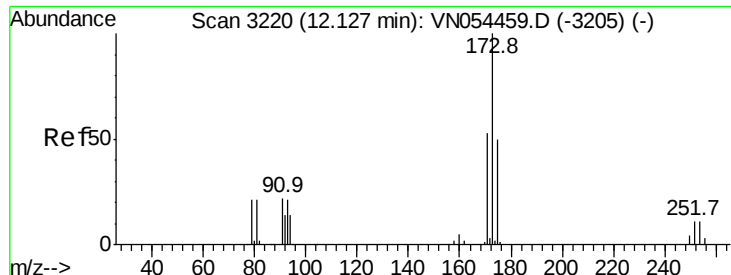
50000

0

11.96

Time-->





#71

Bromoform

Concen: 18.414 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBS01

Tot Ion:173 Resp: 47061

Ion Ratio Lower Upper

173 100

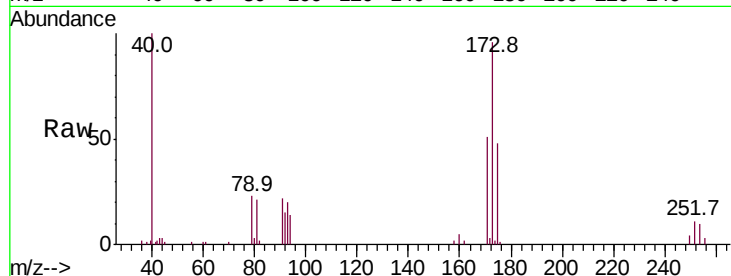
175 49.0 24.4 73.2

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

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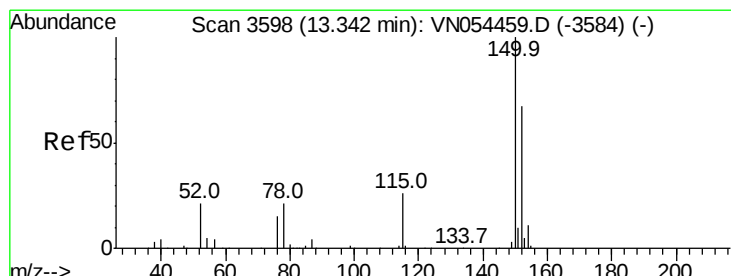
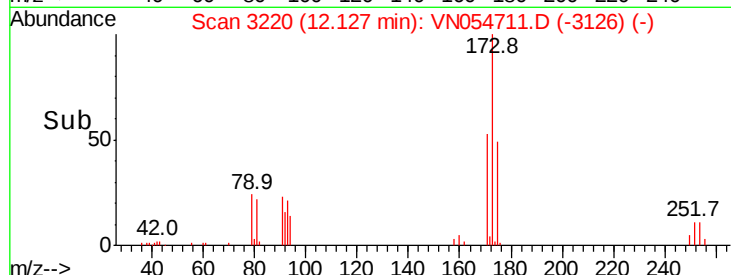
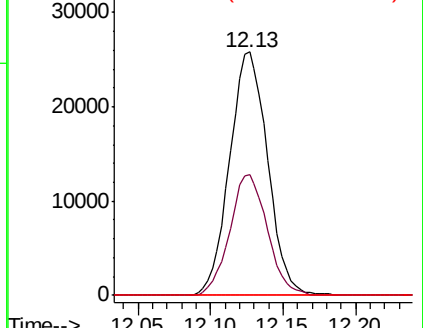
3/28/2019 12:44:39 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

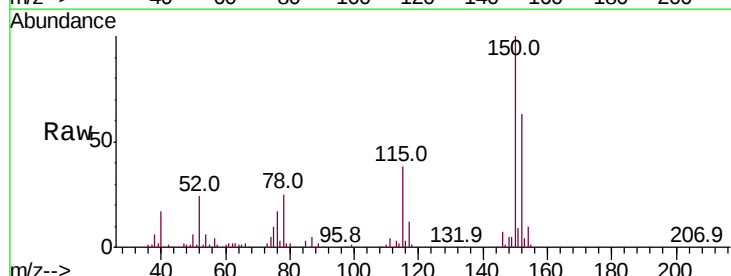
Tgt Ion:152 Resp: 236010

Ion Ratio Lower Upper

152 100

115 58.9 27.2 81.6

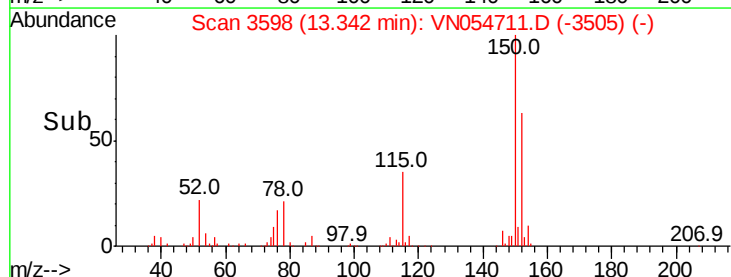
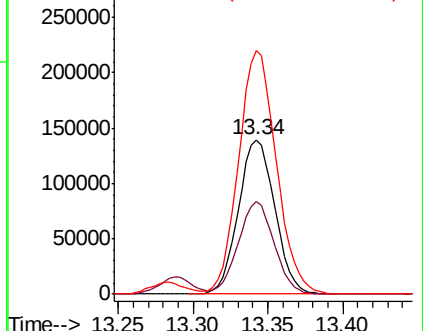
150 163.9 0.0 349.2

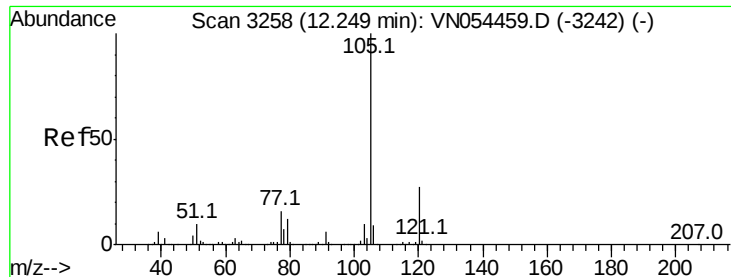


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.167 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBS01

Tot Ion:105 Resp: 383538

Ion Ratio Lower Upper

105 100

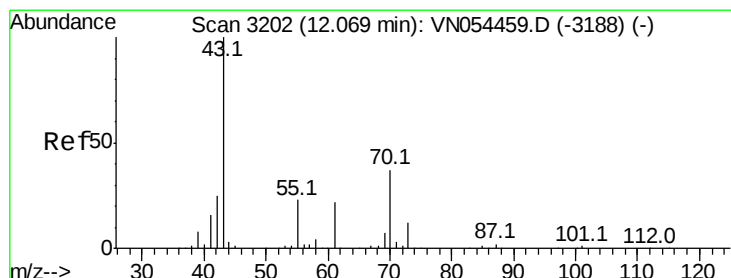
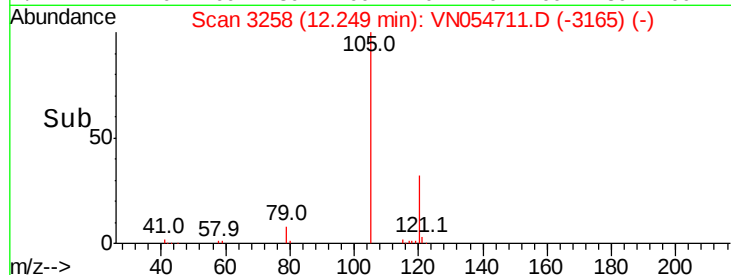
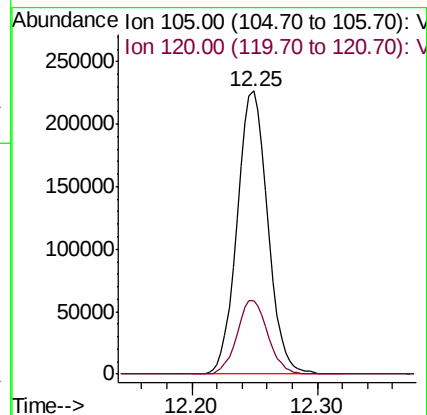
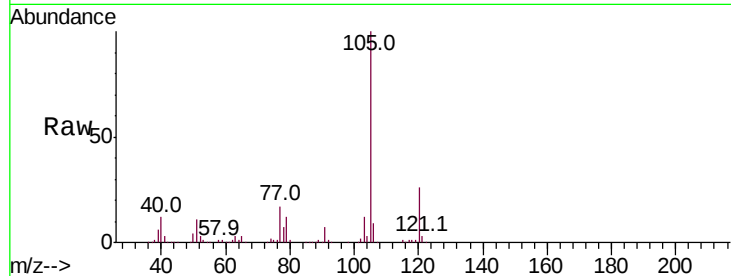
120 26.3 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.594 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion: 43 Resp: 112616

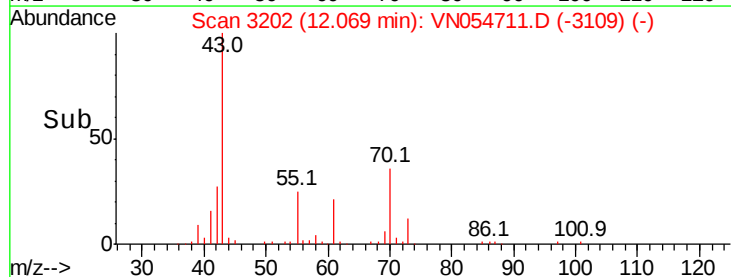
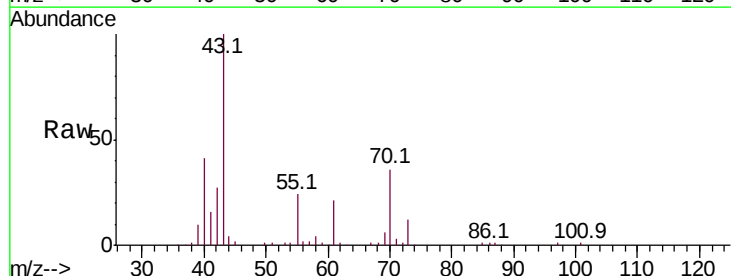
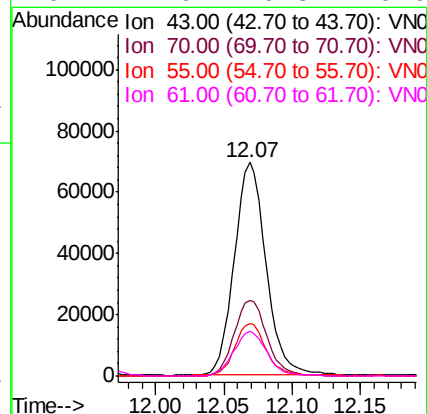
Ion Ratio Lower Upper

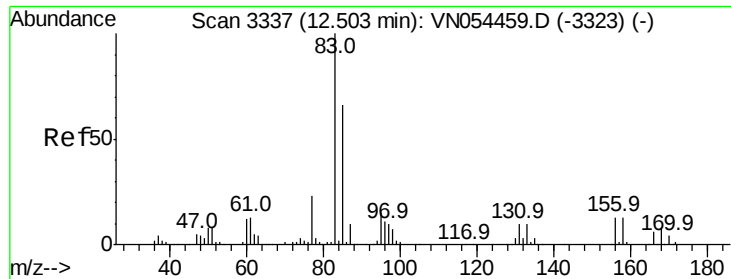
43 100

70 36.6 35.4 53.0

55 24.7 19.8 29.6

61 21.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.931 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

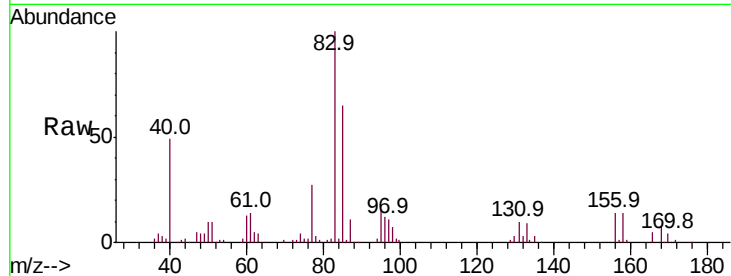
ClientSampleId :

VN0327WBS01

Tot Ion:	83	Resp:	90868
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.8	17.4
85	66.2	32.2	96.6

Manual Integrations
APPROVED

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3/28/2019 12:44:39 PM

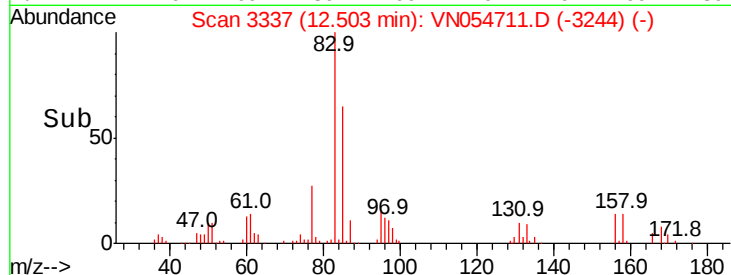


Abundance Ion 82.90 (82.60 to 83.60): VN054711.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN054711.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN054711.D (-3337) (-)

Time-->

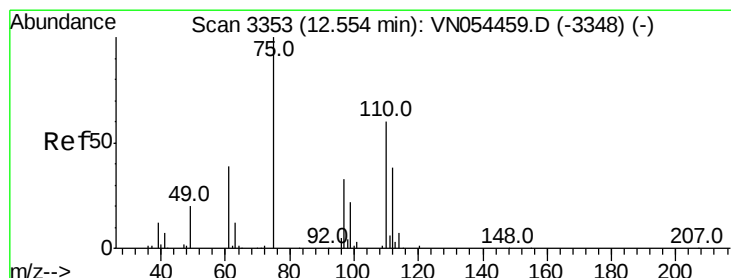


Abundance Ion 82.90 (82.60 to 83.60): VN054711.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN054711.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN054711.D (-3337) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.879 ug/l m

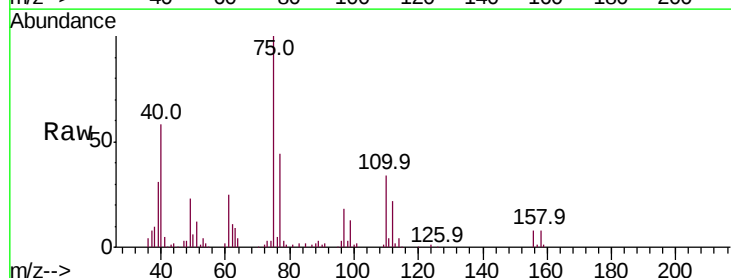
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

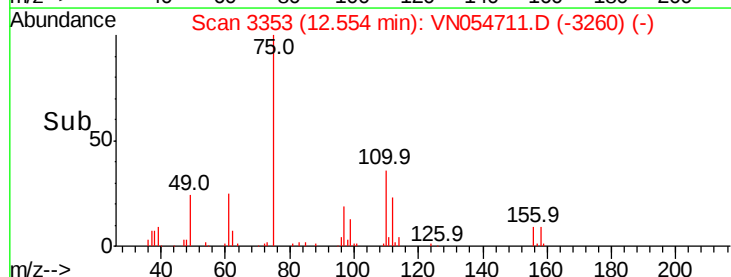
Tgt Ion:	75	Resp:	78194
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054711.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN054711.D (-3353) (-)

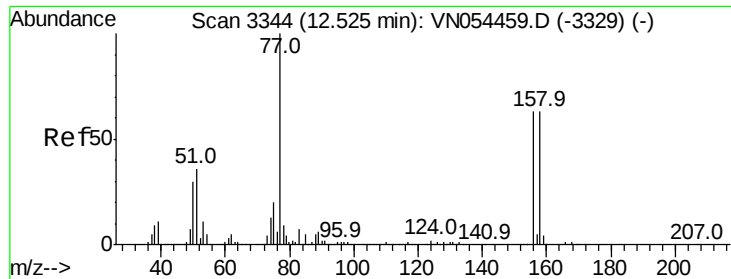
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN054711.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN054711.D (-3353) (-)

Time-->



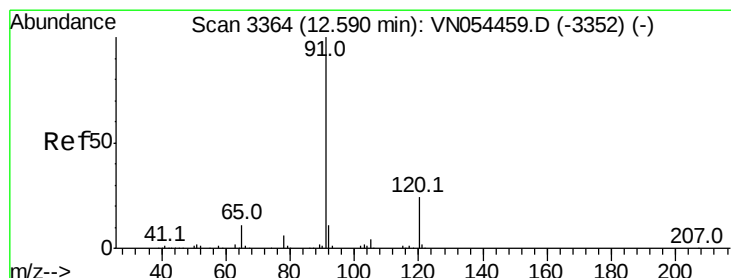
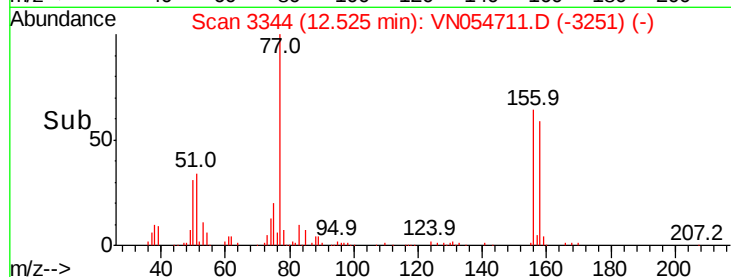
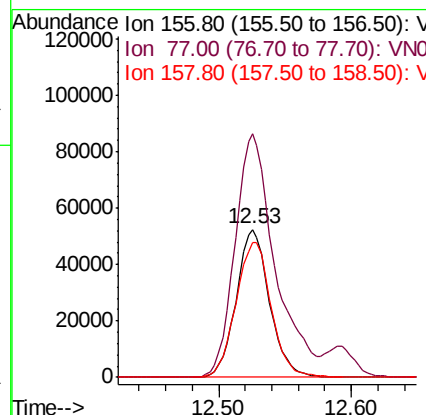
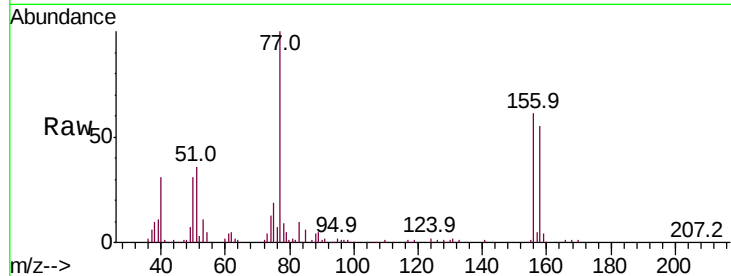
#77
Bromobenzene
Concen: 19.347 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.1	81.5	244.4
158	96.6	49.0	147.2

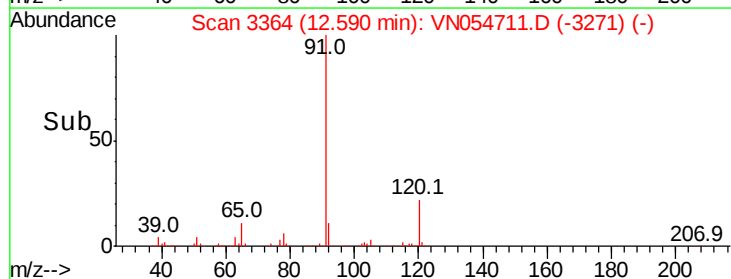
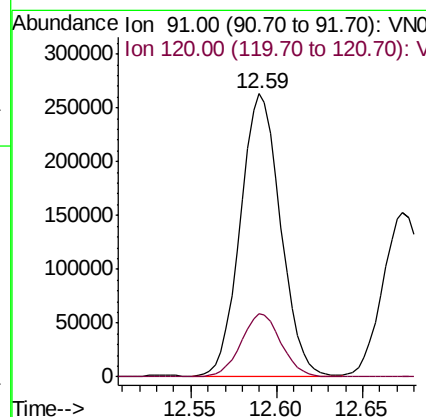
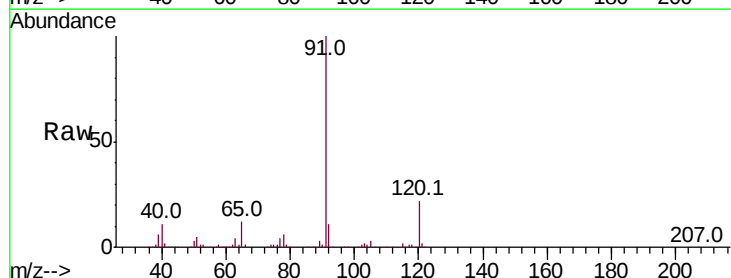
Manual Integrations
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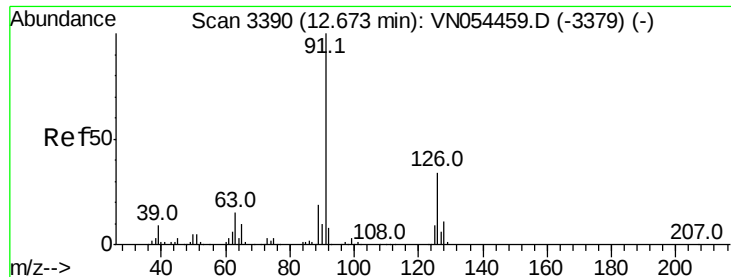
MMDadoda
3/28/2019 12:44:39 PM



#78
n-propylbenzene
Concen: 20.667 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	12.3	36.9





#79

2-Chlorotoluene

Concen: 20.219 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBS01

Tot Ion: 91 Resp: 260024

Ion Ratio Lower Upper

91 100

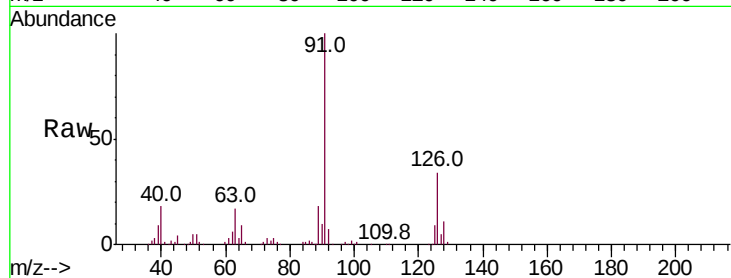
126 34.4 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)

12.67

150000

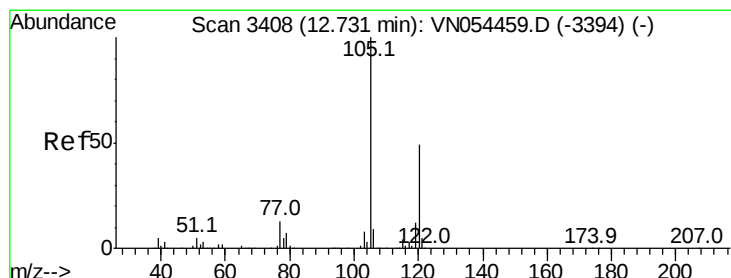
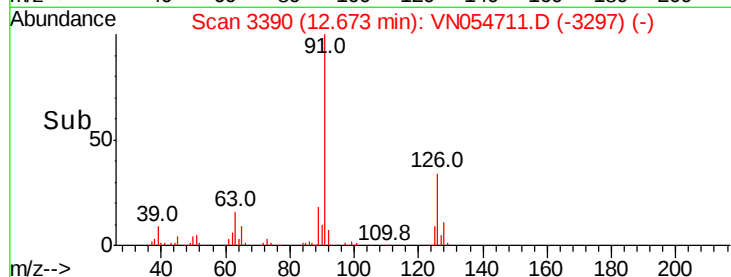
100000

50000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.368 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054711.D

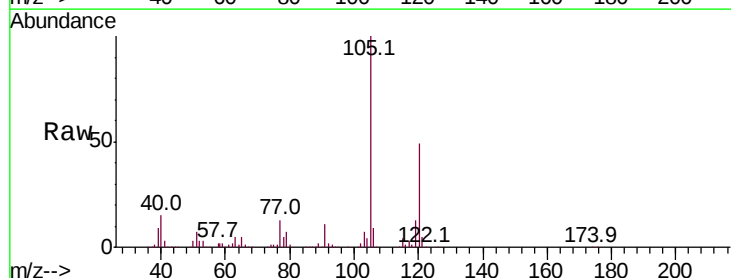
Acq: 27 Mar 2019 10:27

Tgt Ion:105 Resp: 317475

Ion Ratio Lower Upper

105 100

120 48.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

12.73

200000

150000

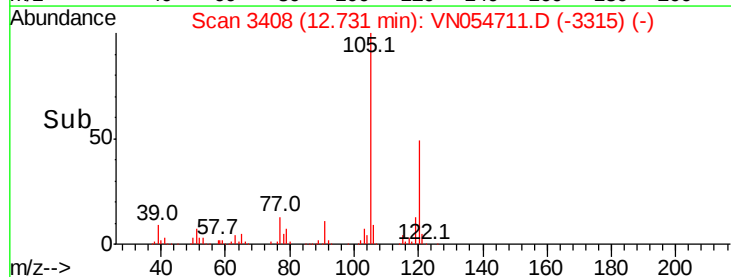
100000

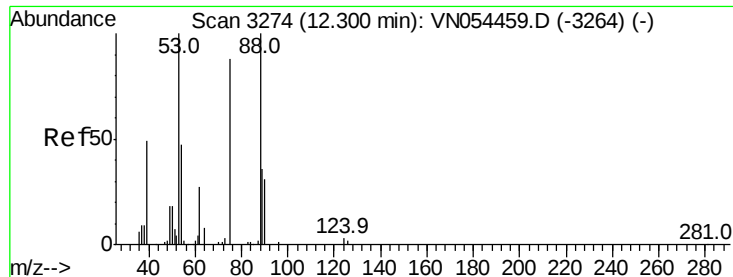
50000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.263 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

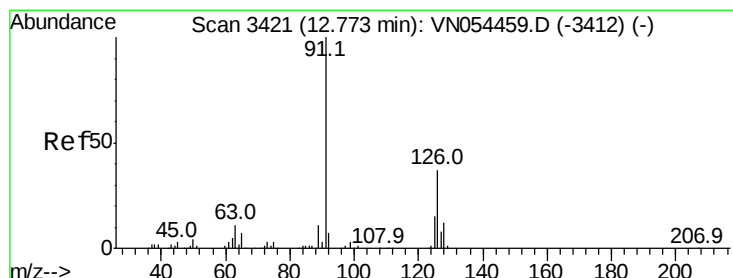
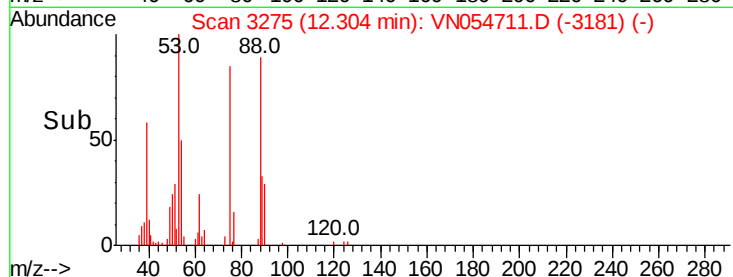
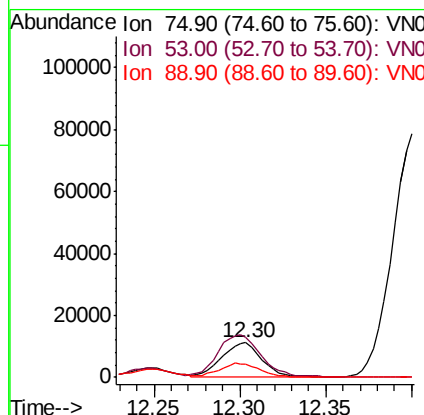
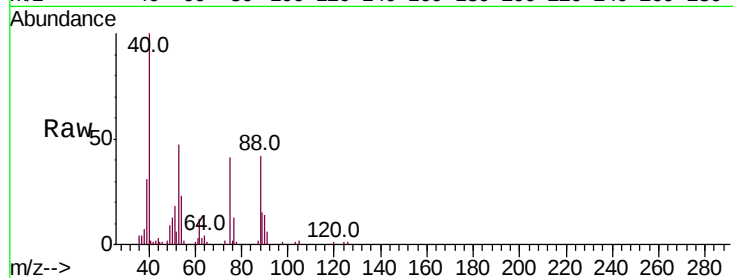
ClientSampled :

VN0327WBS01

Tot Ion:	75	Resp:	18665
Ion	Ratio	Lower	Upper
75	100		
53	131.7	76.2	114.2#
89	38.4	39.2	58.8#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.017 ug/l

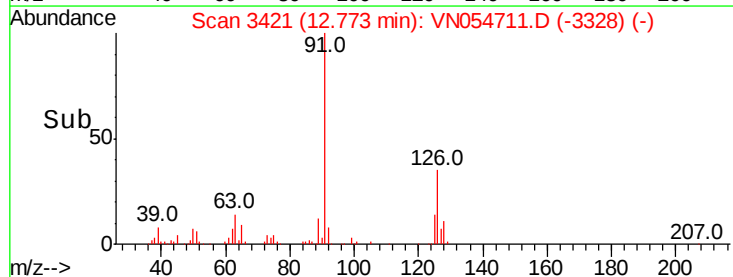
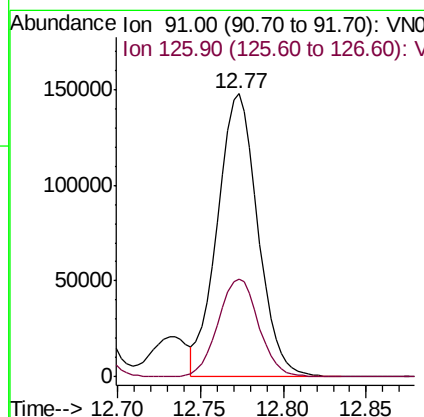
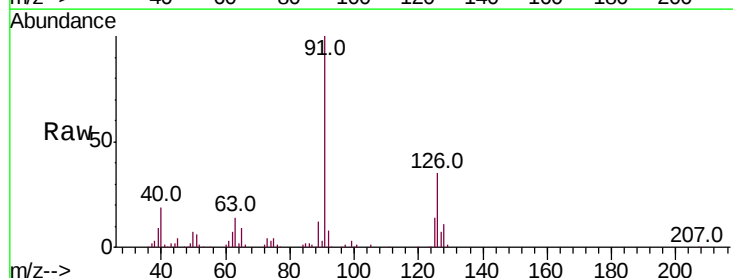
RT: 12.77 min Scan# 3421

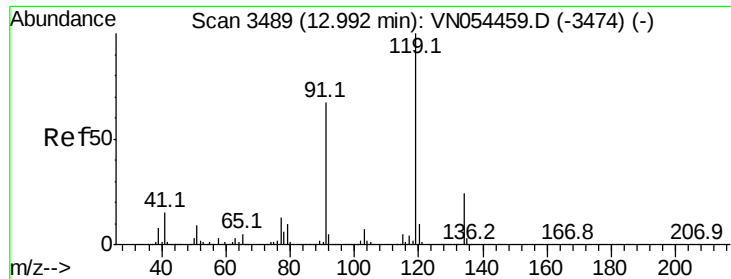
Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion:	91	Resp:	249523
Ion	Ratio	Lower	Upper
91	100		
126	34.8	18.1	54.1





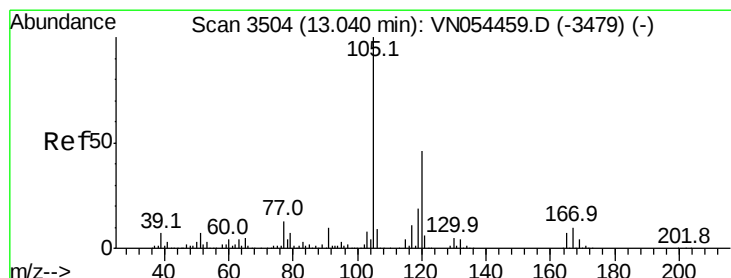
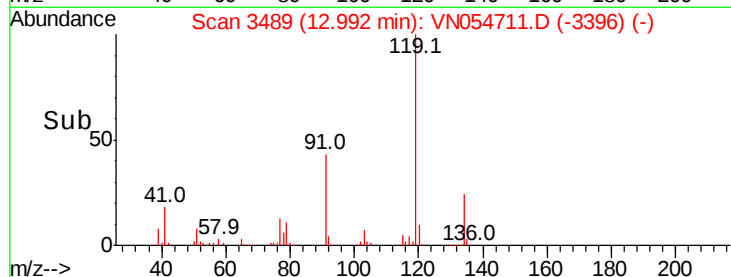
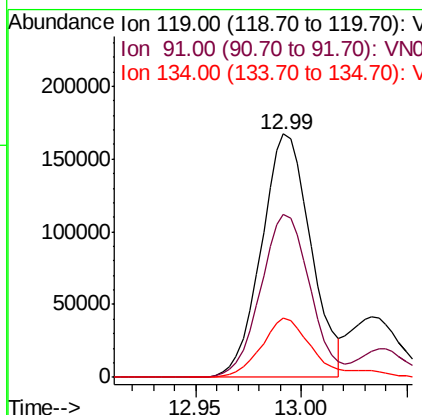
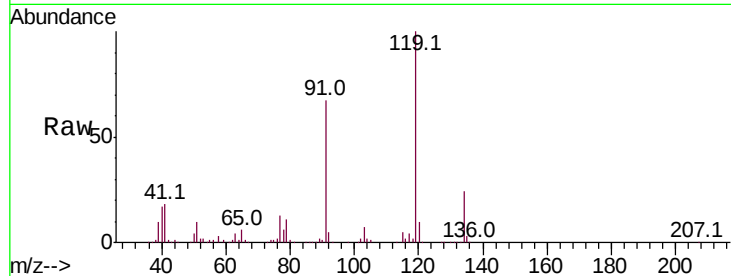
#83
tert-Butylbenzene
Concen: 20.052 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	30.9	92.8
134	24.0	13.2	39.6

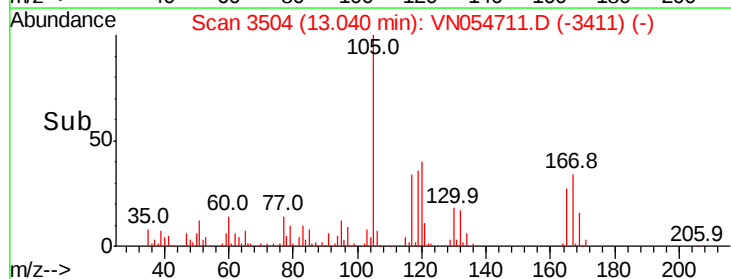
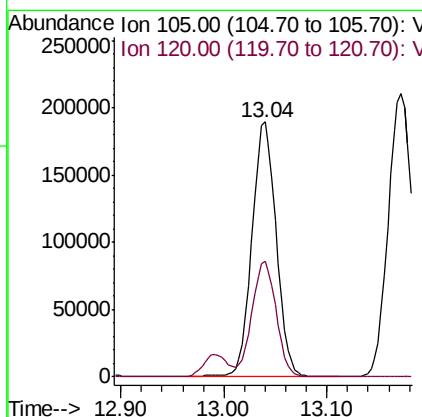
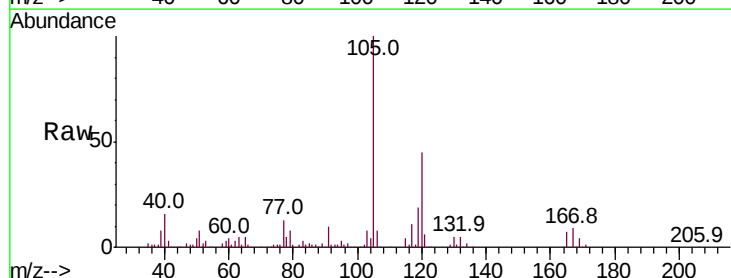
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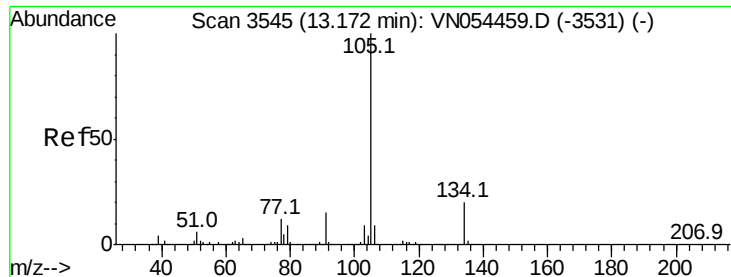
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.219 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.4	70.3





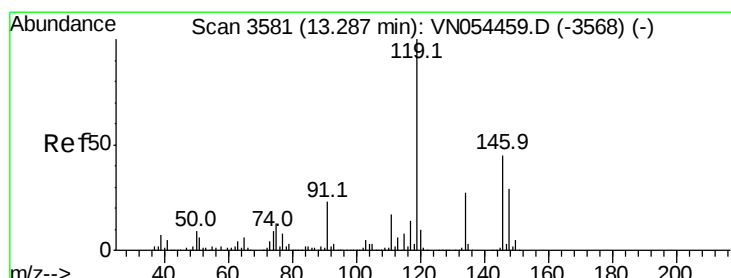
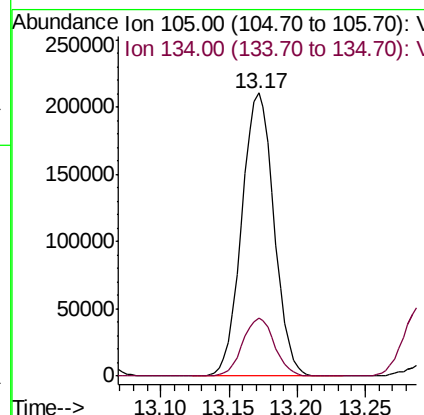
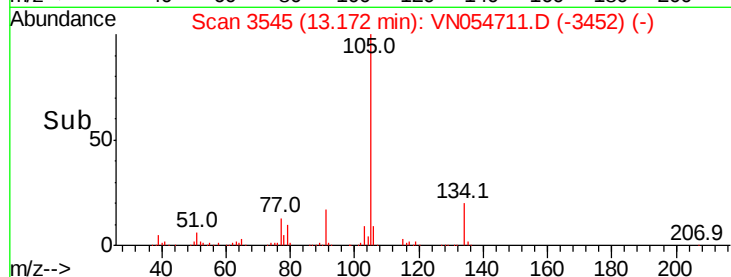
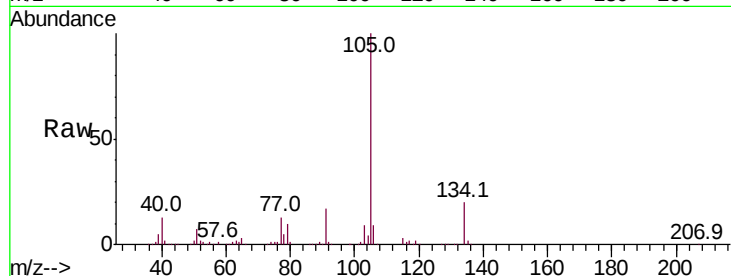
#85
 sec-Butylbenzene
 Concen: 20.395 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.7	32.1

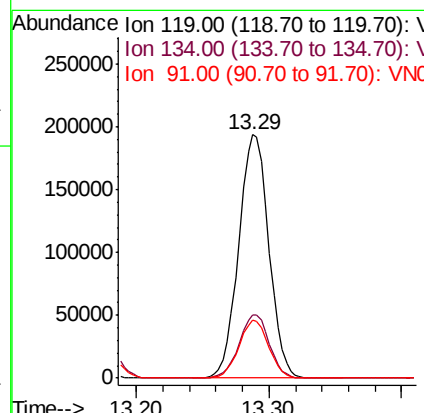
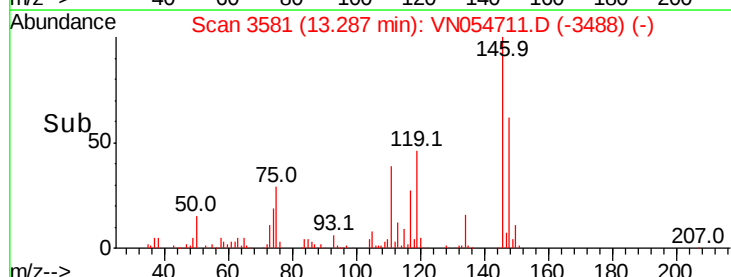
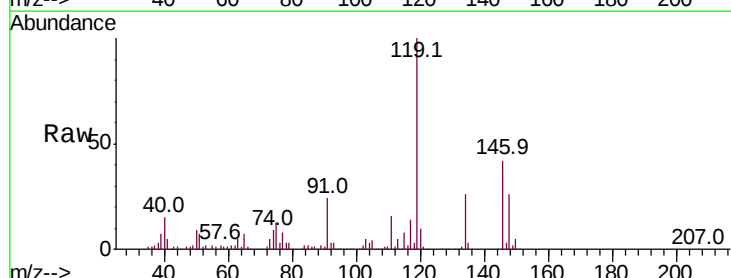
Manual Integrations
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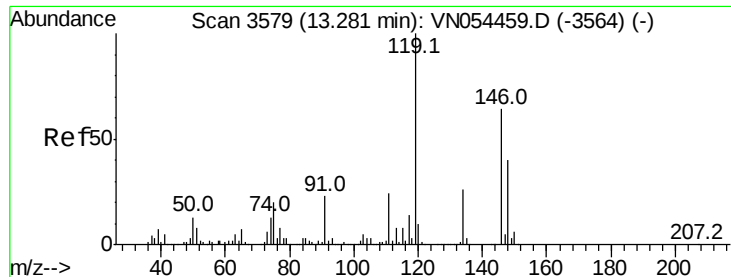
MMDadoda
 3/28/2019 12:44:39 PM



#86
 p-Isopropyltoluene
 Concen: 20.116 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.6	40.8
91	23.6	11.1	33.3





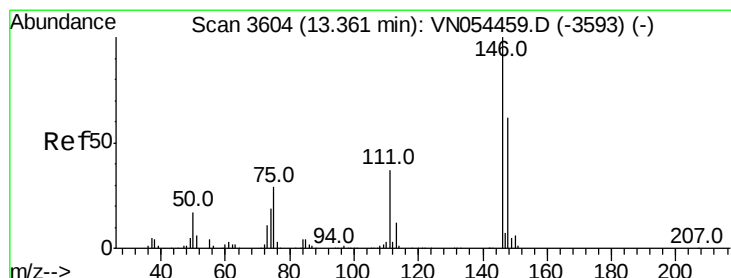
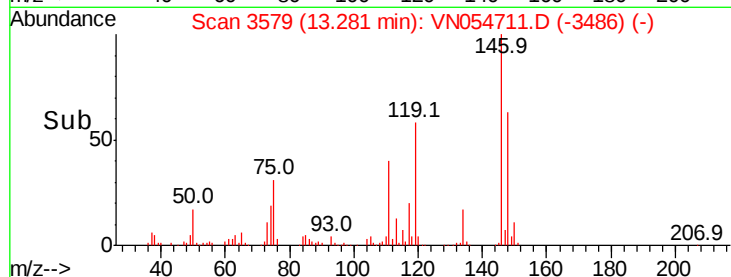
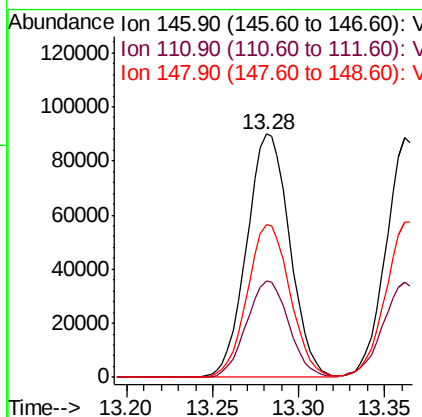
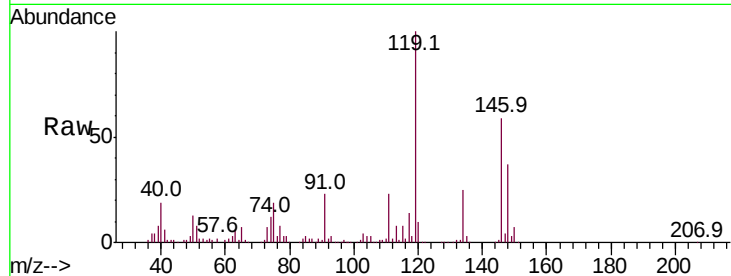
#87
 1,3-Dichlorobenzene
 Concen: 19.968 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.8	56.3
148	62.4	32.2	96.6

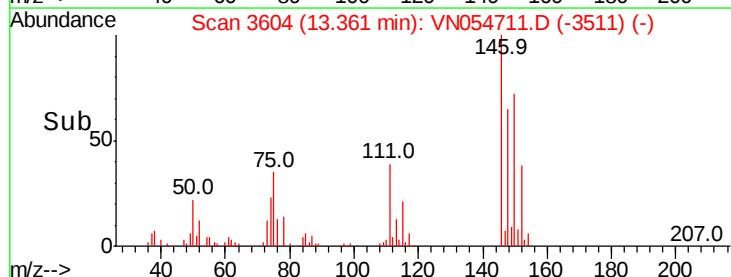
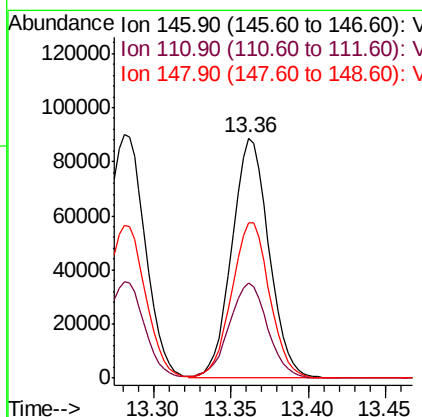
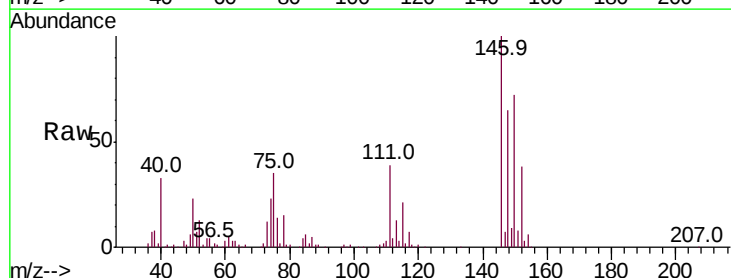
Manual Integrations
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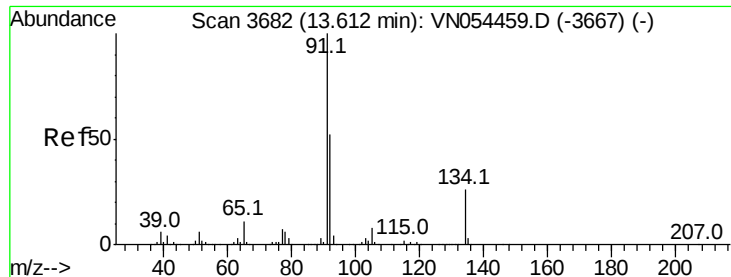
MMDadoda
 3/28/2019 12:44:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.413 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	18.1	54.1
148	66.5	32.0	96.0





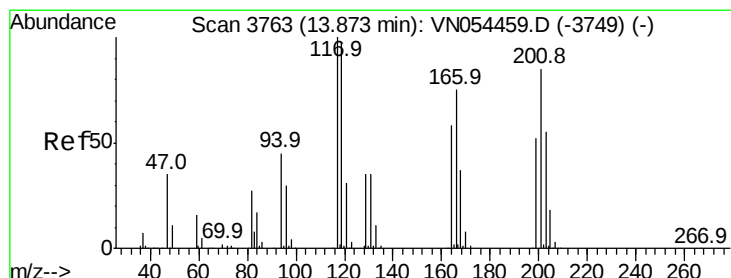
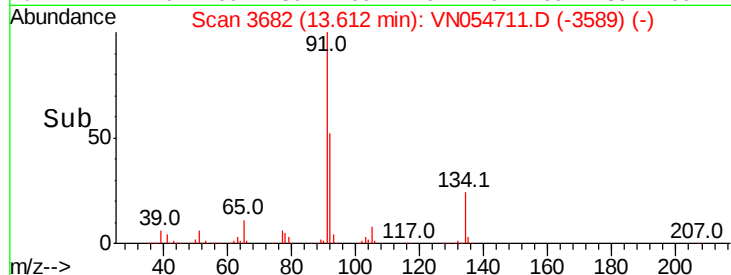
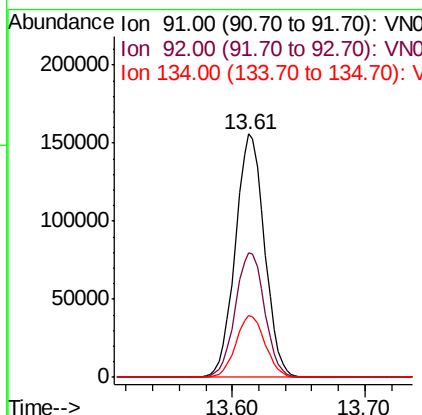
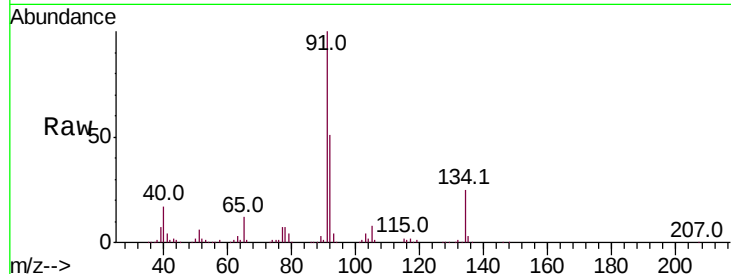
#89
n-Butylbenzene
Concen: 20.070 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.6
134	25.4	14.3	42.9

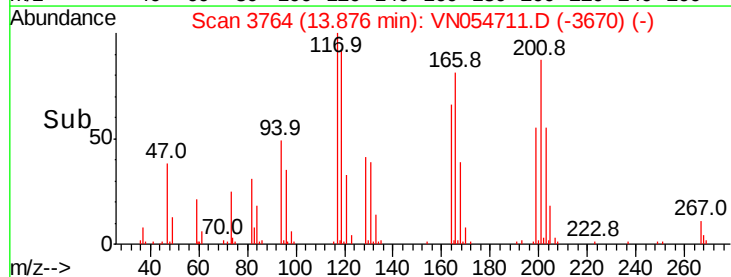
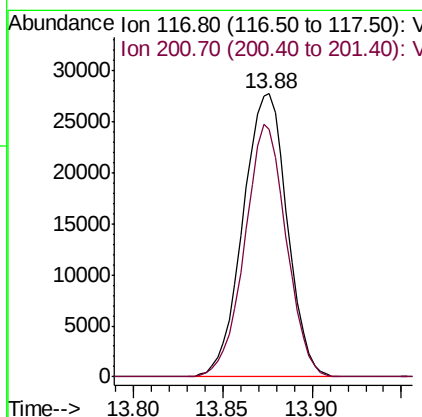
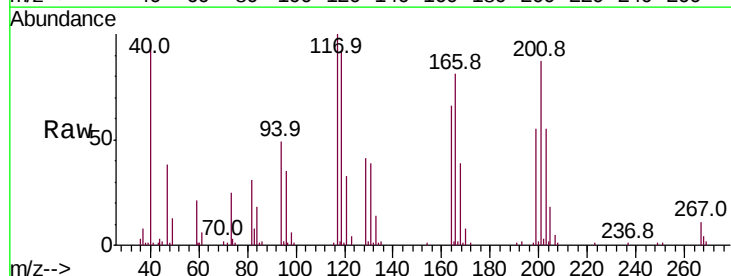
Manual Integrations
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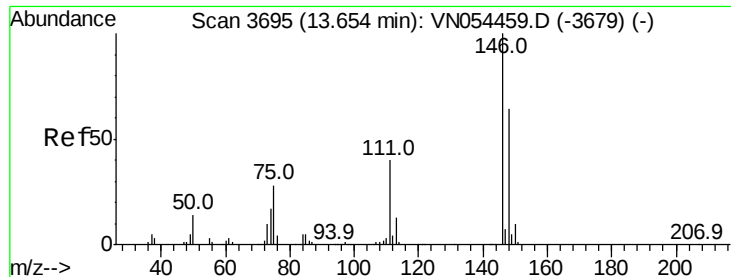
MMDadoda
3/28/2019 12:44:39 PM



#90
Hexachloroethane
Concen: 20.411 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054711.D
Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 20.485 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

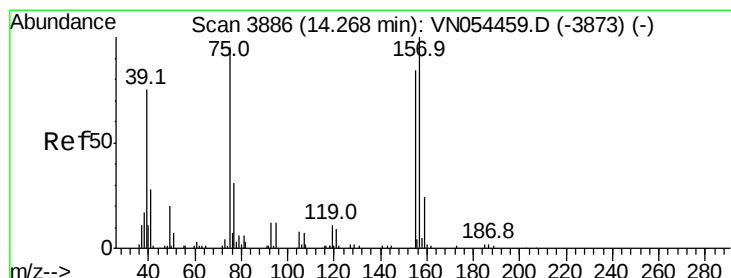
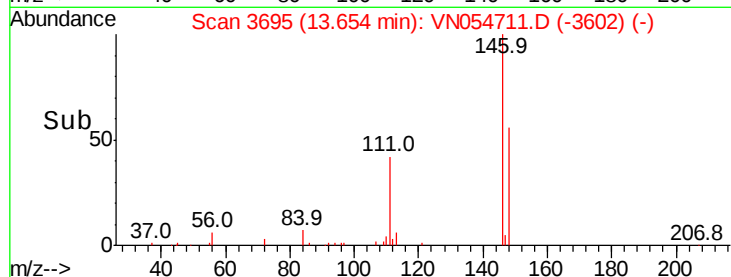
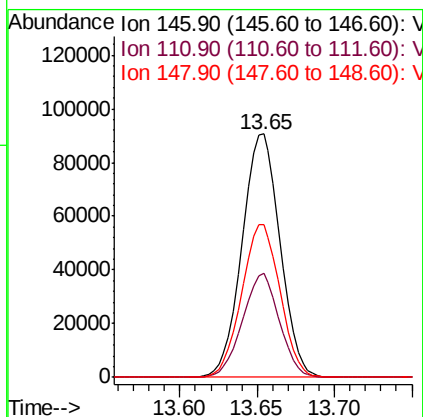
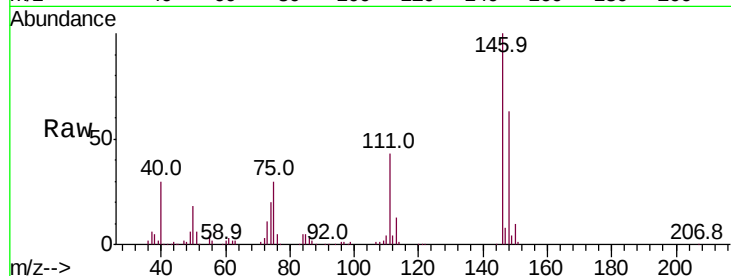
ClientSampleId :

VN0327WBS01

Tot Ion:	146	Resp:	155091
Ion Ratio	Lower	Upper	
146	100		
111	41.3	19.1	57.3
148	63.4	32.4	97.0

Manual Integrations
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3/28/2019 12:44:39 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.624 ug/l

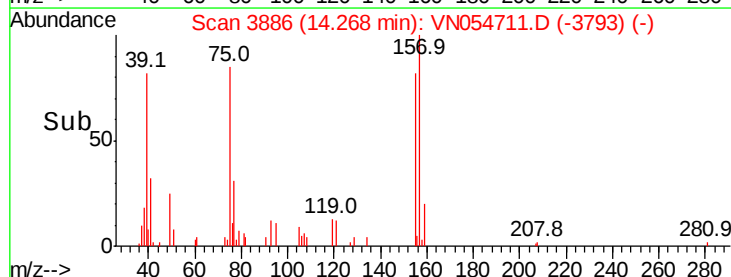
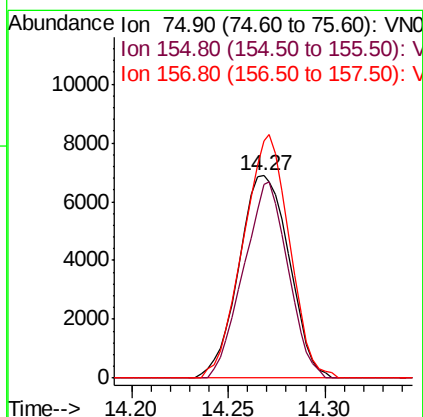
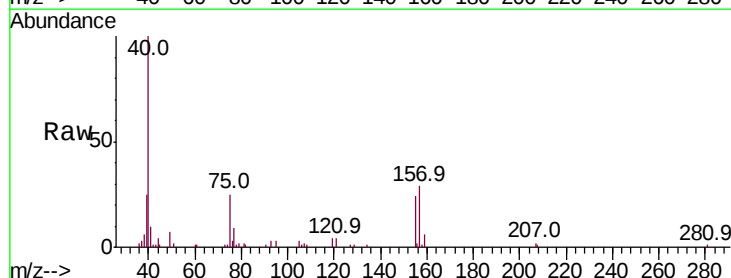
RT: 14.27 min Scan# 3886

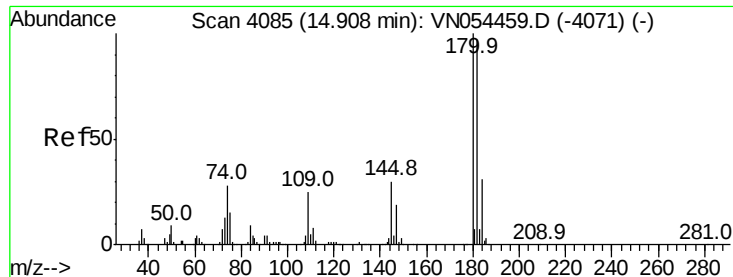
Delta R.T. 0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion:	75	Resp:	12496
Ion Ratio	Lower	Upper	
75	100		
155	85.6	50.1	150.3
157	110.8	63.1	189.3





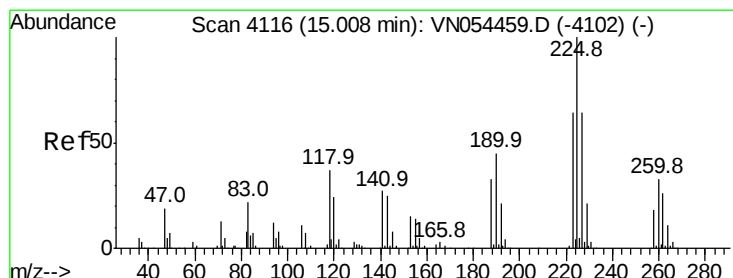
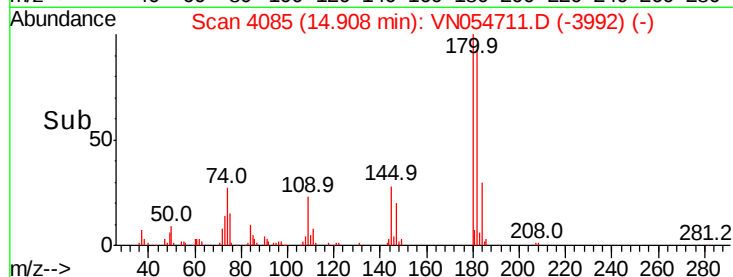
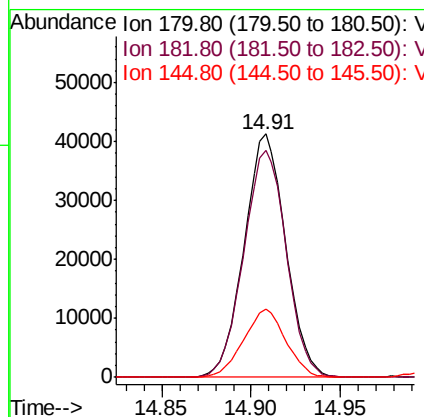
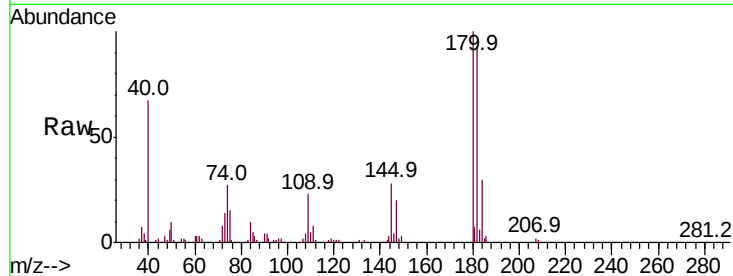
#93
 1,2,4-Trichlorobenzene
 Concen: 17.790 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.2
145	28.5	14.2	42.8

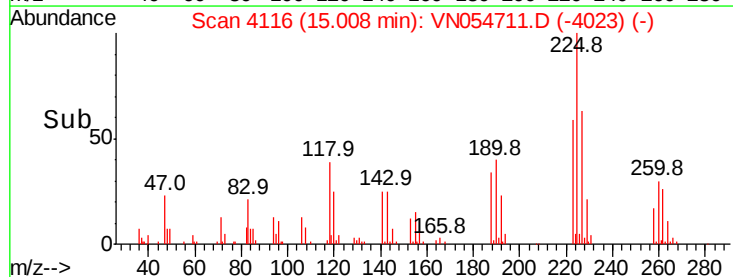
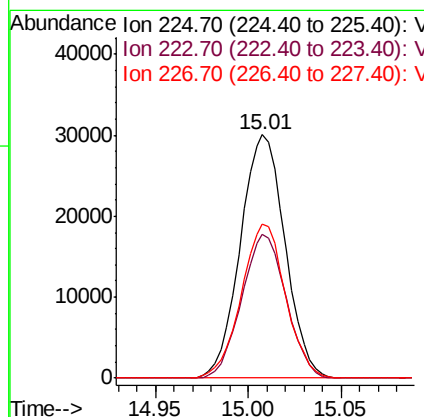
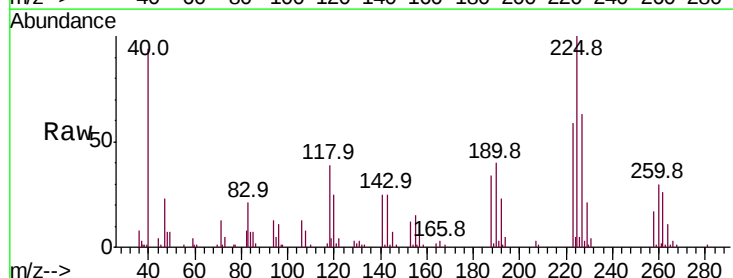
Manual Integrations
 APPROVED

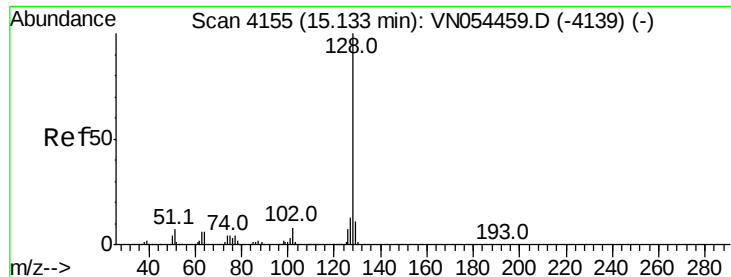
MMDadoda
 3/28/2019 12:44:39 PM



#94
 Hexachlorobutadiene
 Concen: 22.417 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054711.D
 Acq: 27 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.6	31.1	93.5
227	62.4	31.9	95.9





#95

Naphthalene

Concen: 17.577 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Instrument :

MSVOA_N

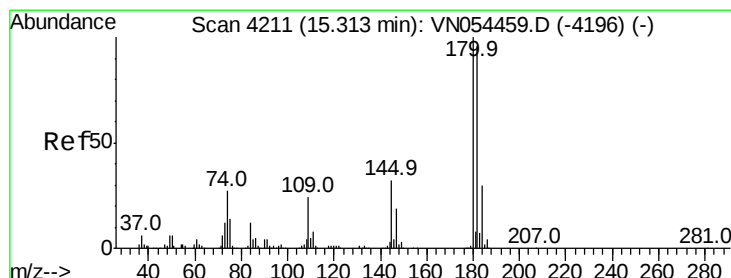
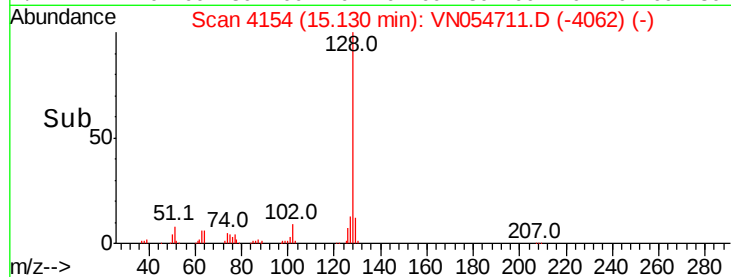
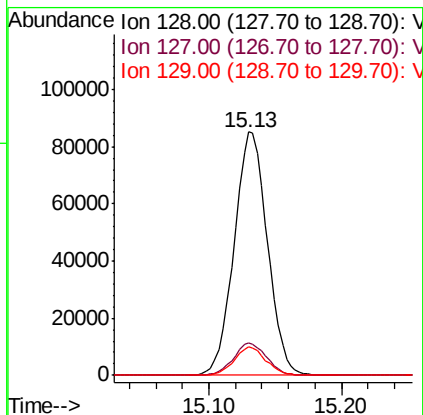
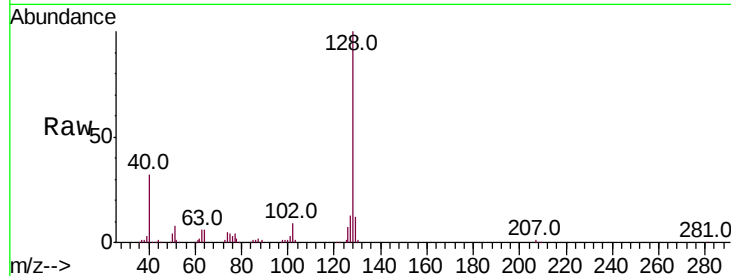
ClientSampleId :

VN0327WBS01

Tot Ion:	128	Resp:	147971
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/28/2019 12:44:39 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.549 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054711.D

Acq: 27 Mar 2019 10:27

Tgt Ion:	180	Resp:	69677
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.5	142.6
145	30.5	14.8	44.3

