

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\
 Data File : VN054688.D
 Acq On : 26 Mar 2019 10:35
 Operator : JC/SP
 Sample : VN0326WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 9:10:09 AM

Quant Time: Mar 27 04:19:09 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	452919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	728599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	630503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	268124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	309456	54.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.86%	
35) Dibromofluoromethane	7.59	113	244376	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
50) Toluene-d8	10.09	98	891756	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.40	95	298255	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	90090	20.807	ug/l	96
3) Chloromethane	2.06	50	127459	21.636	ug/l	99
4) Vinyl Chloride	2.19	62	114162	19.302	ug/l	99
5) Bromomethane	2.58	94	67089	17.542	ug/l	99
6) Chloroethane	2.71	64	65271	18.399	ug/l	96
7) Trichlorofluoromethane	3.03	101	149106	20.759	ug/l	99
8) Diethyl Ether	3.41	74	48902	17.702	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	77022	18.246	ug/l	92
10) Methyl Iodide	3.95	142	108106	17.409	ug/l #	88
11) Tert butyl alcohol	4.82	59	35276	103.427	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	76429	17.495	ug/l #	74
13) Acrolein	3.61	56	50358	106.990	ug/l	99
14) Allyl chloride	4.32	41	181119	22.017	ug/l #	91
15) Acrylonitrile	5.00	53	193582	113.973	ug/l	100
16) Acetone	3.82	43	180557	106.602	ug/l #	84
17) Carbon Disulfide	4.04	76	212182	18.127	ug/l	100
18) Methyl Acetate	4.33	43	89701	23.761	ug/l #	90
19) Methyl tert-butyl Ether	5.05	73	275072	21.575	ug/l	93
20) Methylene Chloride	4.54	84	105886	21.208	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	96177	21.560	ug/l	89
22) Diisopropyl ether	5.96	45	377367	23.257	ug/l #	93
23) Vinyl Acetate	5.90	43	1307907	114.127	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	201259	23.036	ug/l	98
25) 2-Butanone	6.85	43	256873	118.392	ug/l #	87
26) 2,2-Dichloropropane	6.83	77	141101	22.656	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	112952	21.229	ug/l	88
28) Bromochloromethane	7.19	49	103496	24.067	ug/l #	73
29) Tetrahydrofuran	7.22	42	161079	114.404	ug/l #	84
30) Chloroform	7.37	83	191137	22.418	ug/l	100
31) Cyclohexane	7.65	56	185033	21.026	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	157856	22.441	ug/l	94
36) 1,1-Dichloropropene	7.79	75	141193	20.726	ug/l	95
37) Ethyl Acetate	6.94	43	107428	22.172	ug/l #	91
38) Carbon Tetrachloride	7.77	117	134589	20.330	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	154189	19.786	ug/l	89
40) Benzene	8.04	78	412886	21.195	ug/l	97
41) Methacrylonitrile	7.18	41	64884	21.958	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	155197	21.876	ug/l	97
43) Isopropyl Acetate	8.17	43	178766	21.846	ug/l #	94
44) Trichloroethene	8.83	130	111774	20.638	ug/l	95
45) 1,2-Dichloropropane	9.12	63	121464	23.220	ug/l	99
46) Dibromomethane	9.21	93	68828	22.056	ug/l	86
47) Bromodichloromethane	9.40	83	142935	22.070	ug/l	98
48) Methyl methacrylate	9.20	41	92844	20.904	ug/l	88
49) 1,4-Dioxane	9.21	88	20072	404.251	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	519984	114.660	ug/l	93
52) Toluene	10.16	92	249682	20.839	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	125999	19.851	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	158485	21.342	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	93686	21.753	ug/l	95
56) Ethyl methacrylate	10.43	69	119097	20.602	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	163543	21.844	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	215296	90.446	ug/l	89
59) 2-Hexanone	10.75	43	329457	111.219	ug/l	91
60) Dibromochloromethane	10.90	129	96458	21.047	ug/l	99
61) 1,2-Dibromoethane	11.00	107	89776	21.085	ug/l	99
64) Tetrachloroethene	10.63	164	105315	20.138	ug/l	96
65) Chlorobenzene	11.43	112	264678	20.640	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	99515	21.620	ug/l	98
67) Ethyl Benzene	11.51	91	470321	20.763	ug/l	96
68) m/p-Xylenes	11.62	106	355604	41.445	ug/l	97
69) o-Xylene	11.95	106	171642	20.484	ug/l	95
70) Styrene	11.96	104	280452	20.610	ug/l	96
71) Bromoform	12.13	173	56750	19.310	ug/l #	99
73) Isopropylbenzene	12.25	105	454678	21.044	ug/l	98
74) N-amyl acetate	12.07	43	140229	22.572	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	110949	22.495	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	101368m	23.825	ug/l	
77) Bromobenzene	12.53	156	112201	20.939	ug/l	86
78) n-propylbenzene	12.59	91	505065	21.558	ug/l	97
79) 2-Chlorotoluene	12.67	91	306751	20.996	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	375692	21.216	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	22312	20.103	ug/l #	78
82) 4-Chlorotoluene	12.77	91	300767	21.238	ug/l	96
83) tert-Butylbenzene	12.99	119	329051	21.348	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	371004	21.352	ug/l	97
85) sec-Butylbenzene	13.17	105	411030	21.391	ug/l	97
86) p-Isopropyltoluene	13.29	119	362150	21.067	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	185688	20.911	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	174424	20.188	ug/l	96
89) n-Butylbenzene	13.61	91	283492	21.090	ug/l	97
90) Hexachloroethane	13.87	117	57104	21.400	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	183173	21.296	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16996	23.494	ug/l	81

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	82354	19.207	ug/l	99
94) Hexachlorobutadiene	15.01	225	58875	23.106	ug/l	99
95) Naphthalene	15.13	128	185057	19.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	83531	19.574	ug/l	98

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

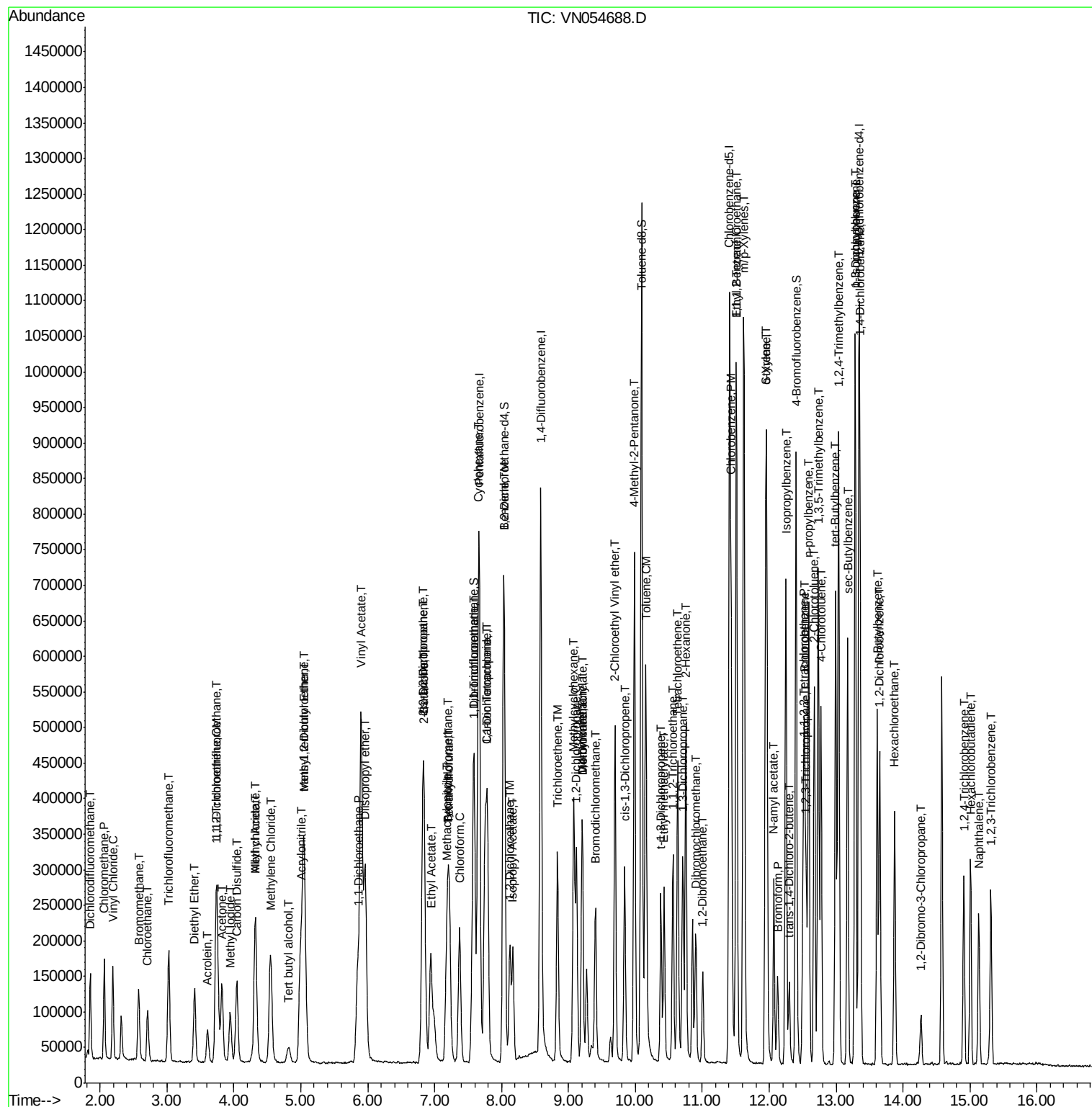
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Data File : VN054688.D
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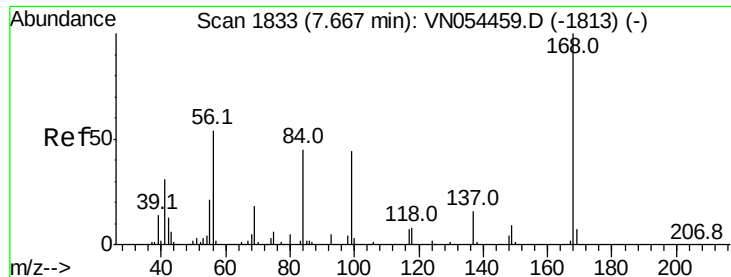
Instrument :
MSVOA_N
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBS01

Tot Ion:168 Resp: 452919

Ion Ratio Lower Upper

168 100

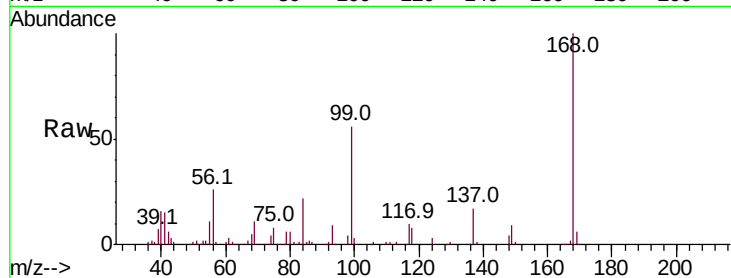
99 55.4 37.1 55.7

Manual Integrations

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3/27/2019 9:10:09 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

150000

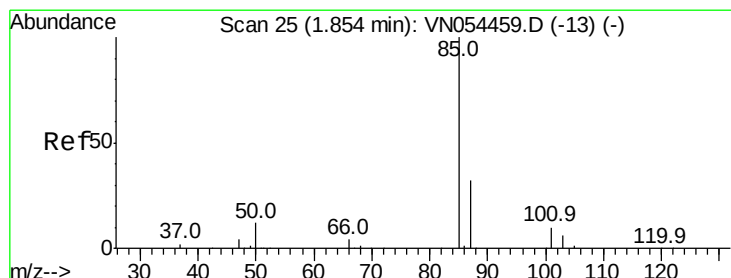
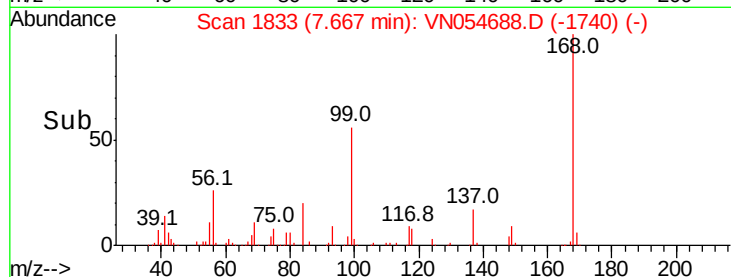
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.807 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054688.D

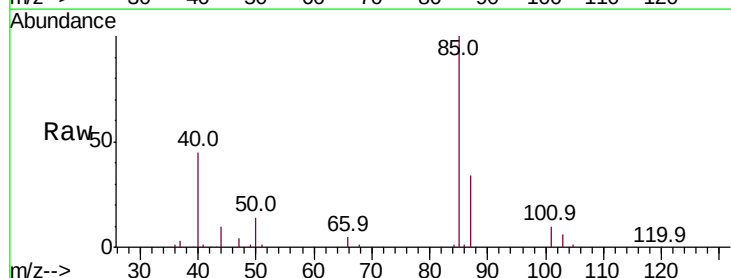
Acq: 26 Mar 2019 10:35

Tgt Ion: 85 Resp: 90090

Ion Ratio Lower Upper

85 100

87 33.8 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

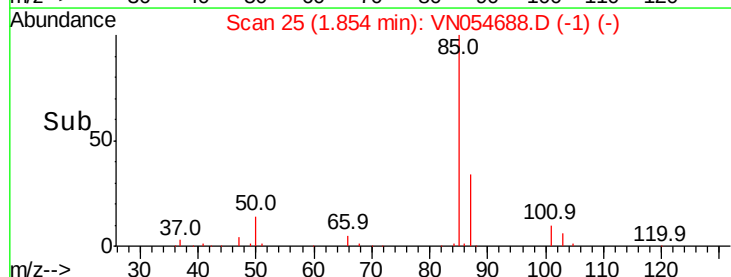
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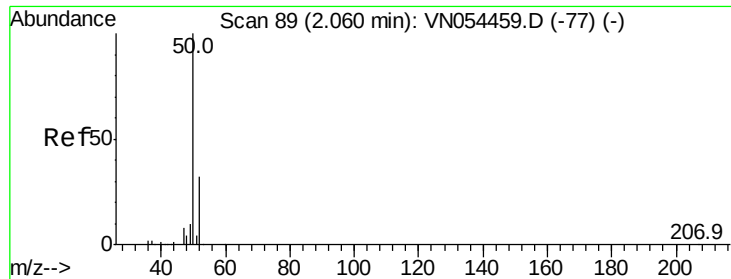
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.636 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBS01

Tot Ion: 50 Resp: 127459

Ion Ratio Lower Upper

50 100

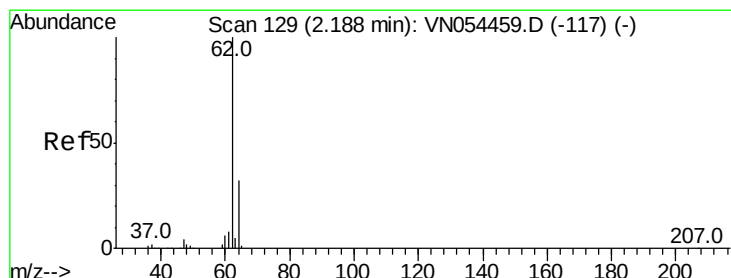
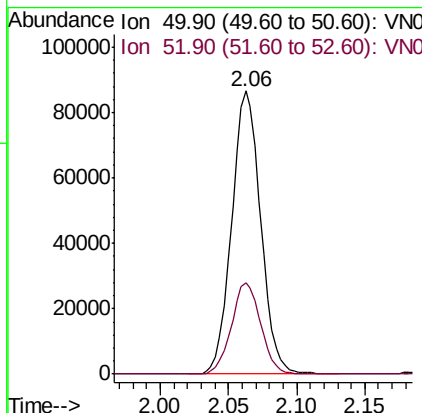
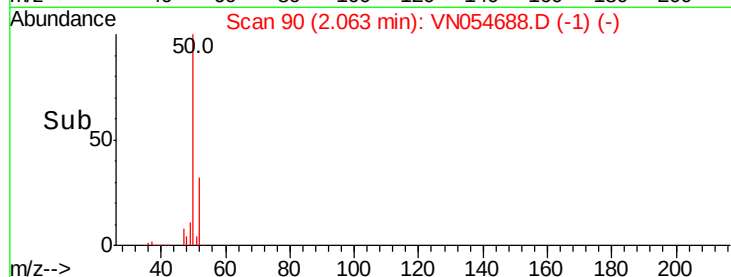
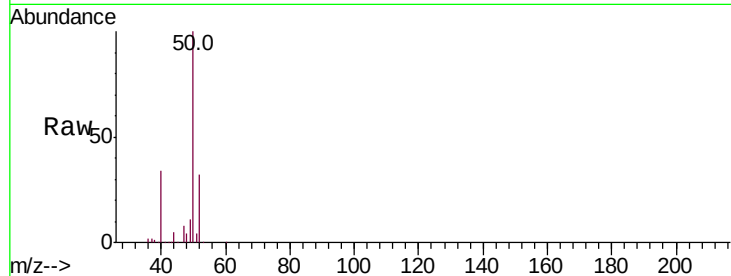
52 32.4 26.4 39.6

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 19.302 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054688.D

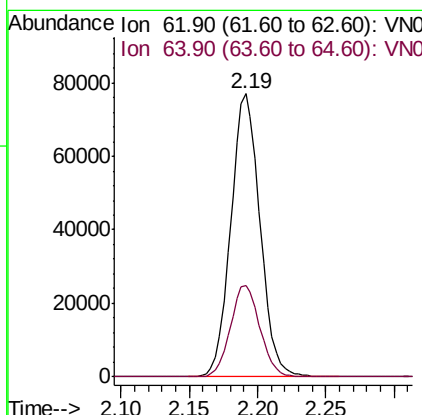
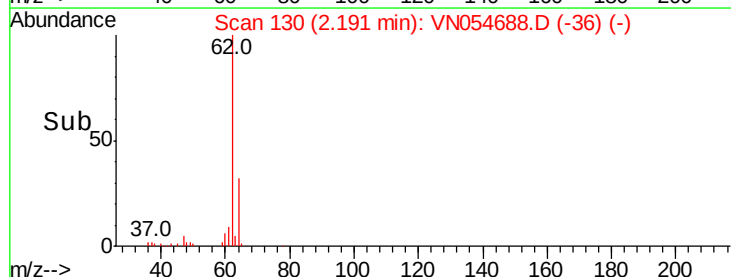
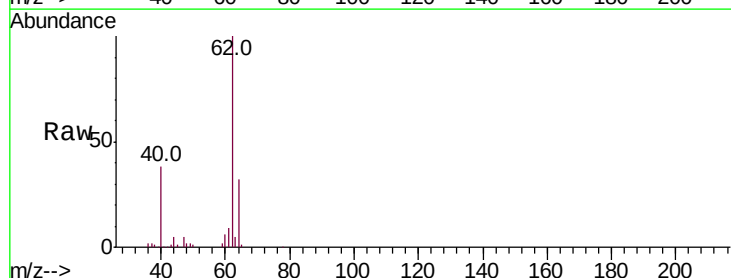
Acq: 26 Mar 2019 10:35

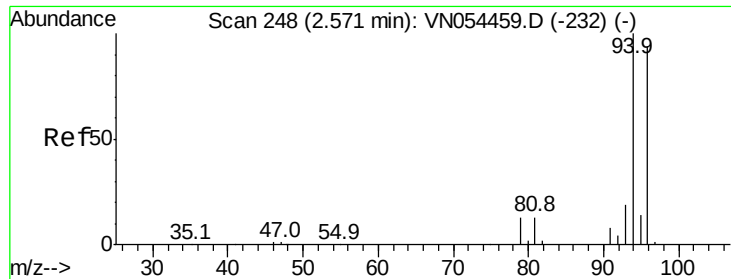
Tgt Ion: 62 Resp: 114162

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 17.542 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

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ClientSampleId :

VN0326WBS01

Tot Ion: 94 Resp: 67089

Ion Ratio Lower Upper

94 100

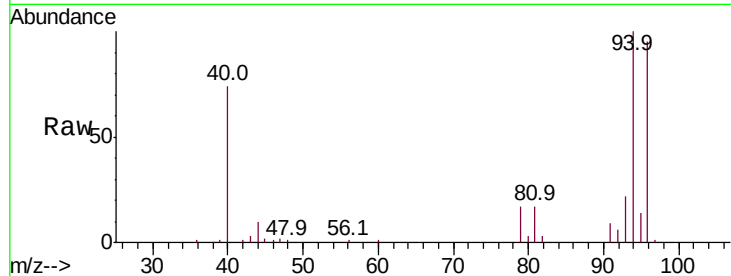
96 95.2 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

40000

30000

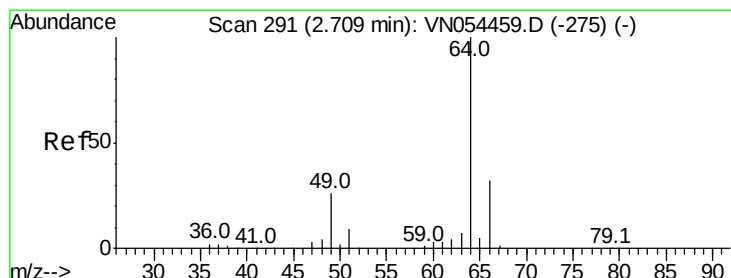
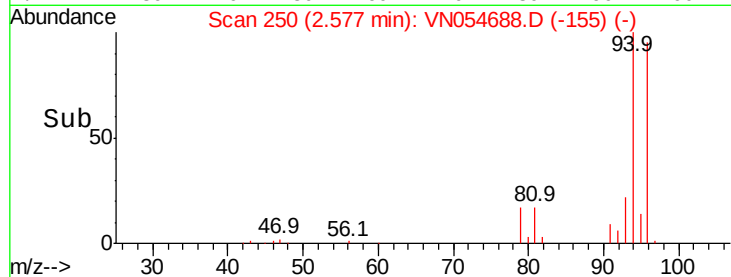
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10000

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Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.399 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054688.D

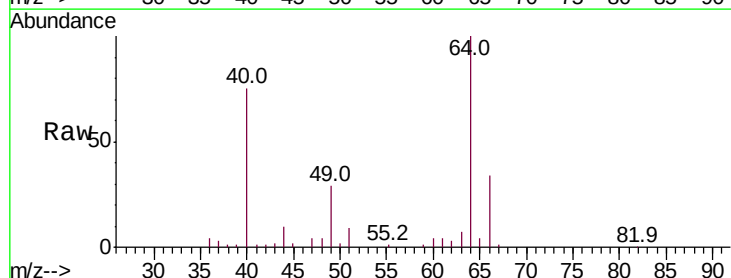
Acq: 26 Mar 2019 10:35

Tgt Ion: 64 Resp: 65271

Ion Ratio Lower Upper

64 100

66 34.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

40000

30000

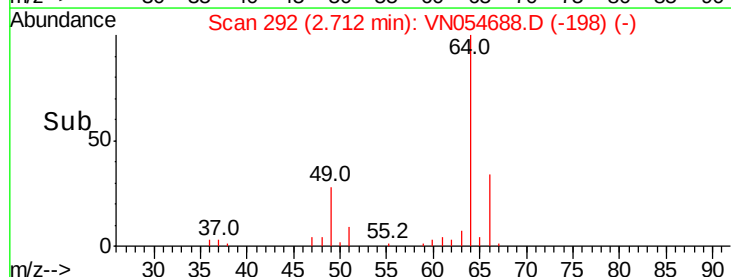
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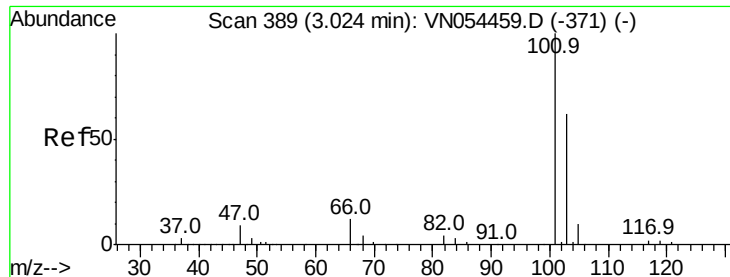
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Time-->

2.65 2.70 2.75 2.80





#7

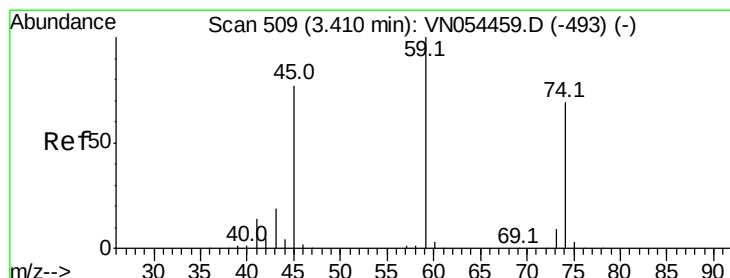
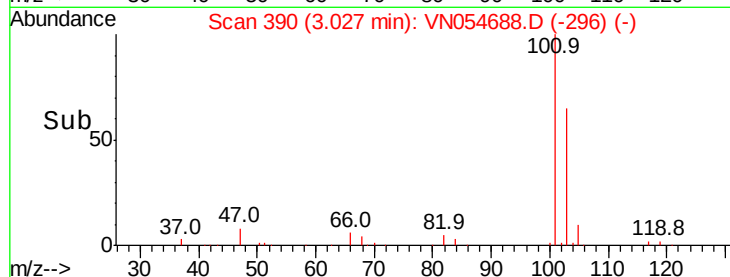
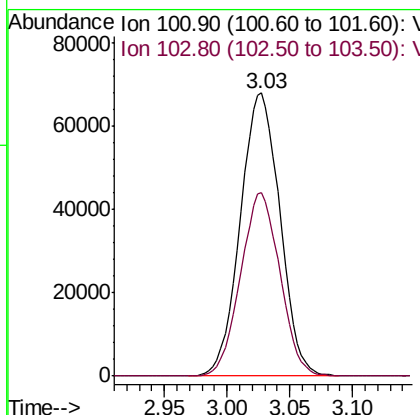
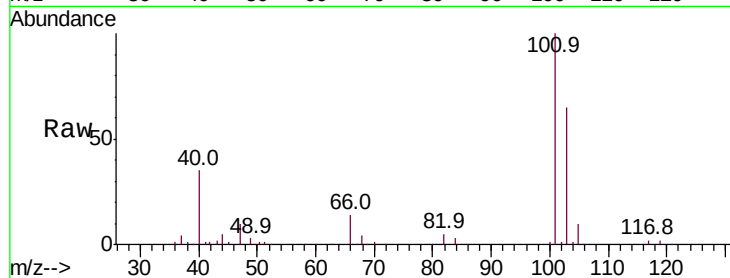
Trichlorofluoromethane
Concen: 20.759 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.4	77.2

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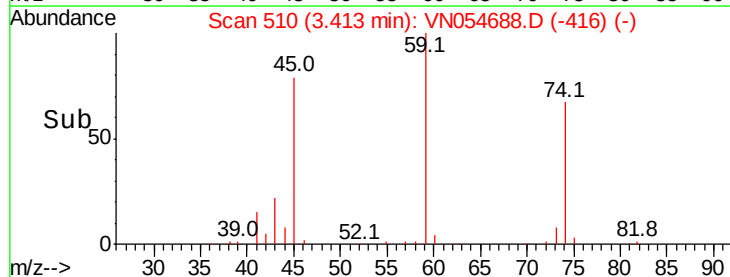
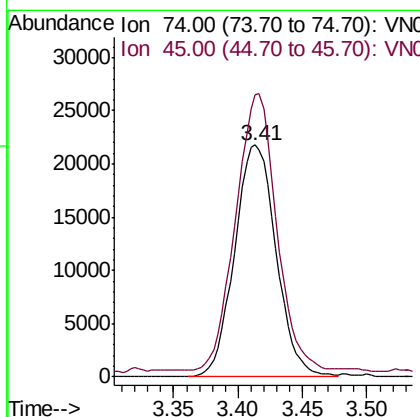
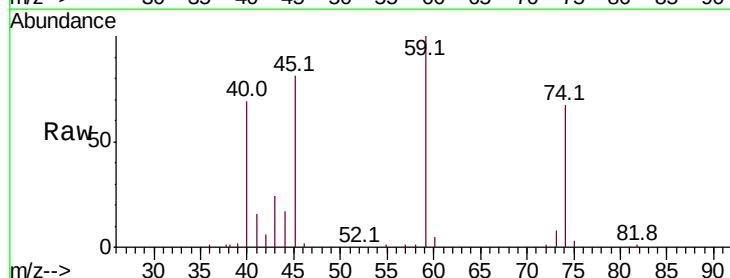
MMDadoda
3/27/2019 9:10:09 AM

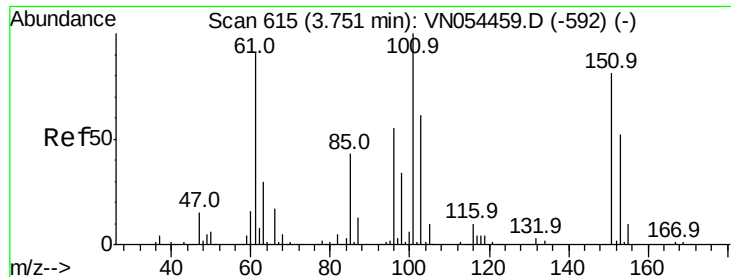


#8

Diethyl Ether
Concen: 17.702 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.3	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.246 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

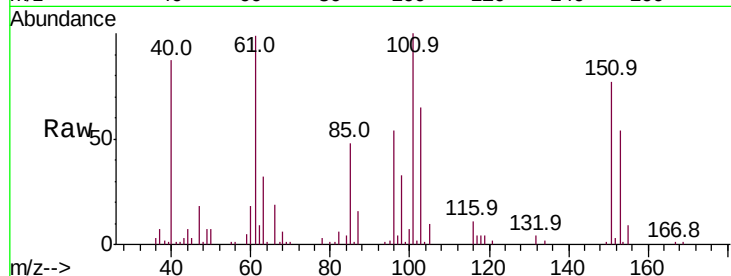
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VN0326WBS01

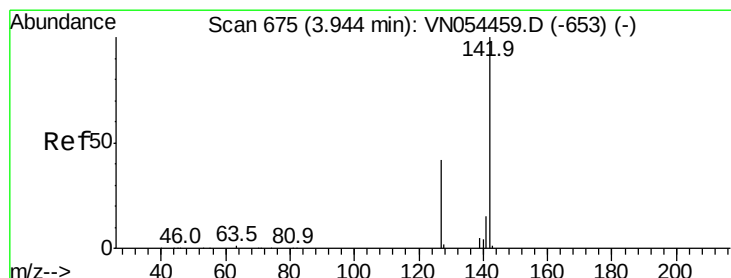
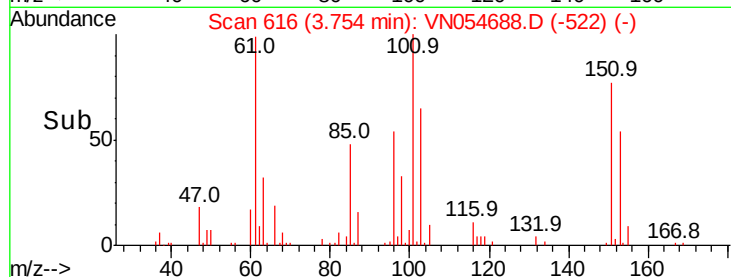
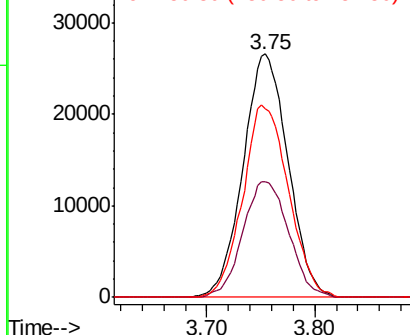
Tot Ion:	101	Resp:	77022
Ion Ratio	Lower	Upper	
101	100		
85	48.5	32.4	48.6
151	80.2	68.2	102.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.409 ug/l

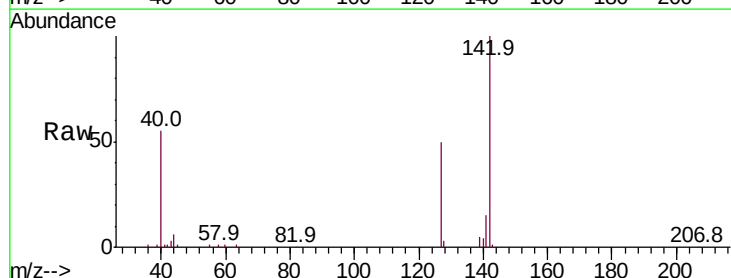
RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

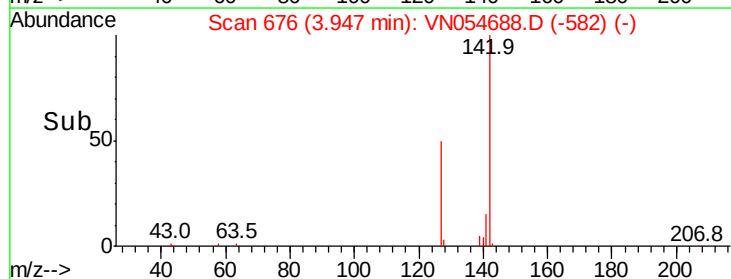
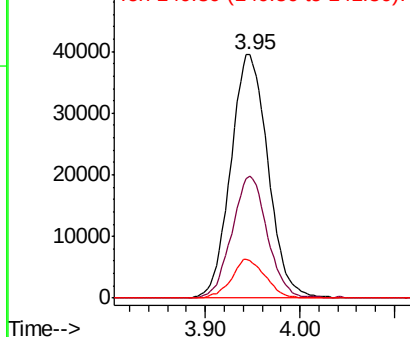
Lab File: VN054688.D

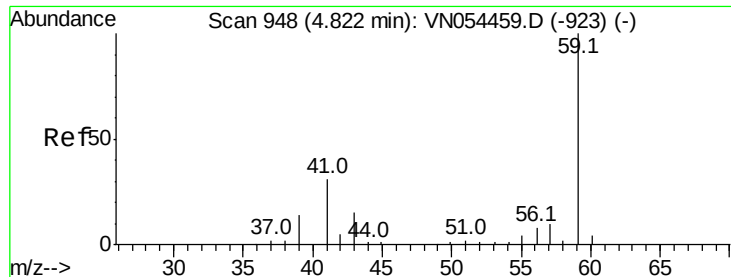
Acq: 26 Mar 2019 10:35

Tgt Ion:	142	Resp:	108106
Ion Ratio	Lower	Upper	
142	100		
127	47.5	30.3	45.5#
141	14.5	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





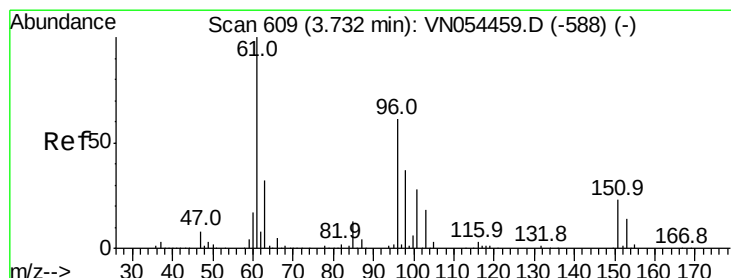
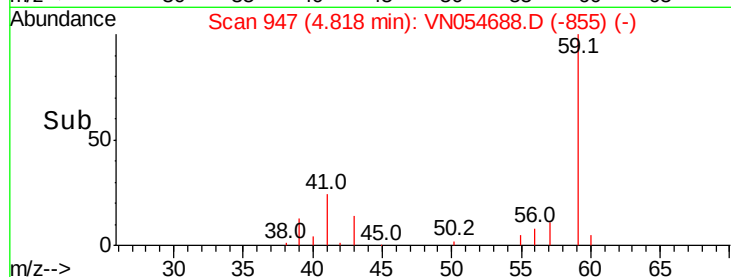
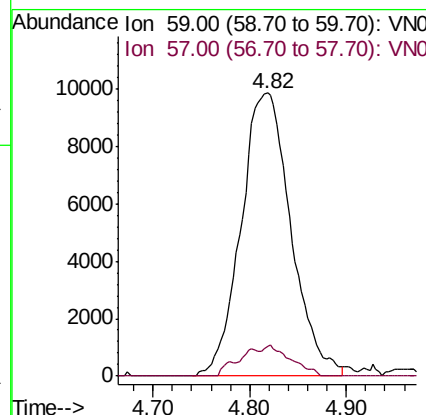
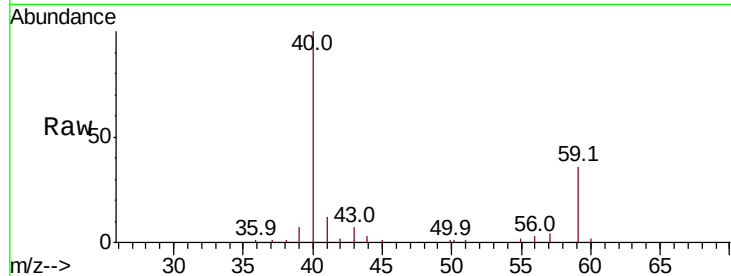
#11
Tert butyl alcohol
Concen: 103.427 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion: 59 Resp: 35276
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#

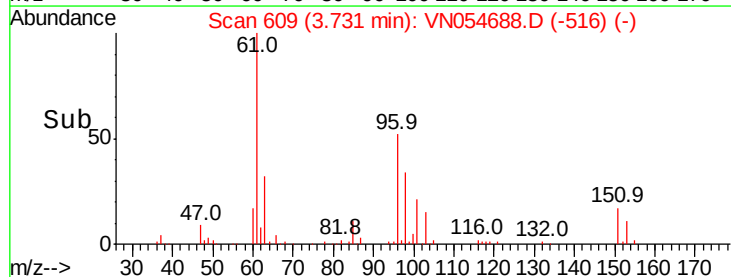
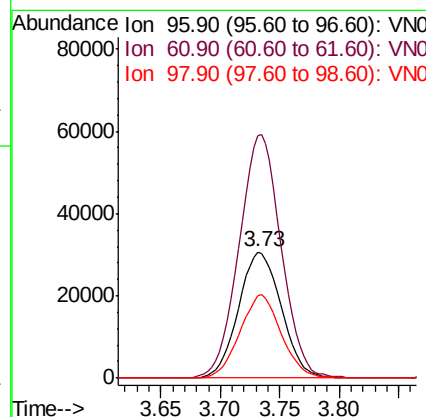
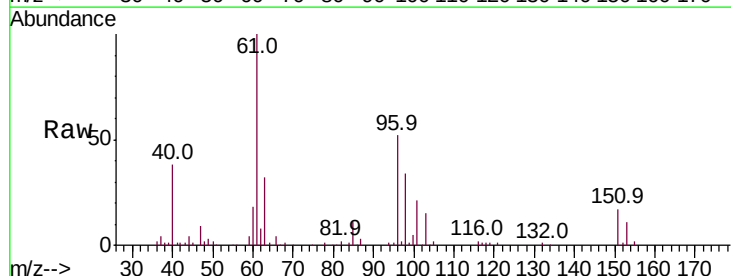
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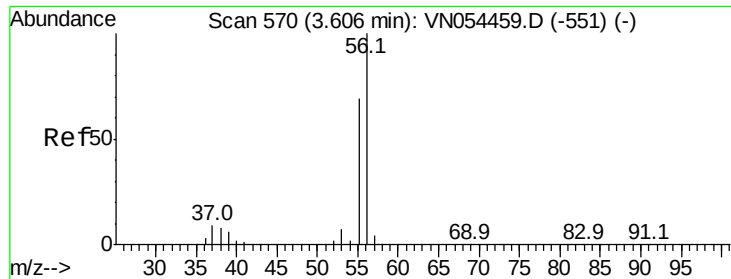
MMDadoda
3/27/2019 9:10:09 AM



#12
1,1-Dichloroethene
Concen: 17.495 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 96 Resp: 76429
Ion Ratio Lower Upper
96 100
61 191.2 116.5 174.7#
98 65.0 51.0 76.4





#13

Acrolein

Concen: 106.990 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBS01

Tot Ion: 56 Resp: 50358

Ion Ratio Lower Upper

56 100

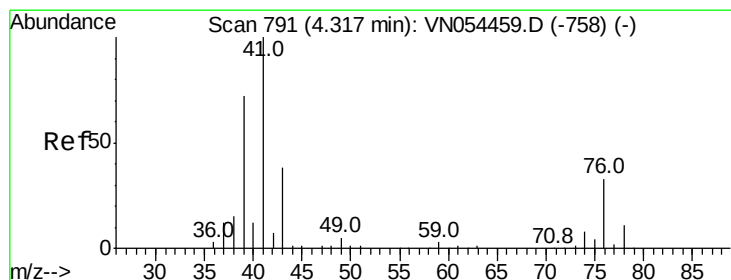
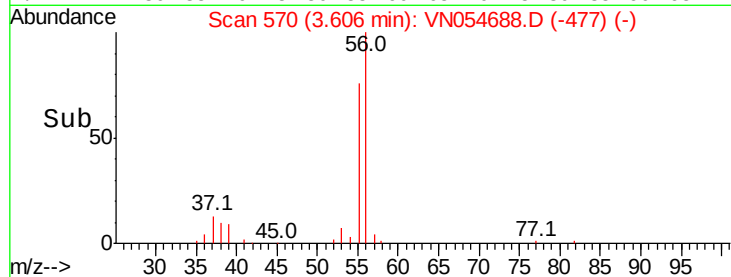
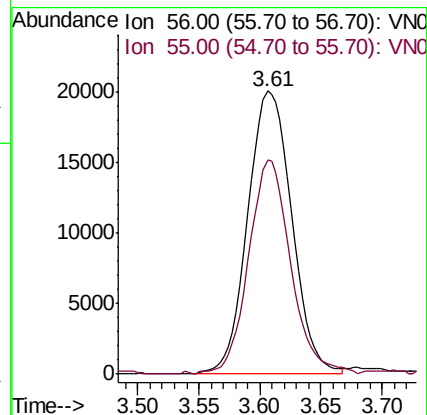
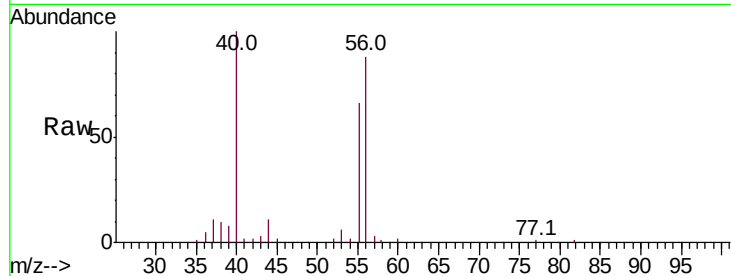
55 72.0 56.7 85.1

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#14

Allyl chloride

Concen: 22.017 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

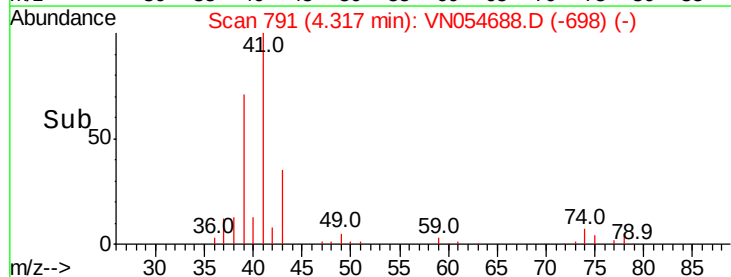
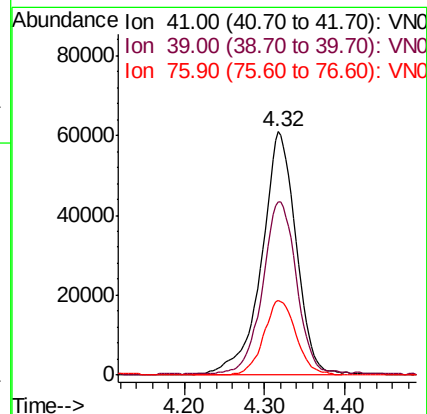
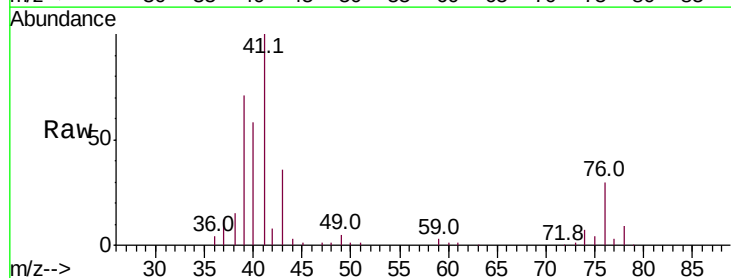
Tgt Ion: 41 Resp: 181119

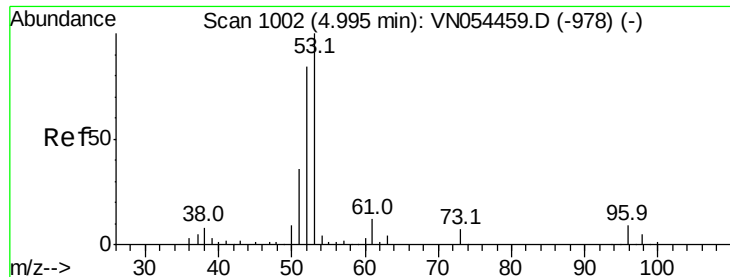
Ion Ratio Lower Upper

41 100

39 68.8 58.2 87.4

76 29.0 31.7 47.5#





#15

Acrylonitrile

Concen: 113.973 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

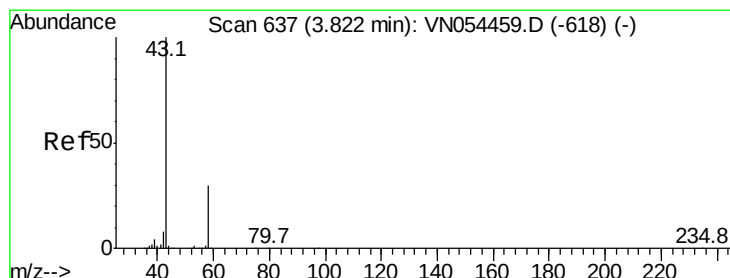
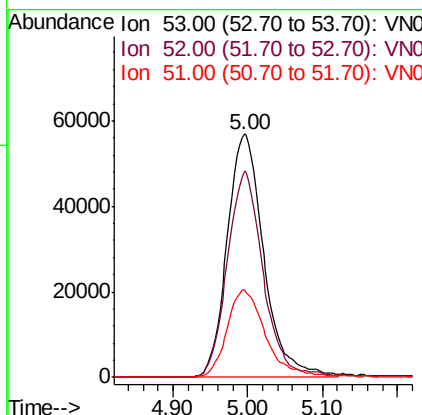
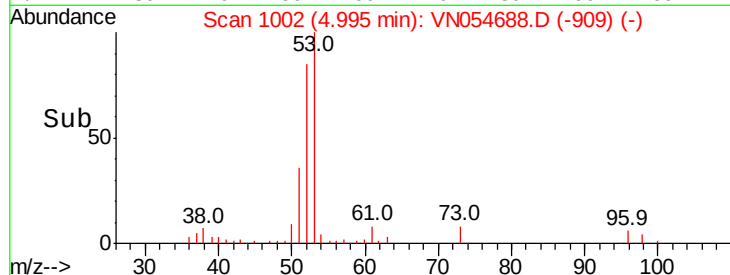
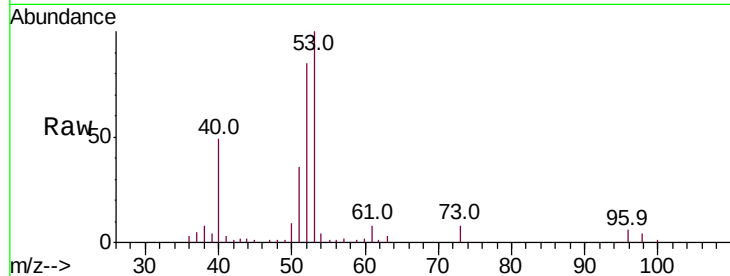
ClientSampleId :

VN0326WBS01

Tot Ion:	53	Resp:	193582
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.4	99.6
51	37.7	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 106.602 ug/l

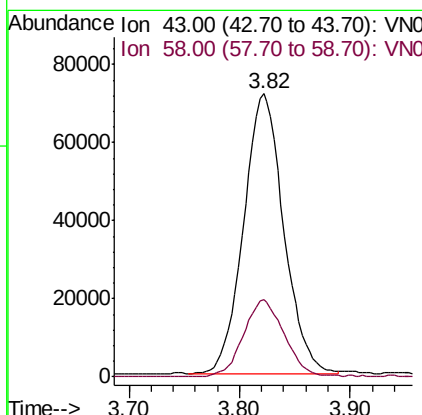
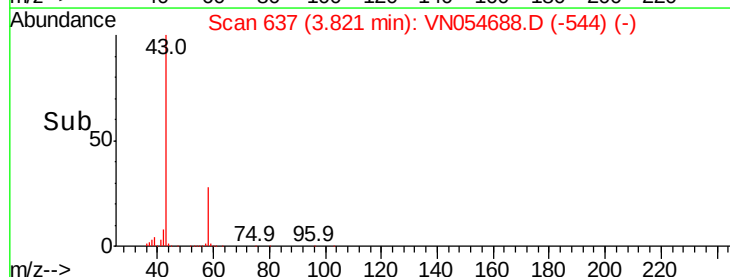
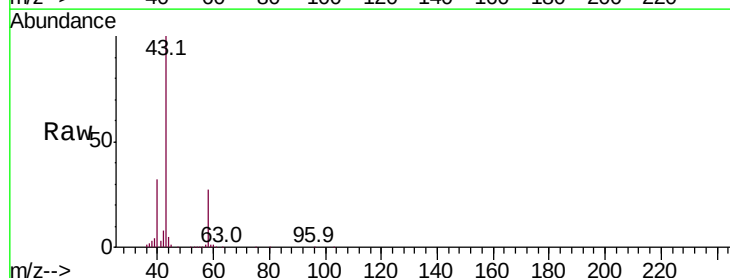
RT: 3.82 min Scan# 637

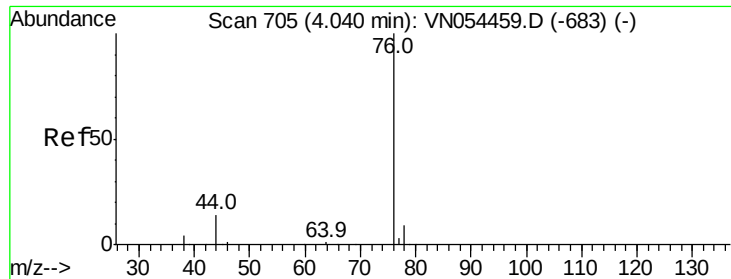
Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Tgt Ion:	43	Resp:	180557
Ion Ratio	Lower	Upper	
43	100		
58	27.6	29.9	44.9#





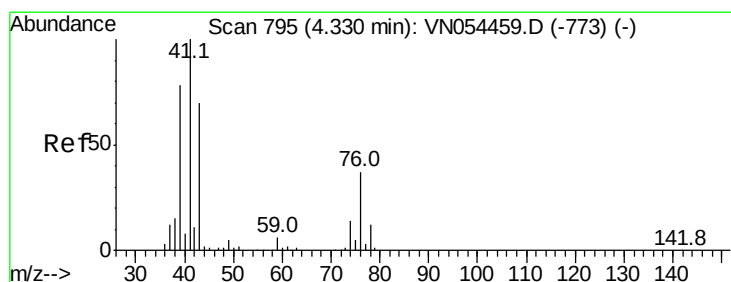
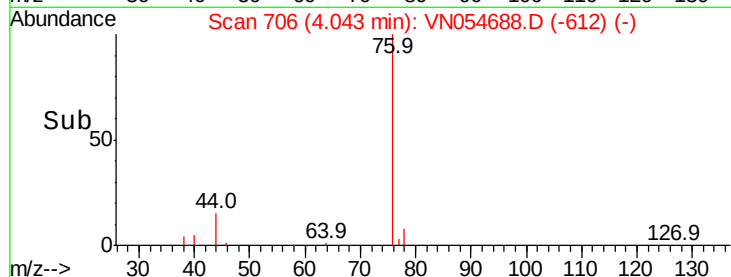
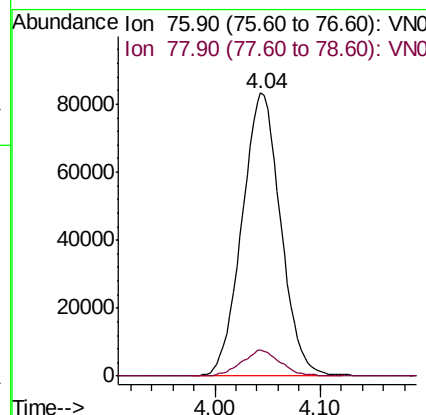
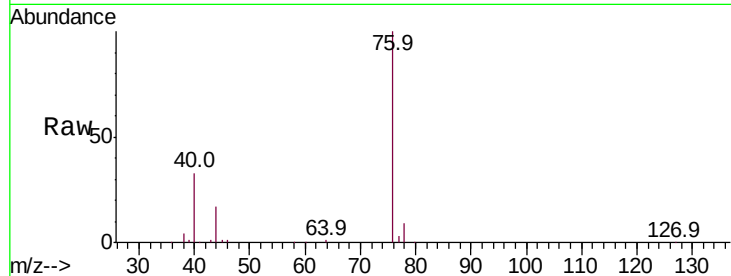
#17
Carbon Disulfide
Concen: 18.127 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

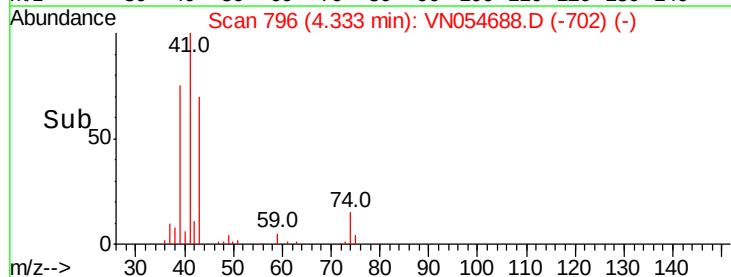
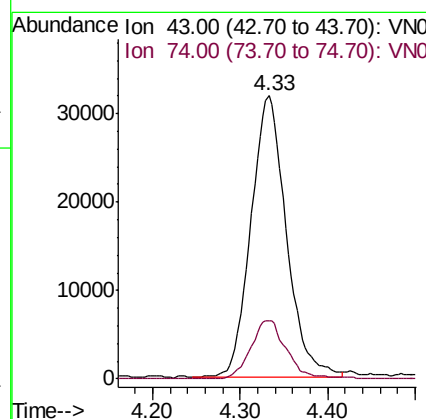
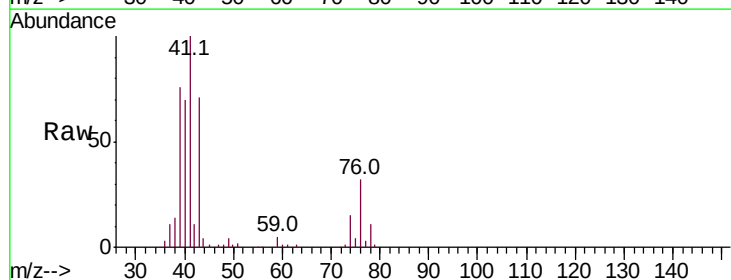
Manual Integrations
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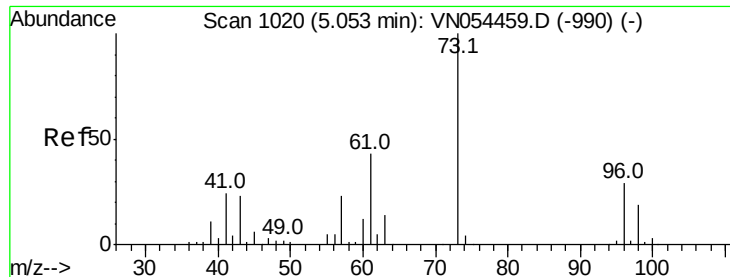
MMDadoda
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#18
Methyl Acetate
Concen: 23.761 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	20.8	31.2#





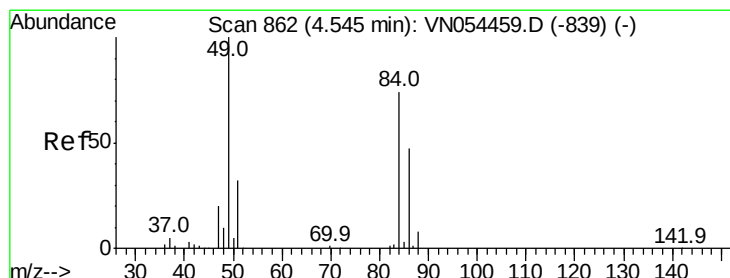
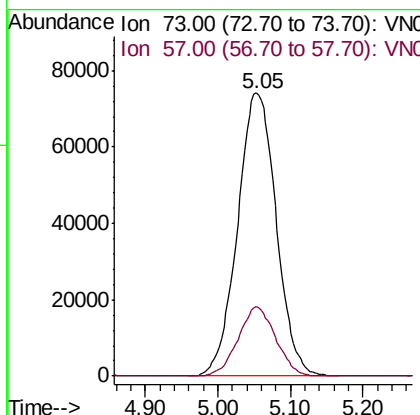
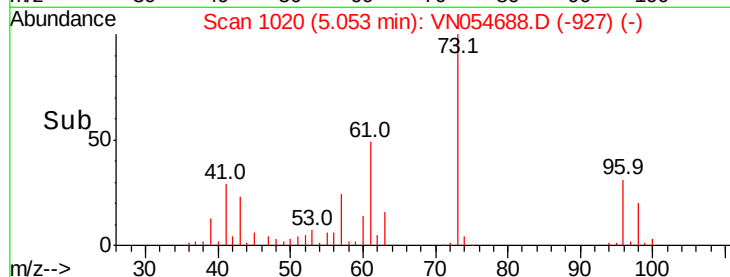
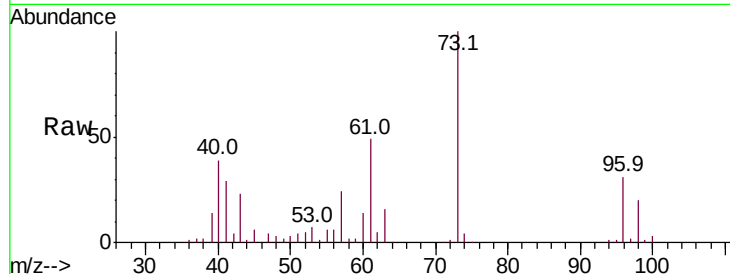
#19
Methyl tert-butyl Ether
Concen: 21.575 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion: 73 Resp: 275072
Ion Ratio Lower Upper
73 100
57 24.4 16.8 25.2

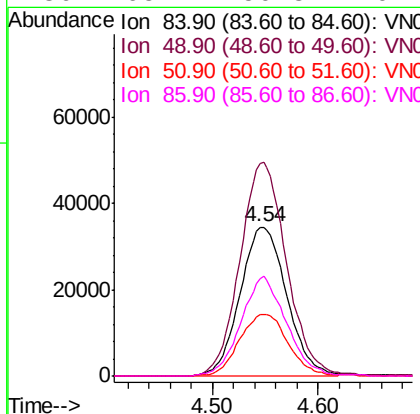
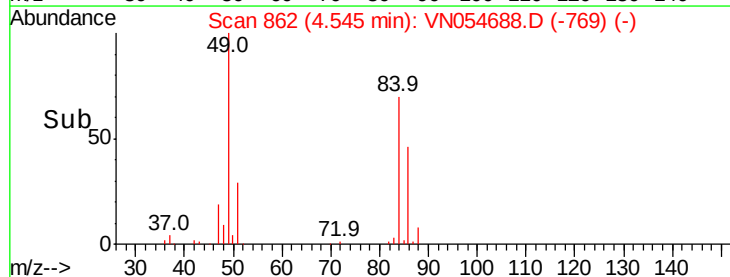
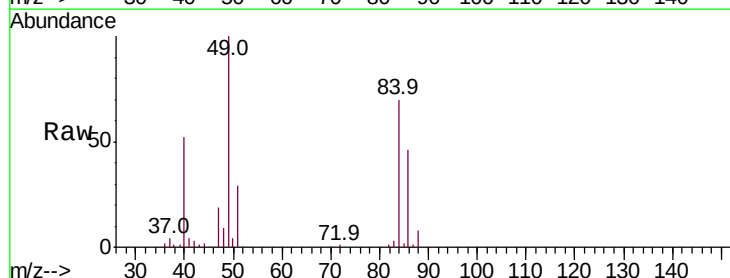
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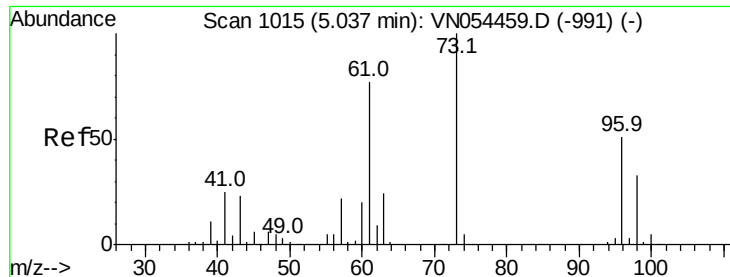
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#20
Methylene Chloride
Concen: 21.208 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 84 Resp: 105886
Ion Ratio Lower Upper
84 100
49 142.9 89.7 134.5#
51 41.1 28.2 42.4
86 65.7 50.8 76.2





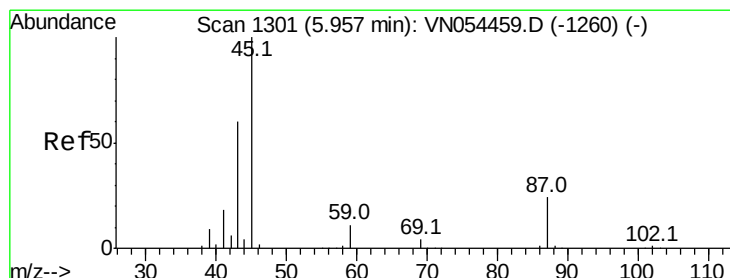
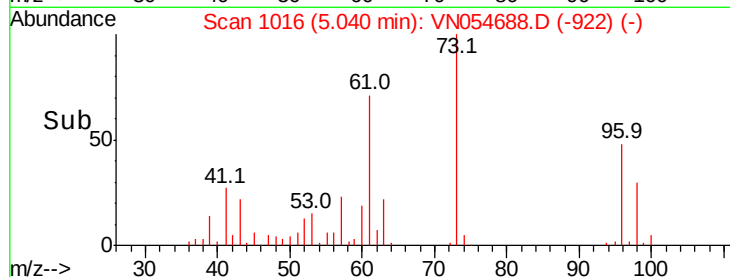
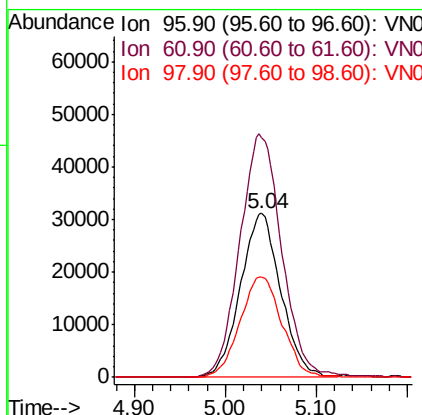
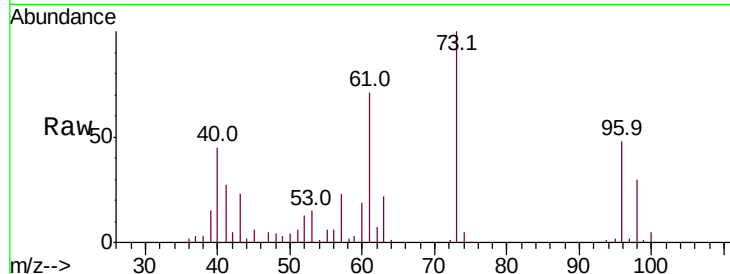
#21
trans-1,2-Dichloroethene
Concen: 21.560 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	102.8	154.2
98	61.4	50.0	75.0

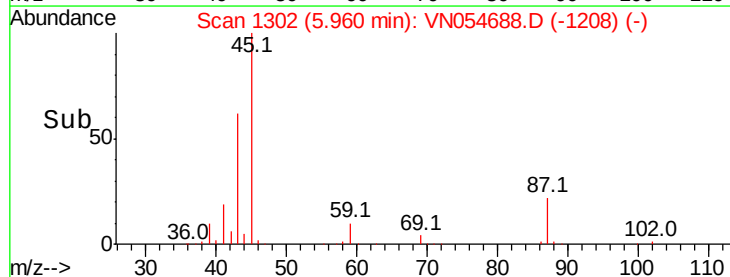
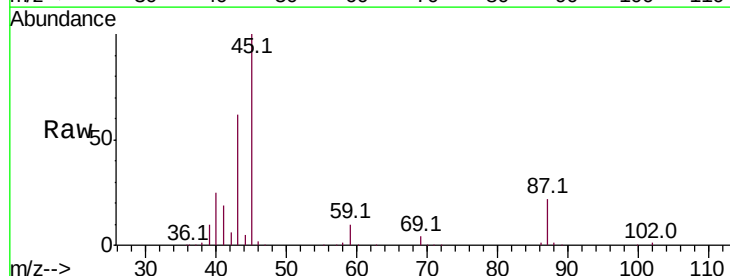
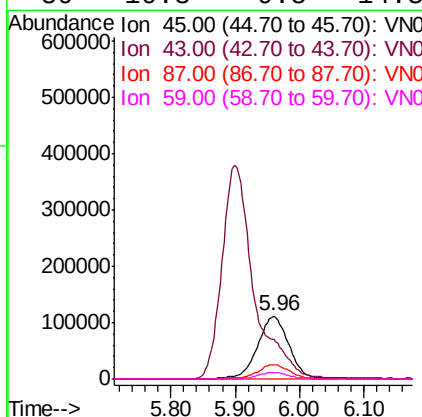
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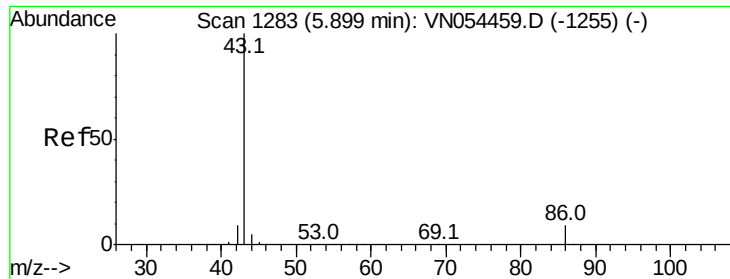
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#22
Diisopropyl ether
Concen: 23.257 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.9	48.2	72.2
87	22.1	24.9	37.3#
59	10.3	9.5	14.3





#23

Vinyl Acetate

Concen: 114.127 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBS01

Tot Ion: 43 Resp: 1307907

Ion Ratio Lower Upper

43 100

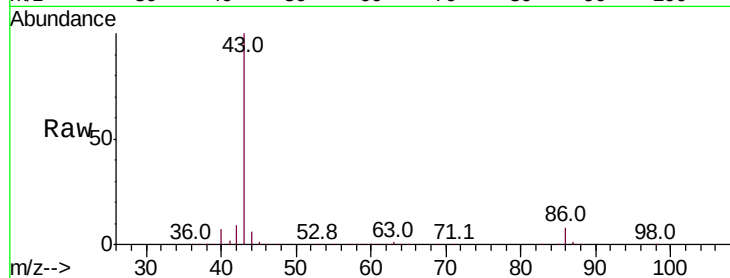
86 8.5 9.1 13.7#

Manual Integrations

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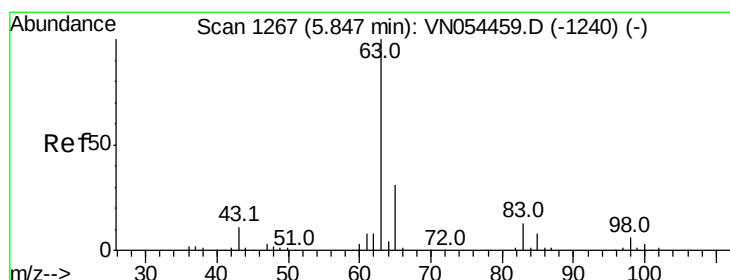
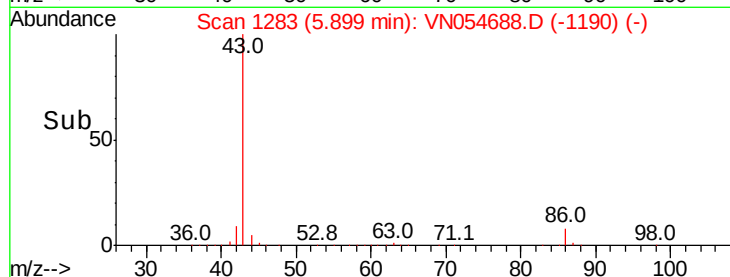
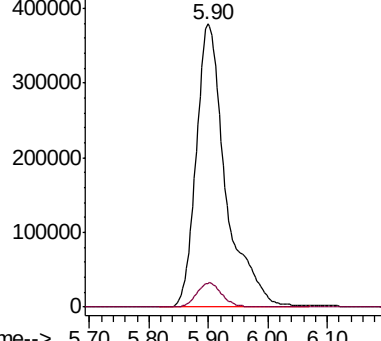
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 23.036 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

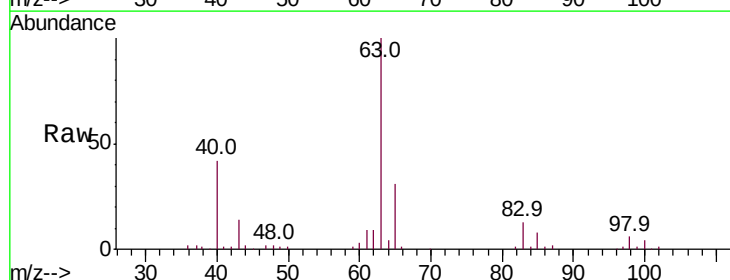
Tgt Ion: 63 Resp: 201259

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

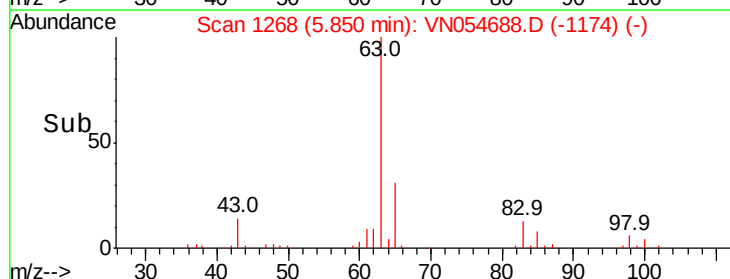
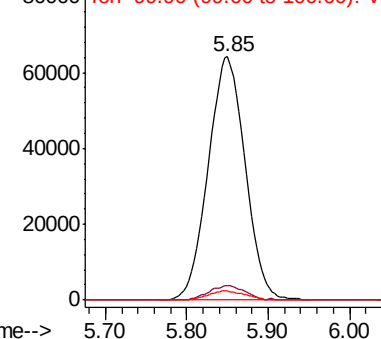
100 4.0 2.0 6.0

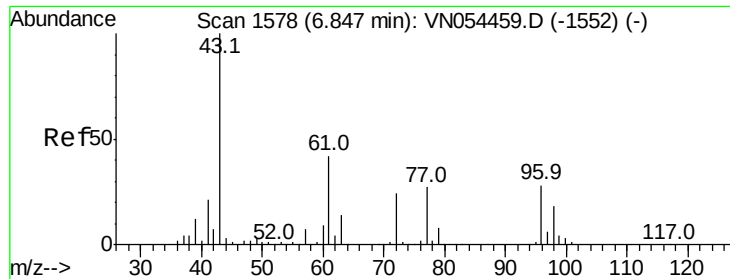


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 118.392 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBS01

Tot Ion: 43 Resp: 256873

Ion Ratio Lower Upper

43 100

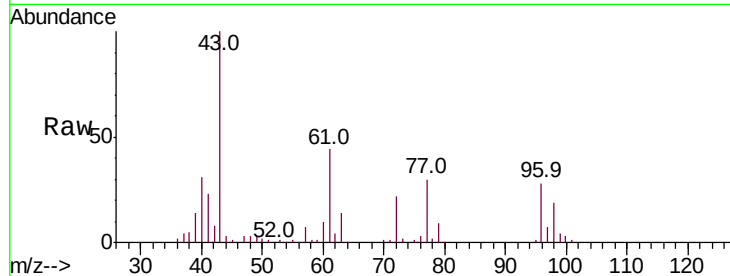
72 21.7 23.0 34.6#

Manual Integrations

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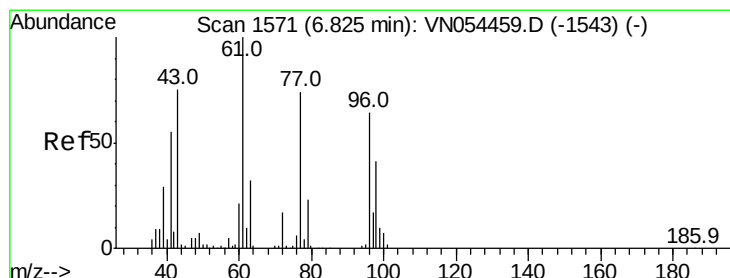
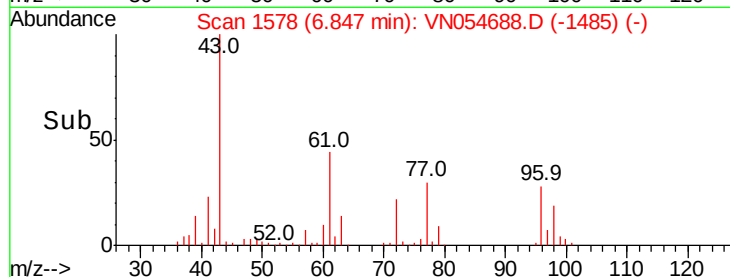
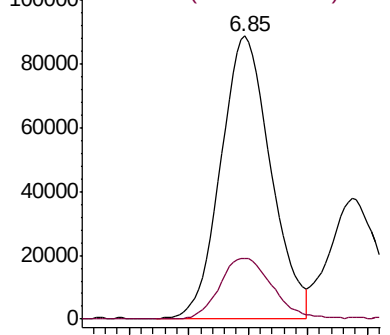
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3/27/2019 9:10:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 22.656 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054688.D

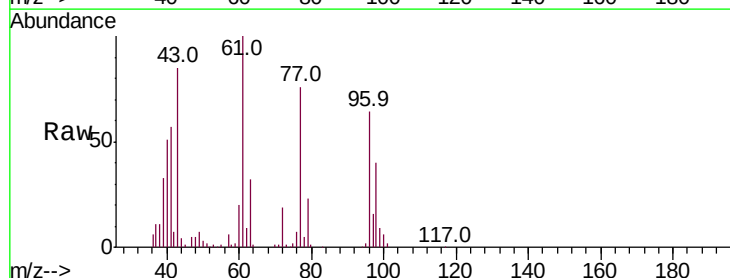
Acq: 26 Mar 2019 10:35

Tgt Ion: 77 Resp: 141101

Ion Ratio Lower Upper

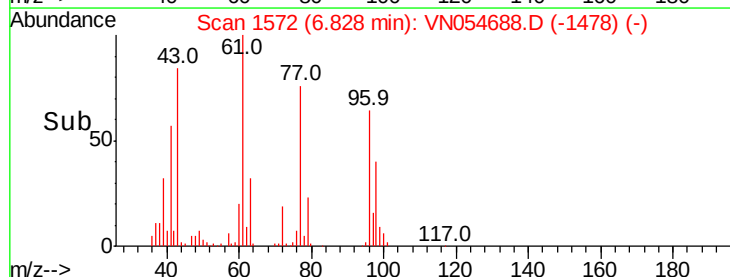
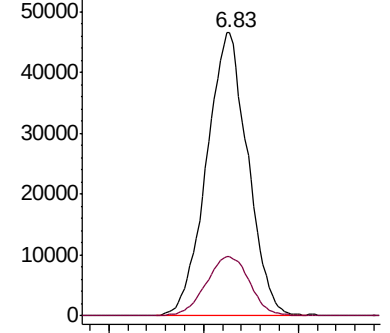
77 100

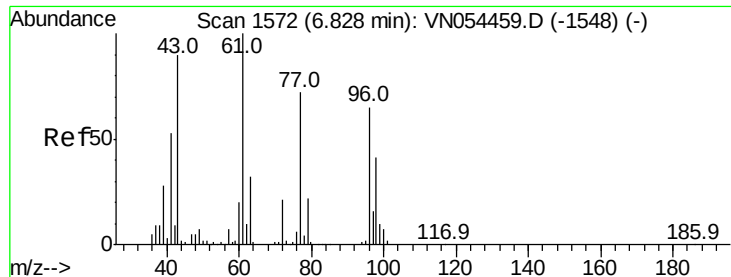
97 22.1 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 21.229 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

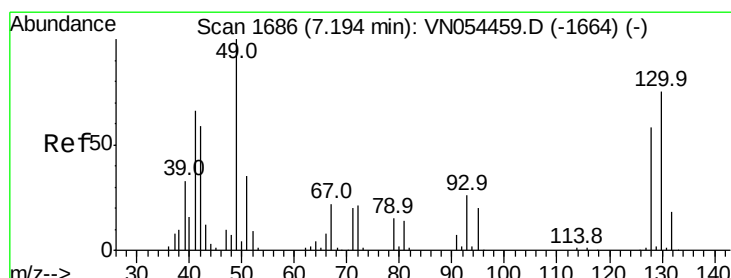
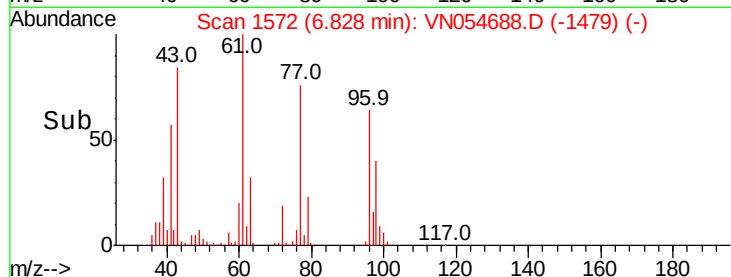
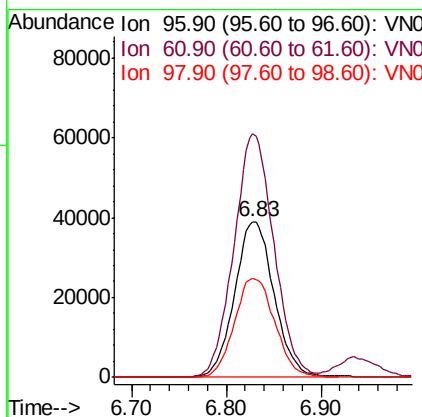
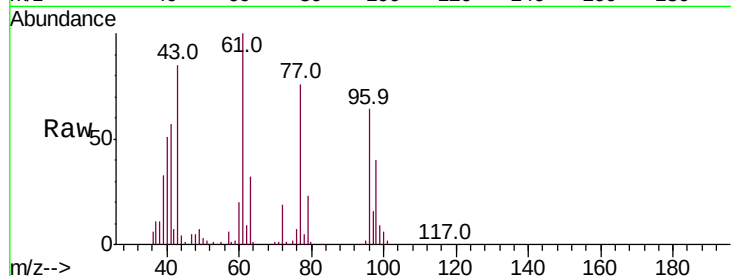
ClientSampleId :

VN0326WBS01

Tot Ion:	96	Resp:	112952
Ion	Ratio	Lower	Upper
96	100		
61	158.5	0.0	273.0
98	65.2	0.0	130.6

Manual Integrations
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3/27/2019 9:10:09 AM



#28

Bromochloromethane

Concen: 24.067 ug/l

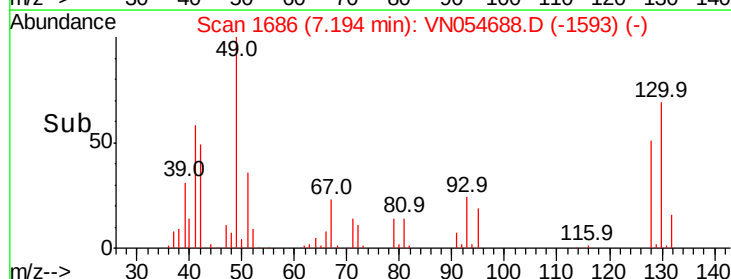
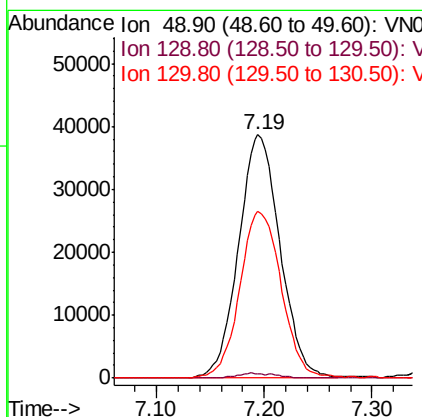
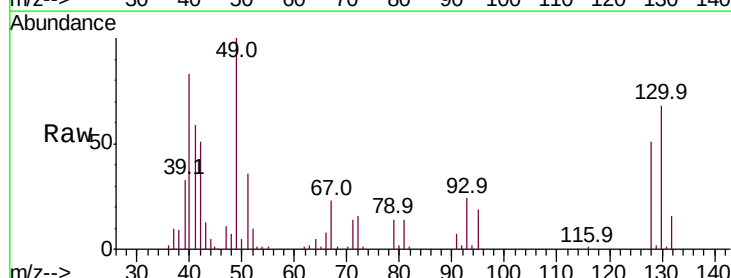
RT: 7.19 min Scan# 1686

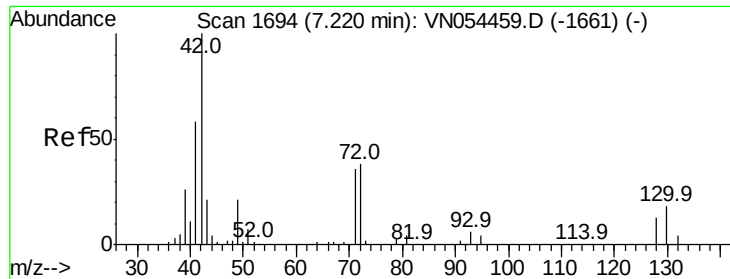
Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Tgt Ion:	49	Resp:	103496
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	68.6	76.7	115.1#





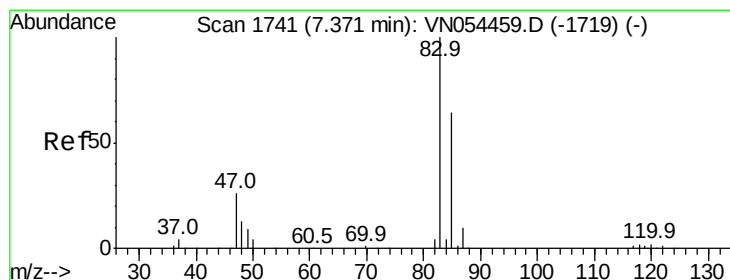
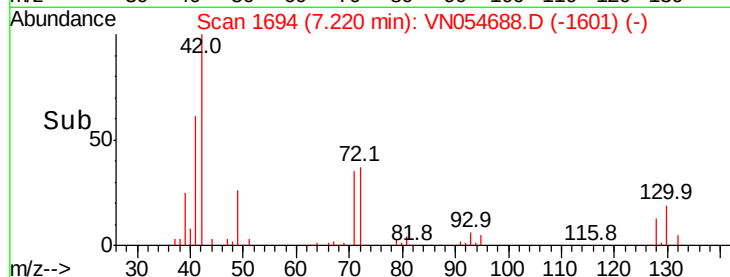
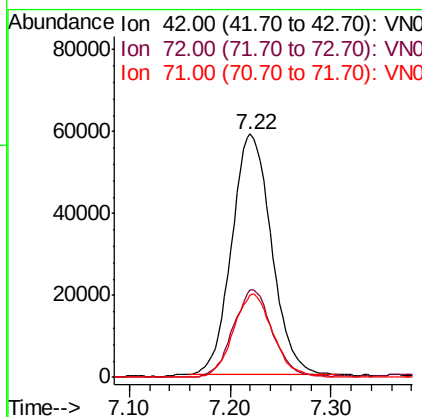
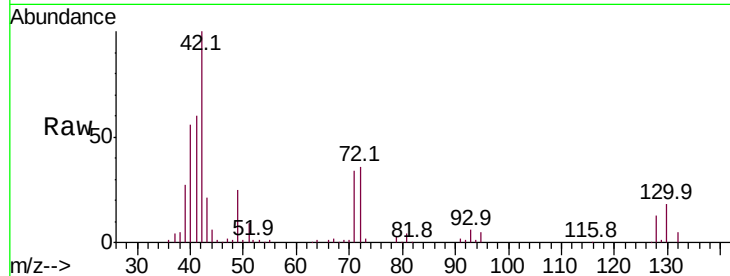
#29
Tetrahydrofuran
Concen: 114.404 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	37.8	56.6#
71	34.5	36.2	54.2#

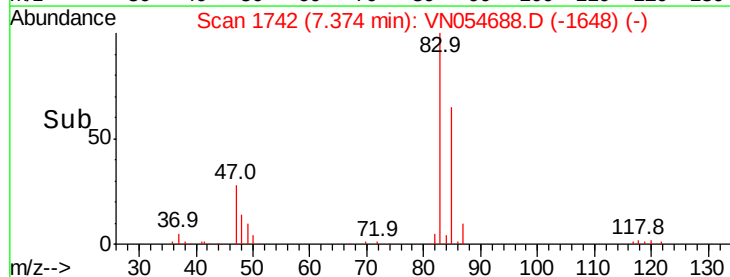
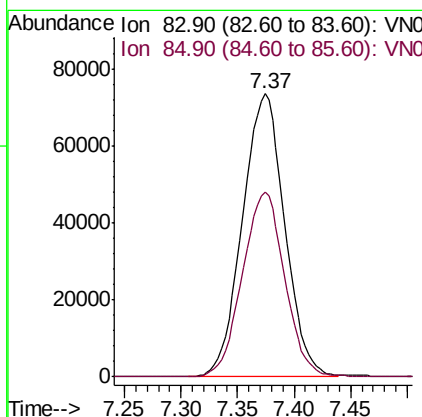
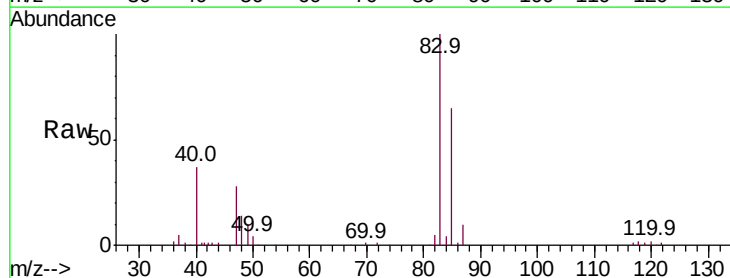
Manual Integrations
APPROVED

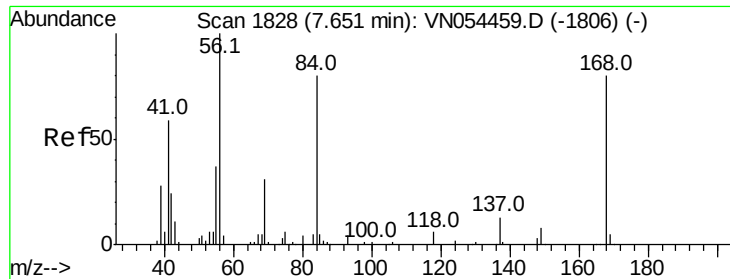
MMDadoda
3/27/2019 9:10:09 AM



#30
Chloroform
Concen: 22.418 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





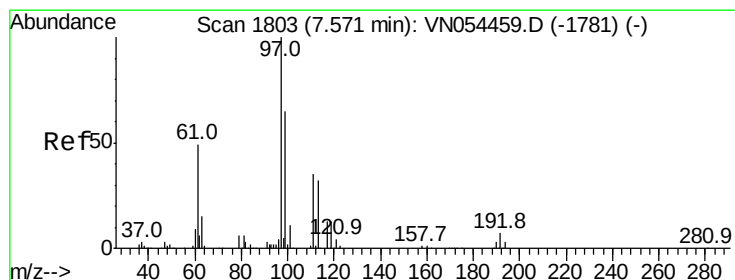
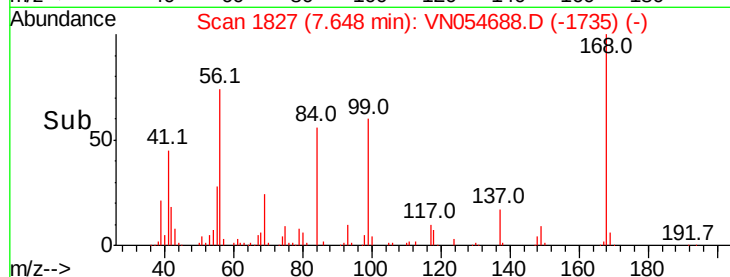
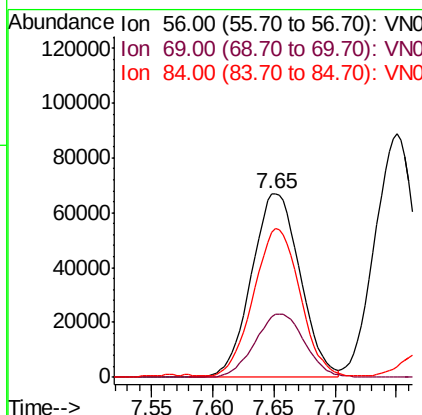
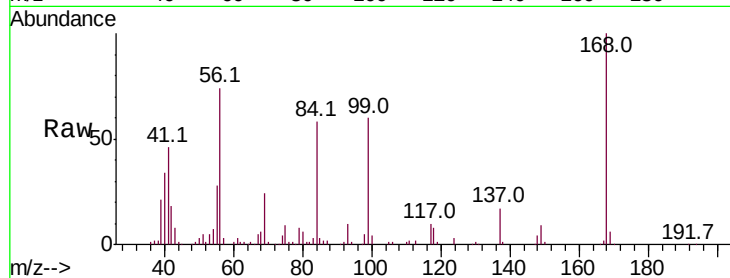
#31
Cyclohexane
Concen: 21.026 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VN0326WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	27.8	41.6
84	77.4	74.6	111.8

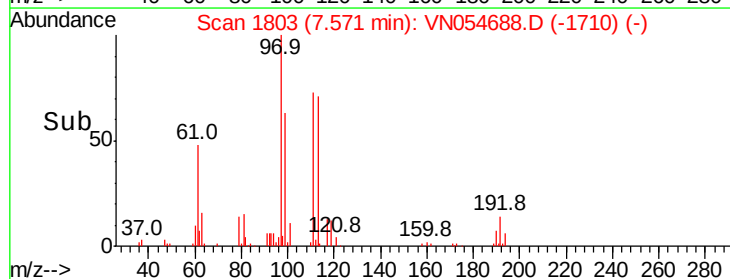
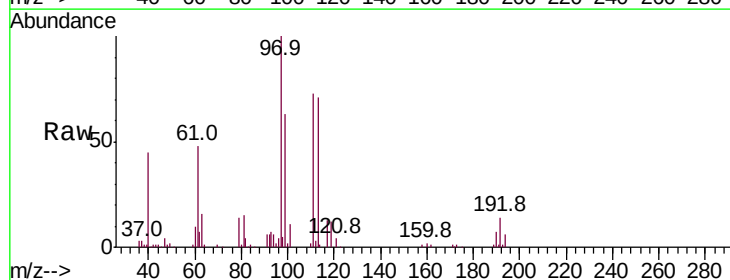
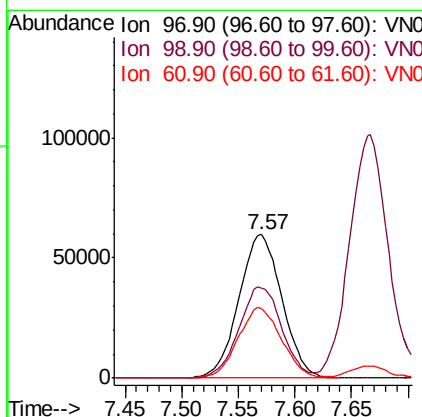
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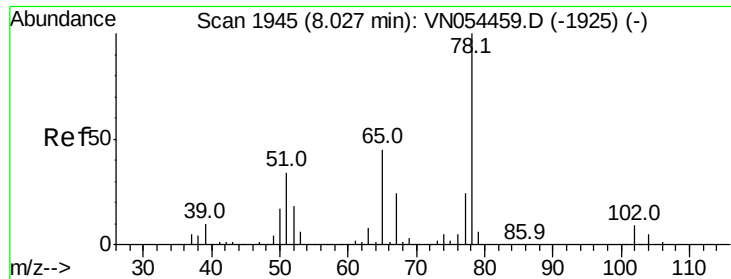
MMDadoda
3/27/2019 9:10:09 AM



#32
1,1,1-Trichloroethane
Concen: 22.441 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.5	77.3
61	49.5	33.6	50.4





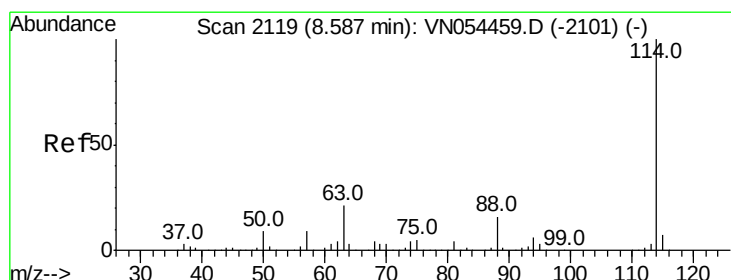
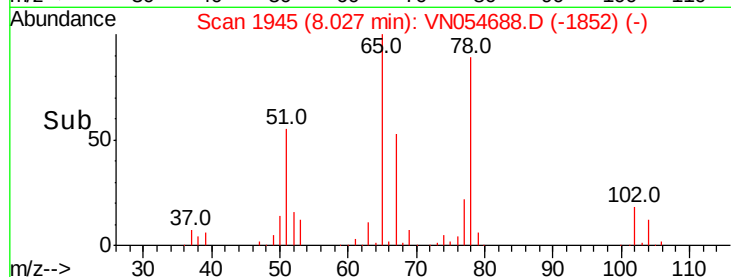
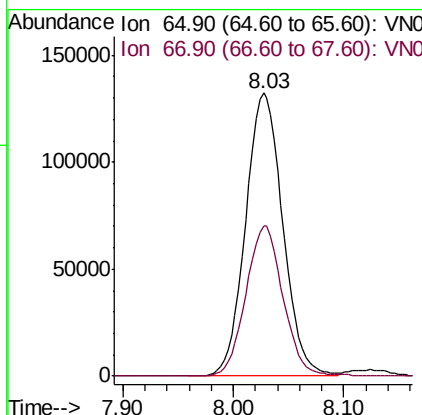
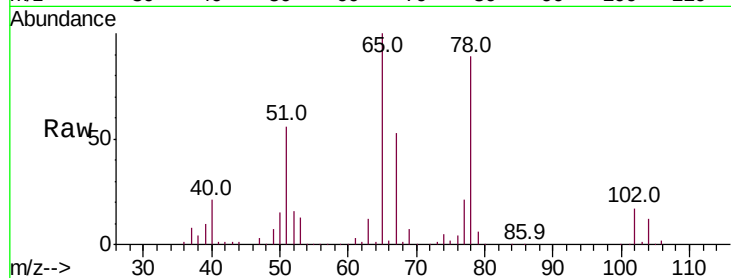
#33
 1,2-Dichloroethane-d4
 Concen: 54.931 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	309456		
67	53.0	0.0	104.6	

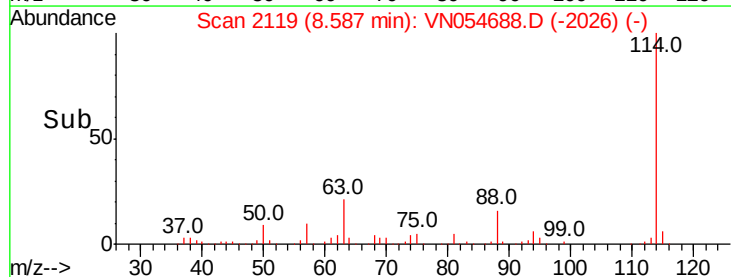
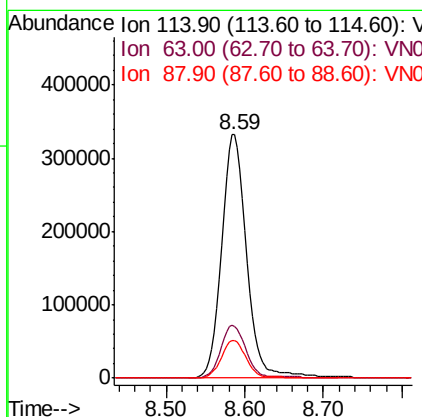
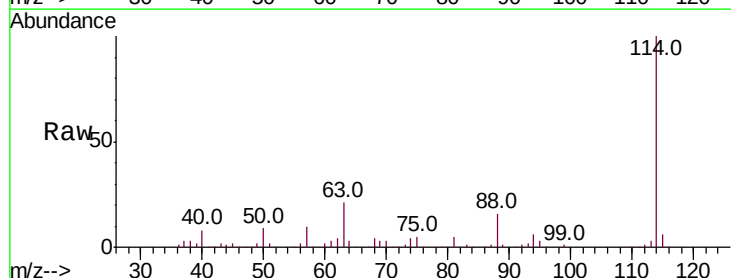
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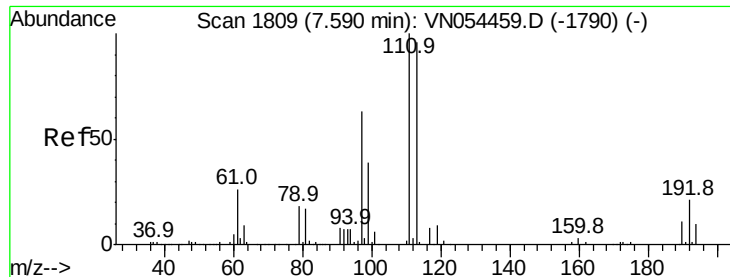
MMDadoda
 3/27/2019 9:10:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	728599		
63	21.4	0.0	35.2	
88	15.5	0.0	30.2	





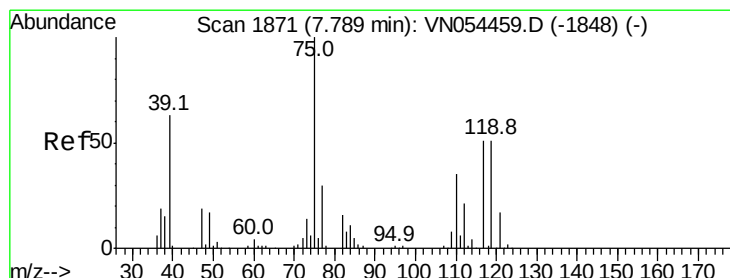
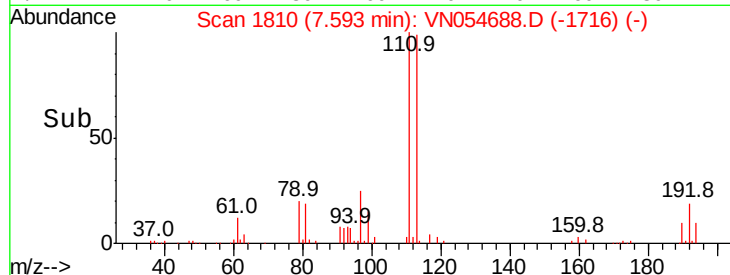
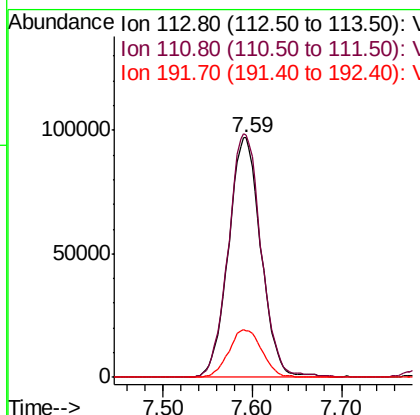
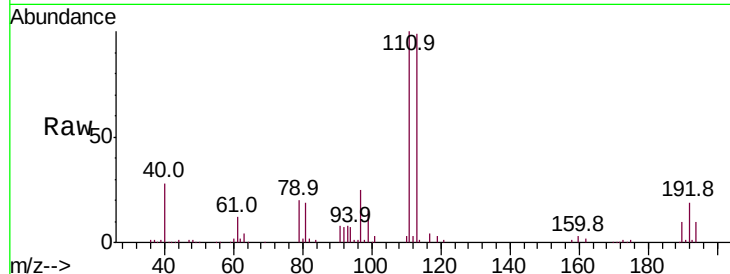
#35
 Dibromofluoromethane
 Concen: 52.062 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0326WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	244376		
111	102.2		82.2	123.4
192	20.3		19.2	28.8

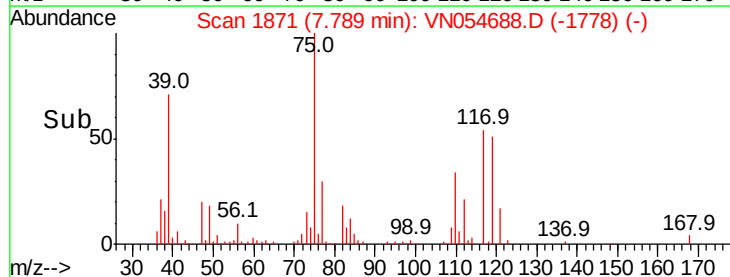
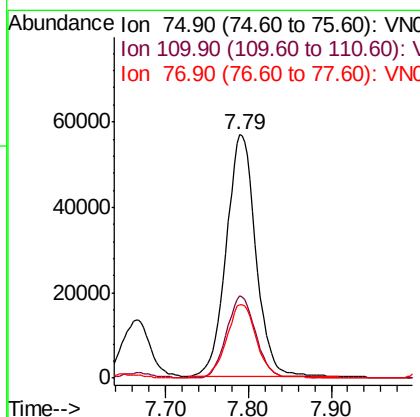
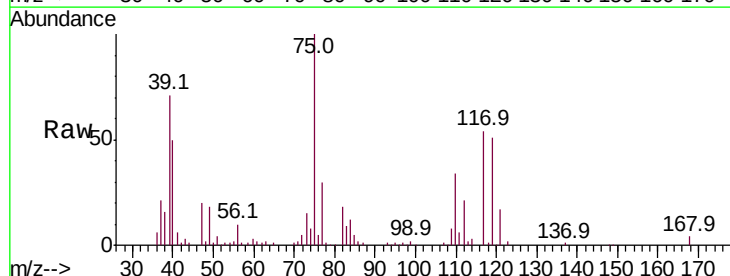
Manual Integrations
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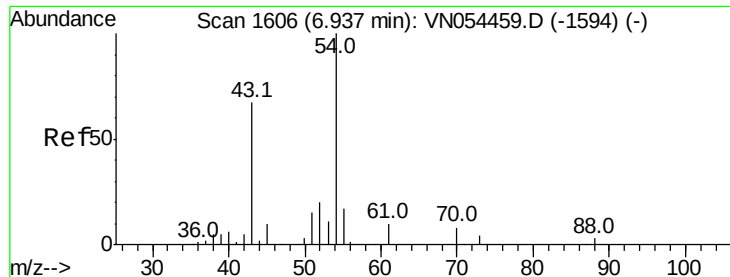
MMDadoda
 3/27/2019 9:10:09 AM



#36
 1,1-Dichloropropene
 Concen: 20.726 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	141193		
110	33.2		19.1	57.5
77	31.0		25.0	37.4





#37

Ethyl Acetate

Concen: 22.172 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

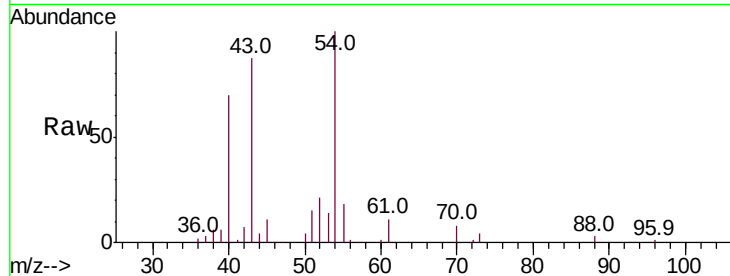
VN0326WBS01

Tot Ion: 43 Resp: 107428

Ion	Ratio	Lower	Upper
43	100		
61	12.6	11.8	17.6
70	4.7	8.4	12.6

Manual Integrations
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MMDadoda
3/27/2019 9:10:09 AM

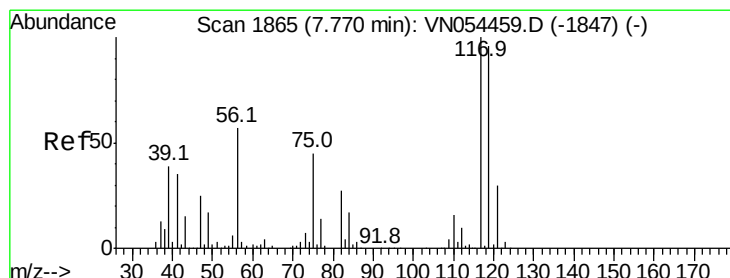
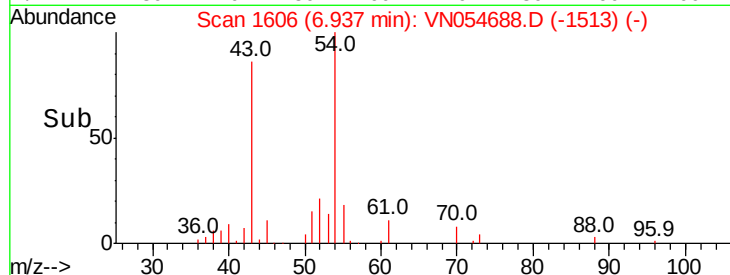
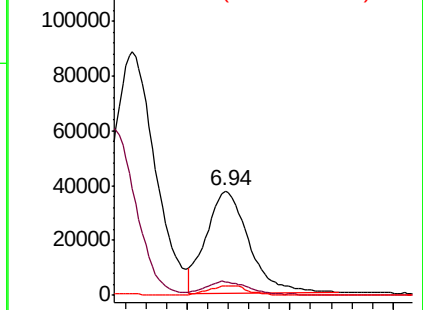


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 20.330 ug/l

RT: 7.77 min Scan# 1866

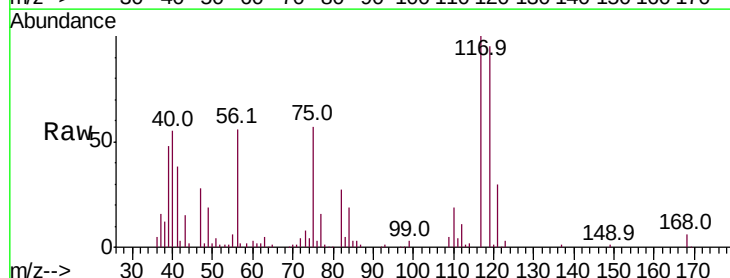
Delta R.T. 0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Tgt Ion: 117 Resp: 134589

Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.3	114.5
121	30.1	24.6	36.8

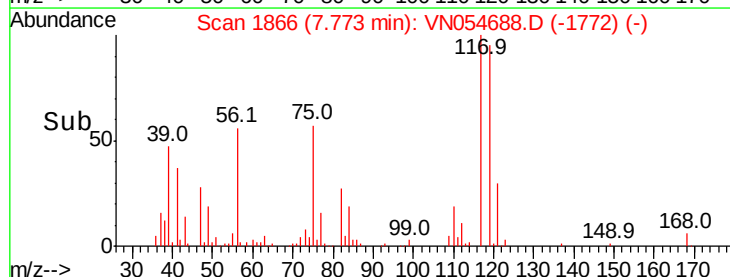
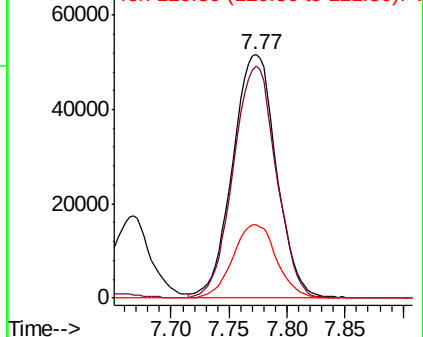


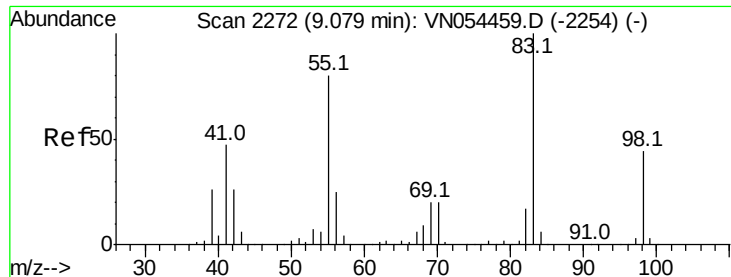
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





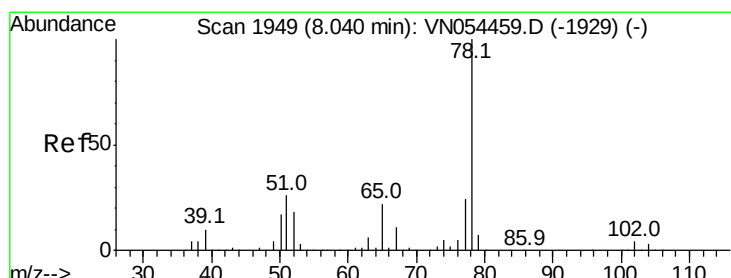
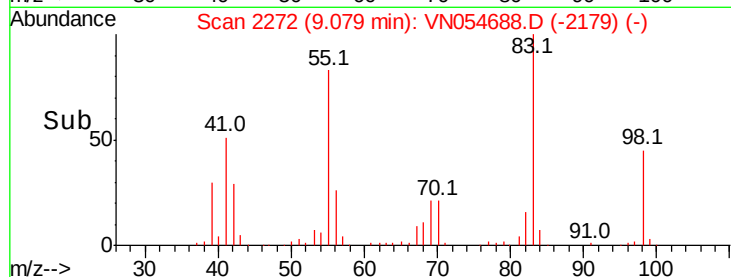
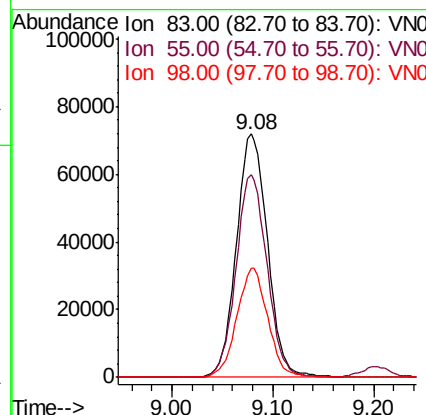
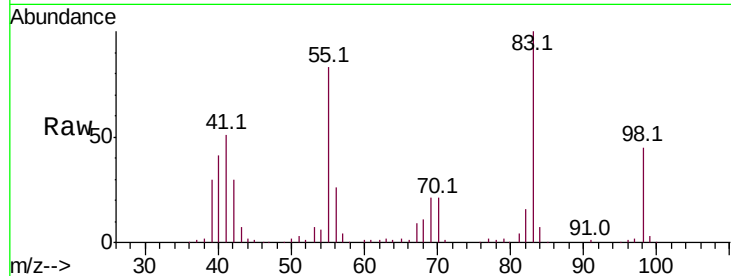
#39
Methylvlcyclohexane
Concen: 19.786 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	56.6	84.8
98	44.9	38.4	57.6

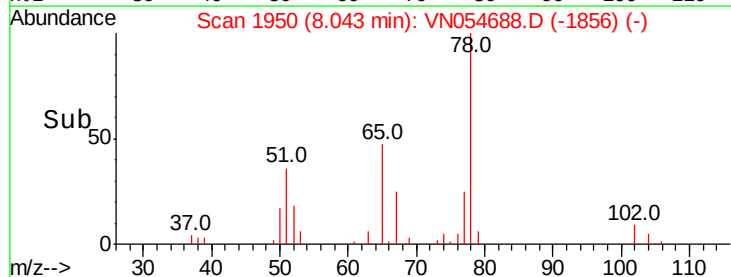
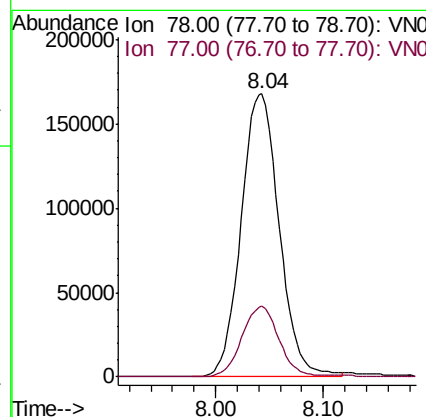
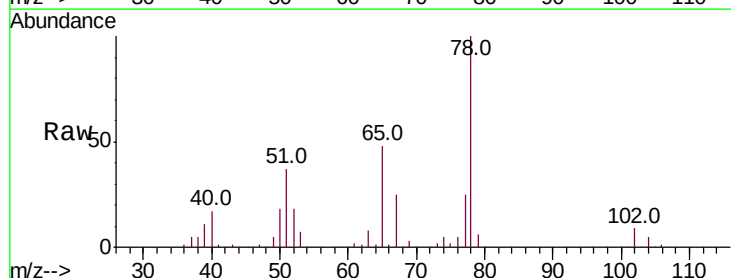
Manual Integrations
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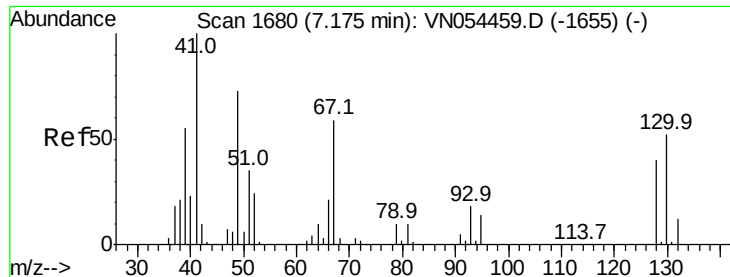
MMDadoda
3/27/2019 9:10:09 AM



#40
Benzene
Concen: 21.195 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.1	28.7





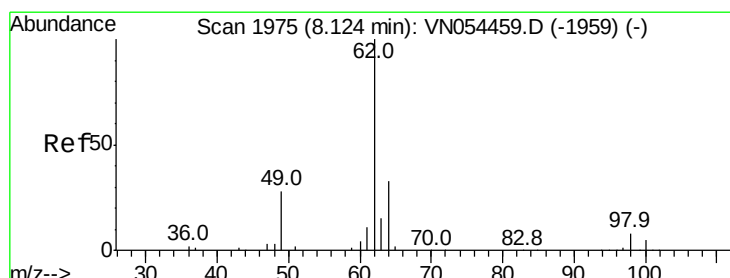
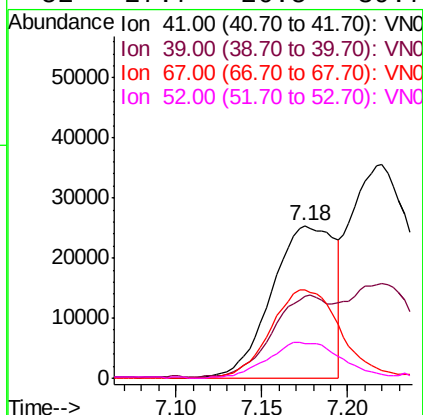
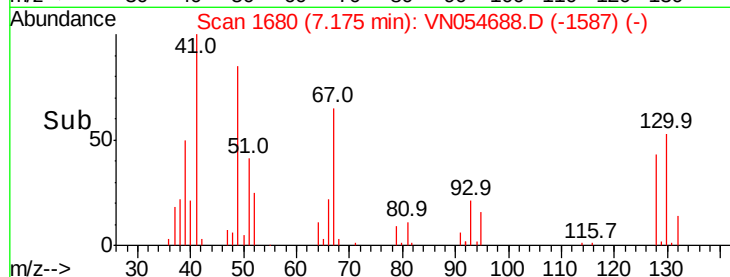
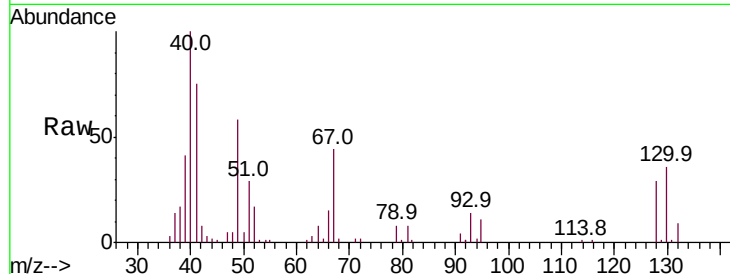
#41
Methacrylonitrile
Concen: 21.958 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	47.7	46.8	70.2	
67	65.5	67.0	100.4#	
52	27.7	26.5	39.7	

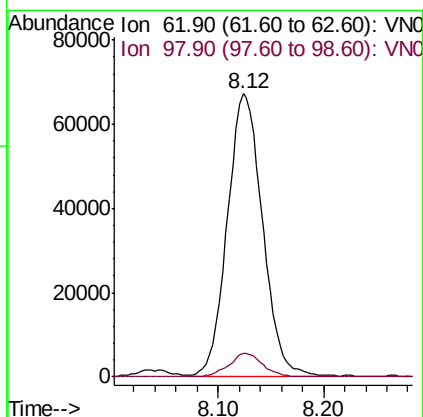
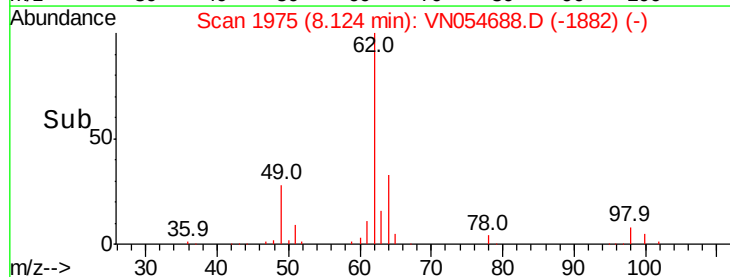
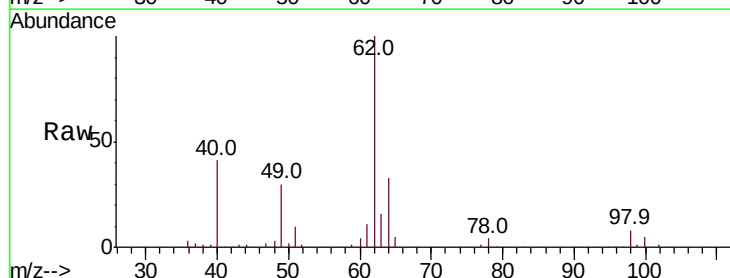
Manual Integrations
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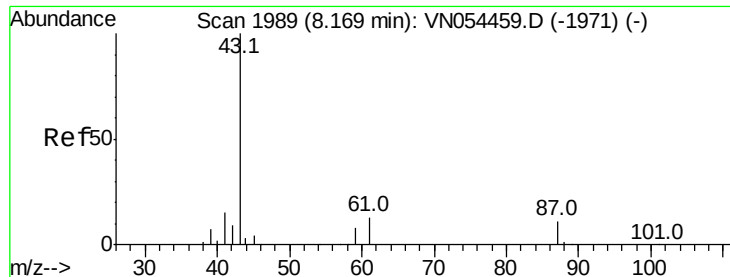
MMDadoda
3/27/2019 9:10:09 AM



#42
1,2-Dichloroethane
Concen: 21.876 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	18.4	





#43

Isopropyl Acetate

Concen: 21.846 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

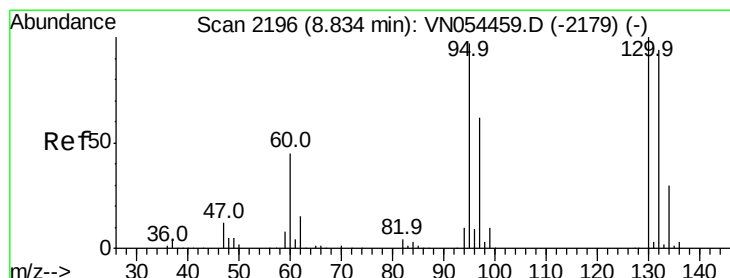
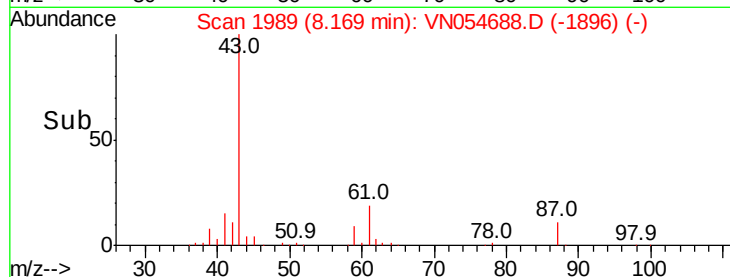
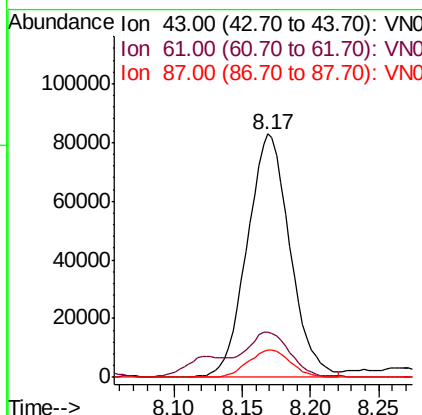
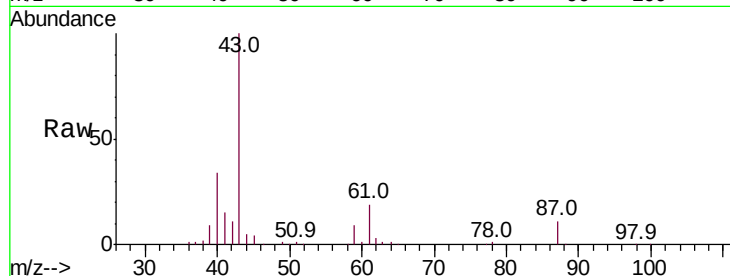
ClientSampleId :

VN0326WBS01

Tot Ion:	43	Resp:	178766
Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.8	23.8
87	11.4	12.0	18.0#

Manual Integrations
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MMDadoda
3/27/2019 9:10:09 AM



#44

Trichloroethene

Concen: 20.638 ug/l

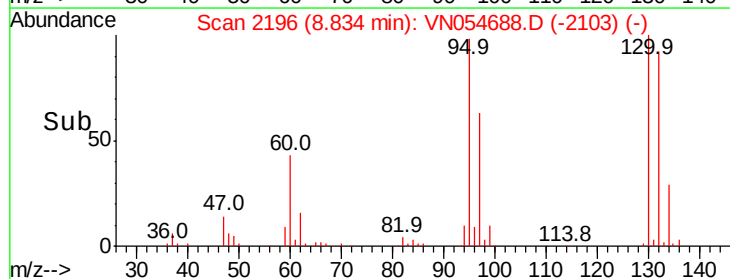
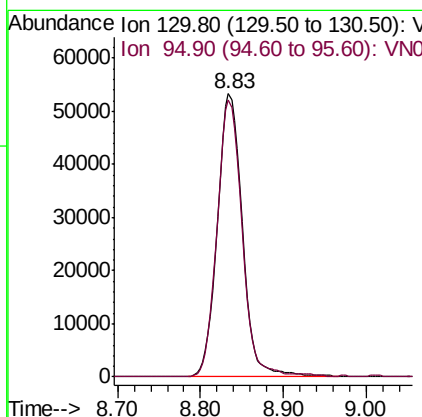
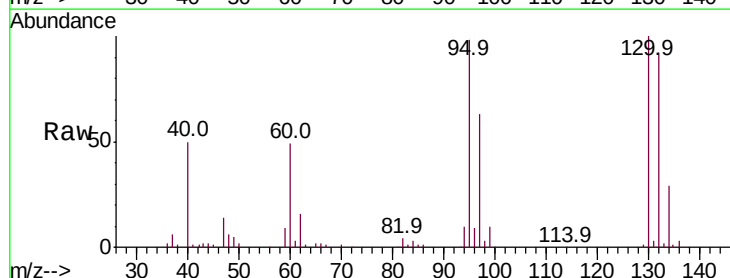
RT: 8.83 min Scan# 2196

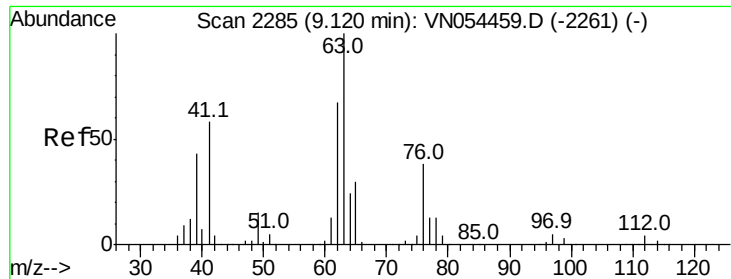
Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Tgt Ion:	130	Resp:	111774
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	185.2





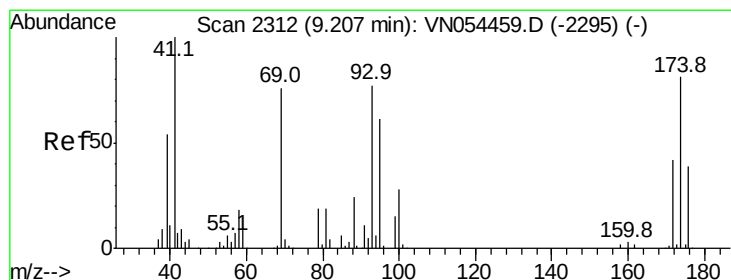
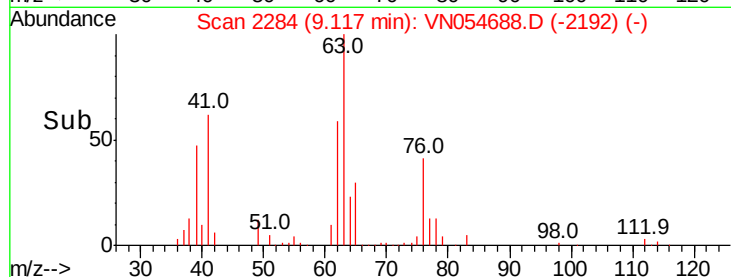
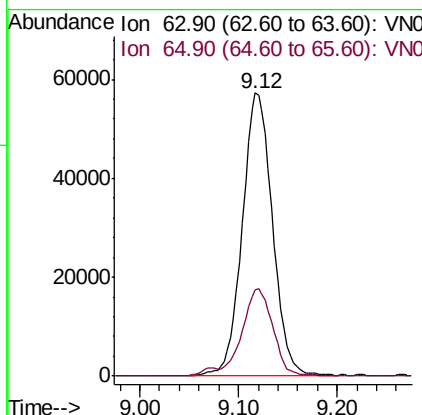
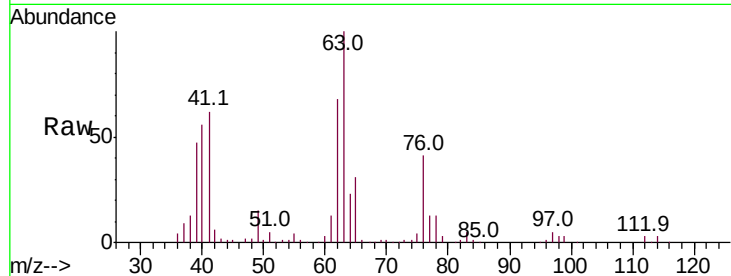
#45
 1,2-Dichloropropane
 Concen: 23.220 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBS01

Tot Ion: 63 Resp: 121464
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

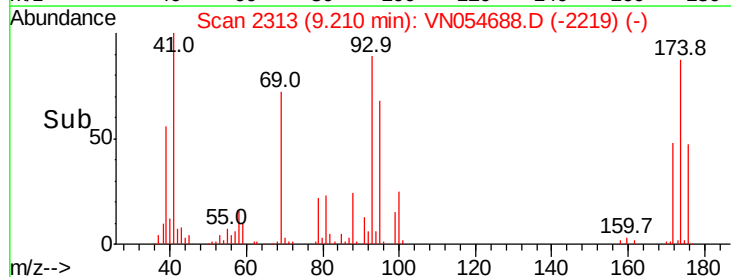
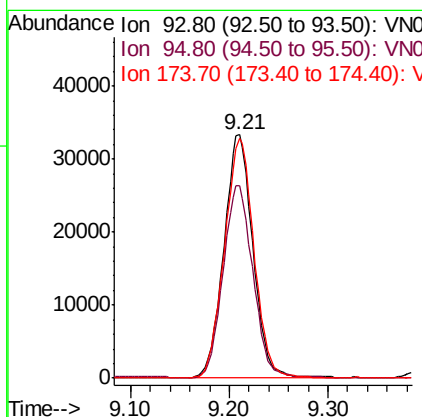
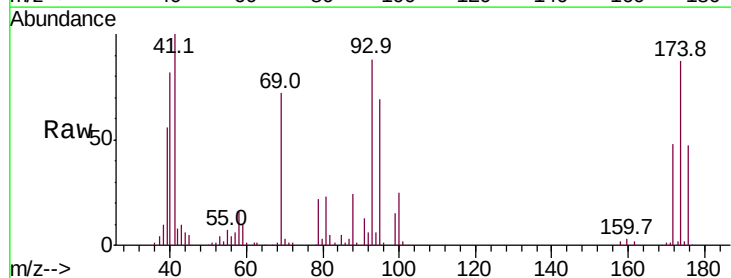
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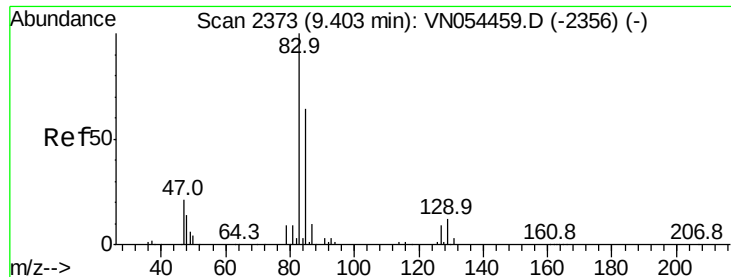
MMDadoda
 3/27/2019 9:10:09 AM



#46
 Dibromomethane
 Concen: 22.056 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Tgt Ion: 93 Resp: 68828
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.7 100.1
 174 99.7 98.5 147.7





#47

Bromodichloromethane

Concen: 22.070 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

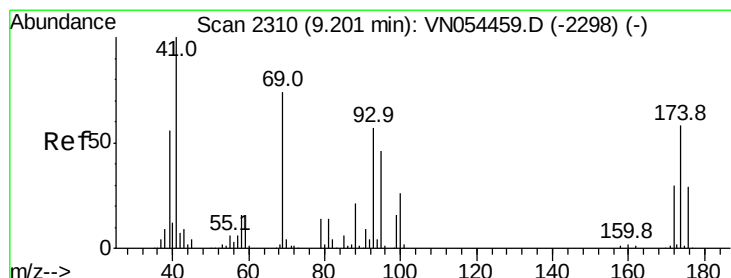
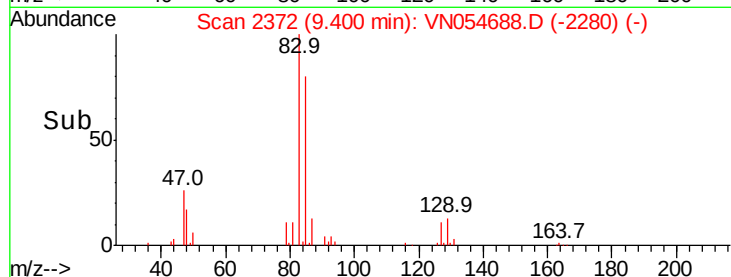
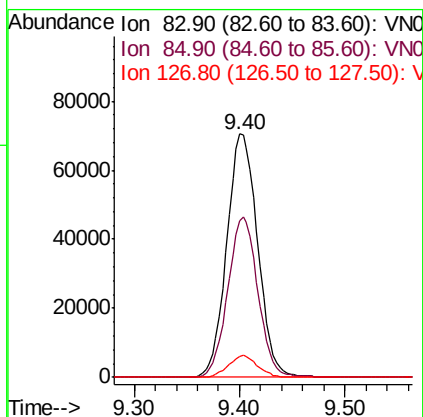
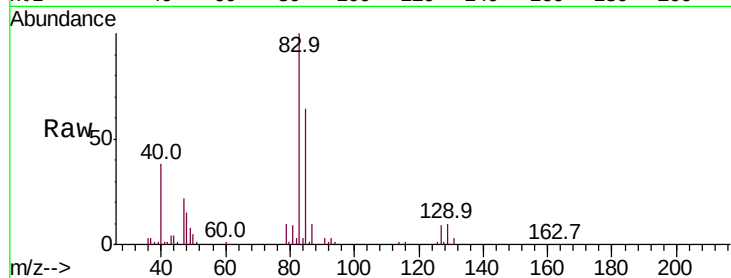
ClientSampleId :

VN0326WBS01

Tot Ion:	83	Resp:	142935
Ion Ratio	Lower	Upper	
83	100		
85	64.1	52.8	79.2
127	8.7	7.4	11.2

Manual Integrations
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MMDadoda
3/27/2019 9:10:09 AM



#48

Methyl methacrylate

Concen: 20.904 ug/l

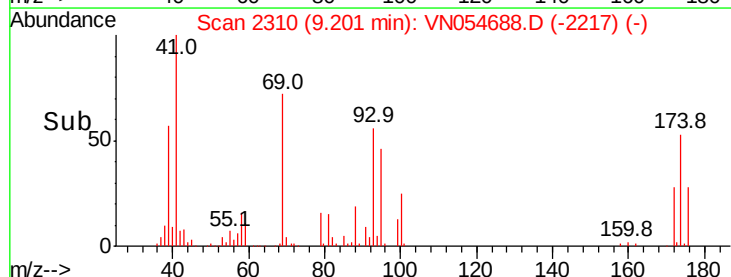
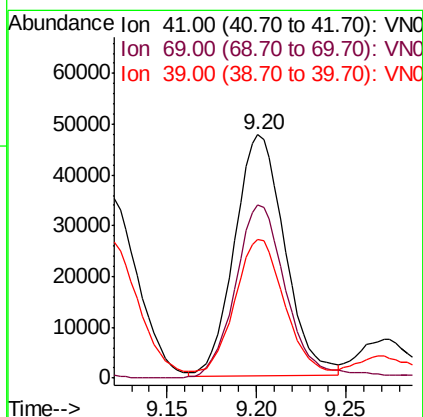
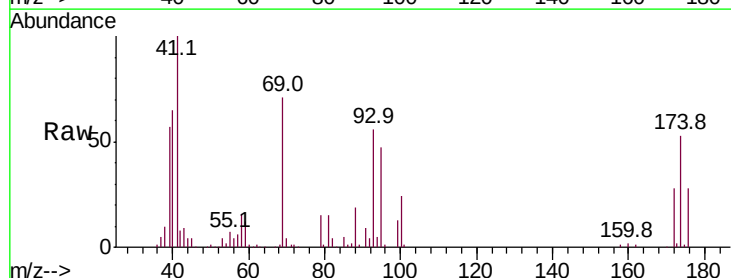
RT: 9.20 min Scan# 2310

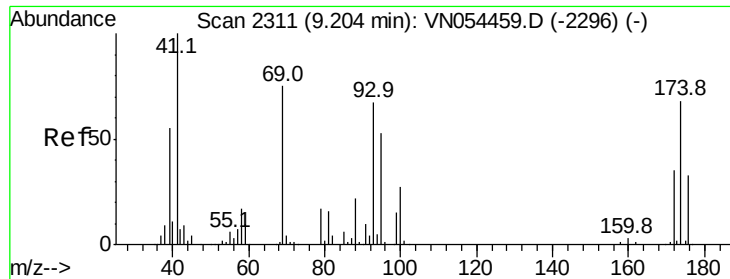
Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Tgt Ion:	41	Resp:	92844
Ion Ratio	Lower	Upper	
41	100		
69	74.2	72.6	108.8
39	56.7	47.5	71.3





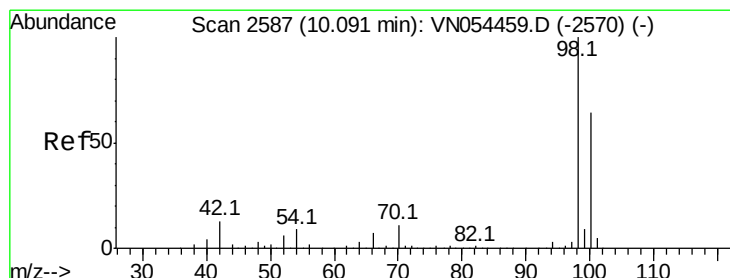
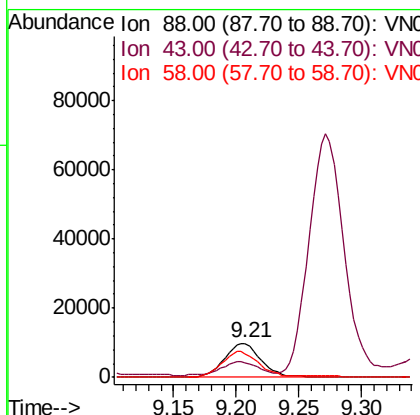
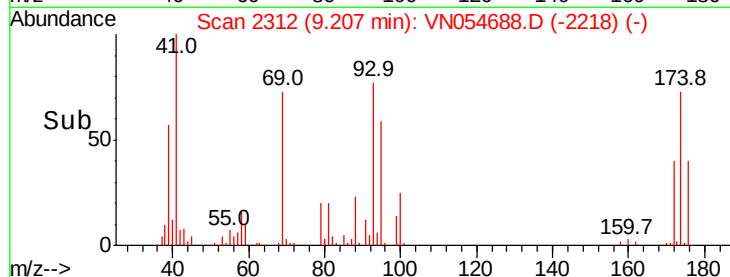
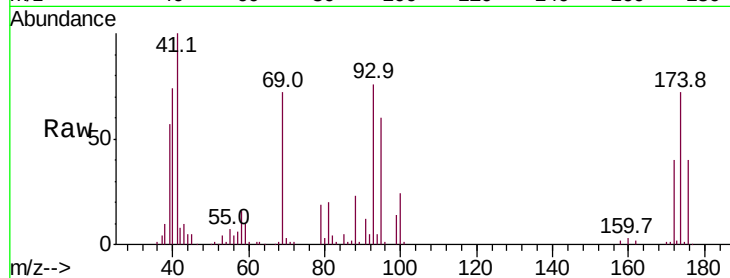
#49
1,4-Dioxane
Concen: 404.251 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion: 88 Resp: 20072
Ion Ratio Lower Upper
88 100
43 39.7 24.1 36.1#
58 77.1 50.8 76.2#

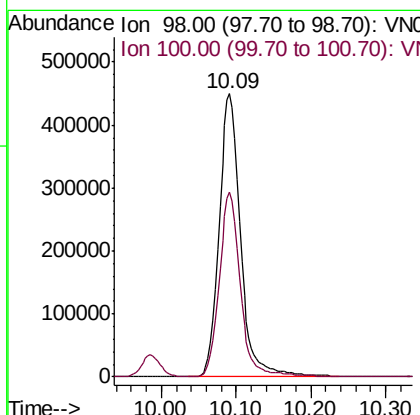
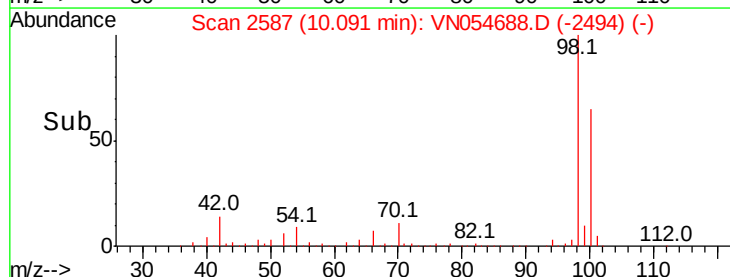
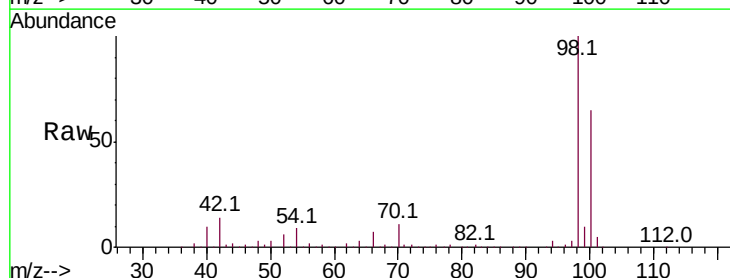
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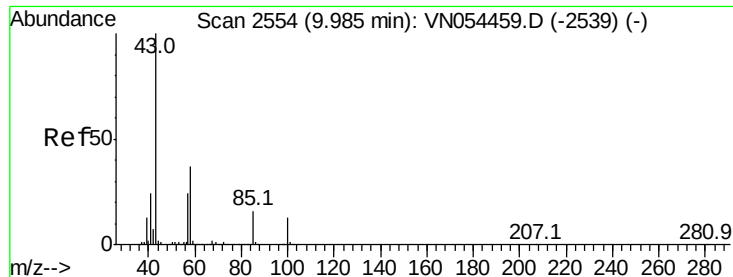
MMDadoda
3/27/2019 9:10:09 AM



#50
Toluene-d8
Concen: 50.534 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 98 Resp: 891756
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 114.660 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBS01

Tot Ion: 43 Resp: 519984

Ion Ratio Lower Upper

43 100

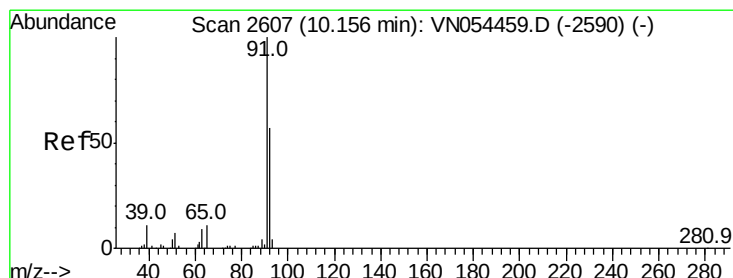
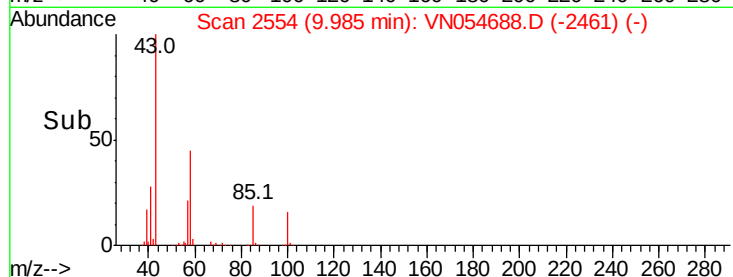
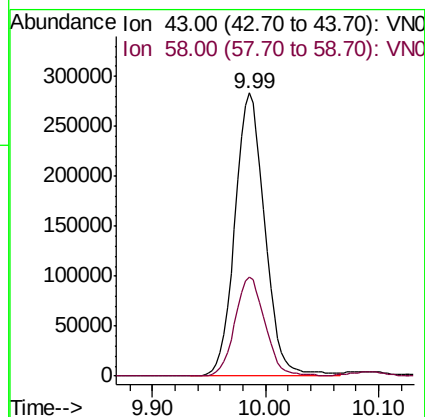
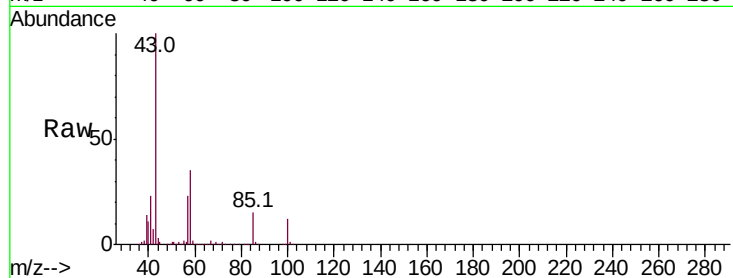
58 35.3 31.8 47.6

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 20.839 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054688.D

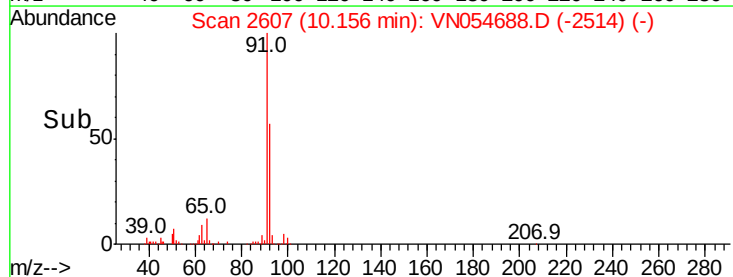
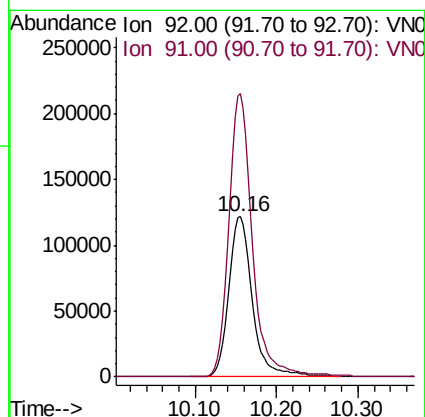
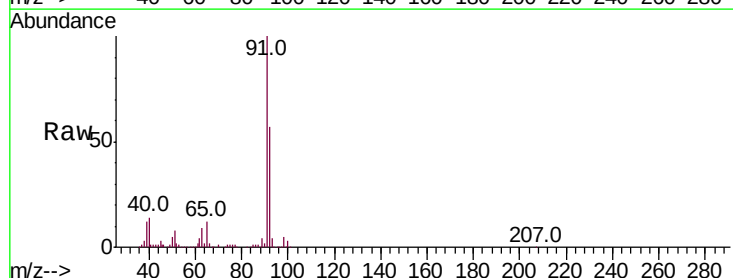
Acq: 26 Mar 2019 10:35

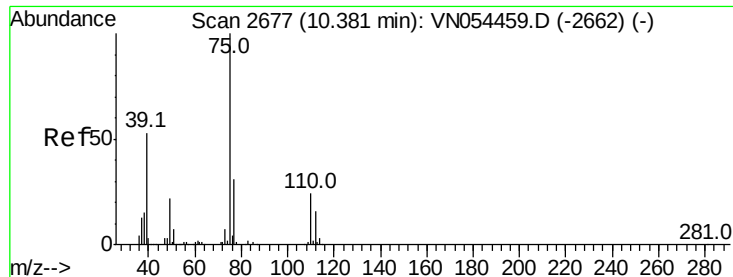
Tgt Ion: 92 Resp: 249682

Ion Ratio Lower Upper

92 100

91 174.4 140.7 211.1





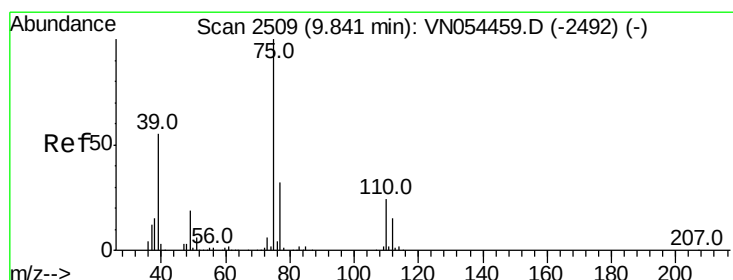
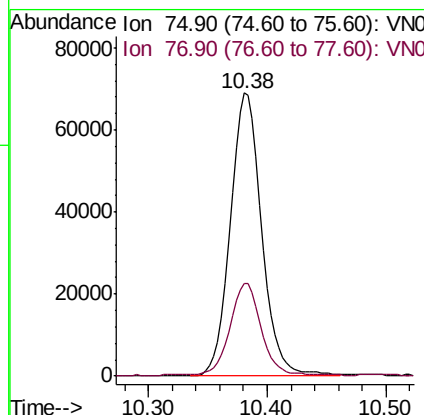
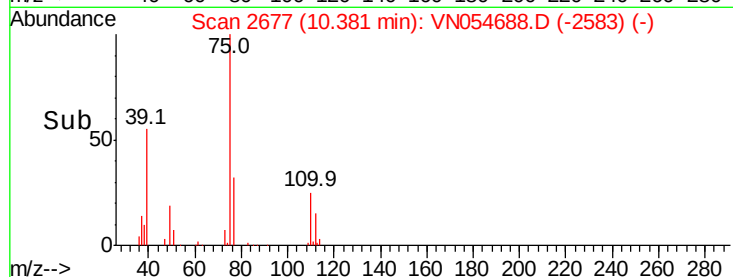
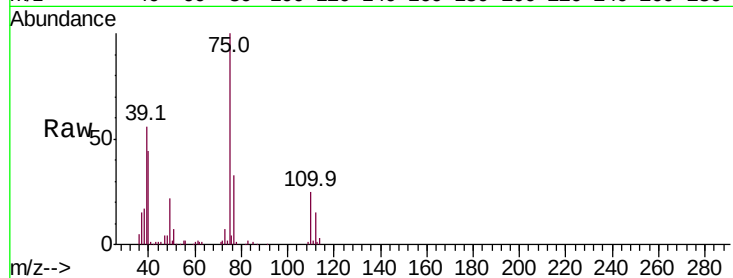
#53
t-1,3-Dichloropropene
Concen: 19.851 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VN0326WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.8

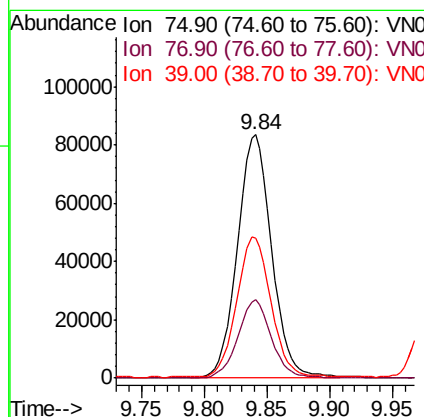
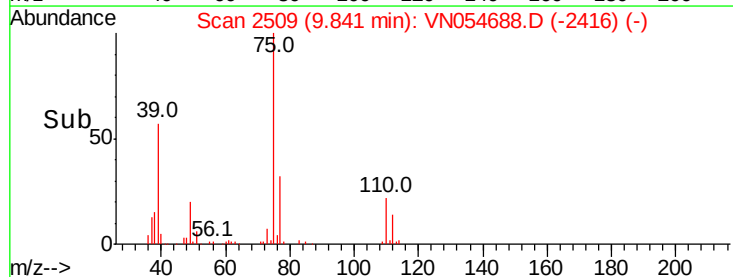
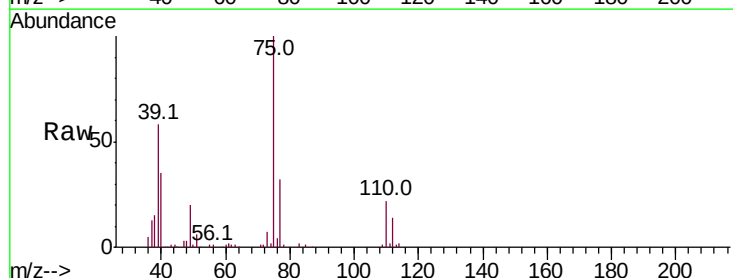
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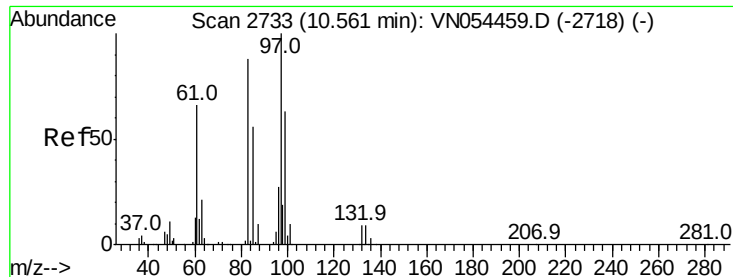
MMDadoda
3/27/2019 9:10:09 AM



#54
cis-1,3-Dichloropropene
Concen: 21.342 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0
39	57.2	37.2	55.8#





#55

1,1,2-Trichloroethane

Concen: 21.753 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

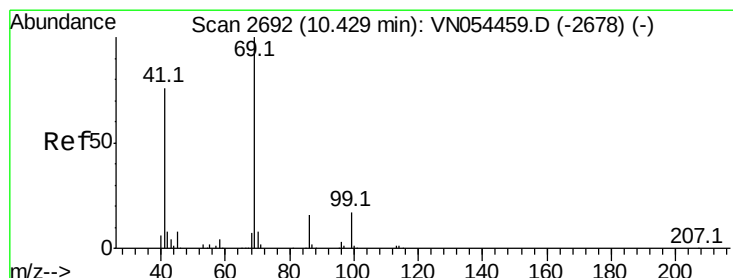
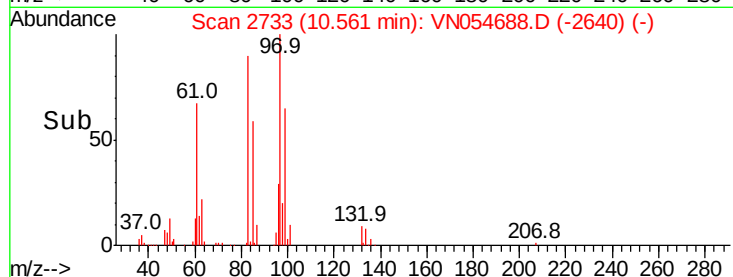
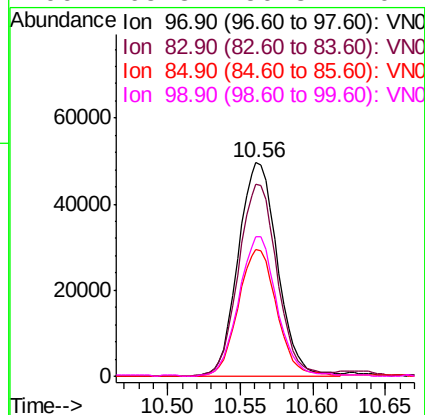
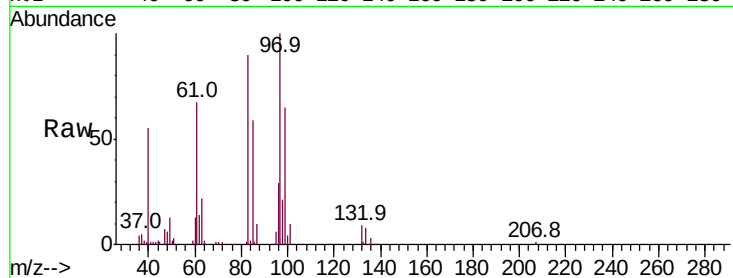
ClientSampleId :

VN0326WBS01

Tot Ion	97	Resp	93686
Ion	Ratio	Lower	Upper
97	100		
83	89.8	66.6	100.0
85	59.3	44.4	66.6
99	65.3	50.8	76.2

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3/27/2019 9:10:09 AM



#56

Ethyl methacrylate

Concen: 20.602 ug/l

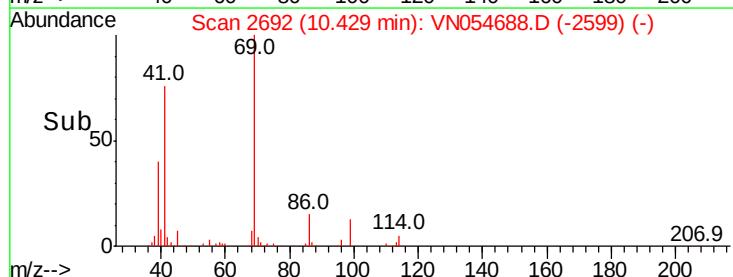
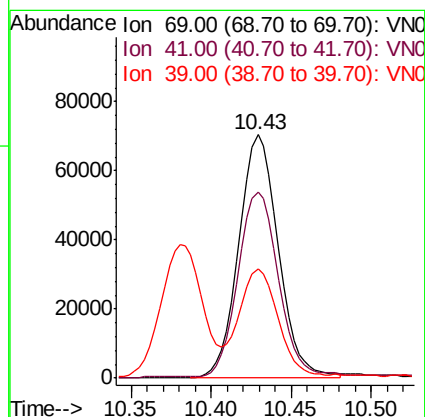
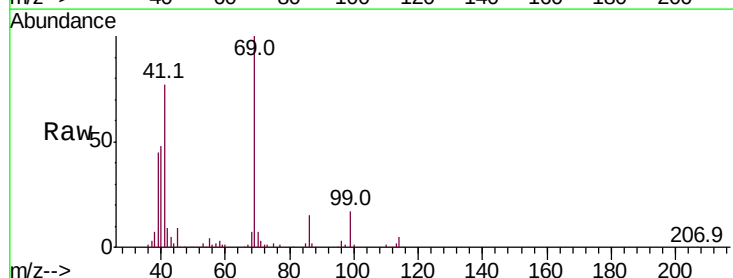
RT: 10.43 min Scan# 2692

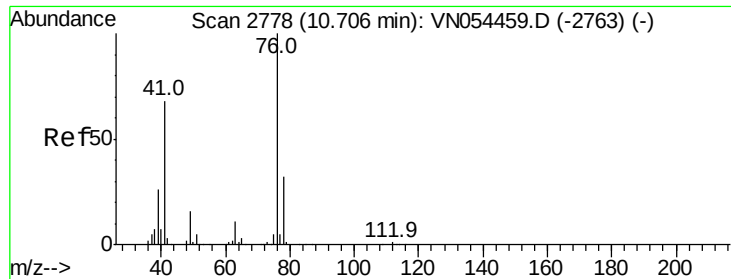
Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Tgt Ion	69	Resp	119097
Ion	Ratio	Lower	Upper
69	100		
41	77.9	49.4	74.2#
39	43.1	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 21.844 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

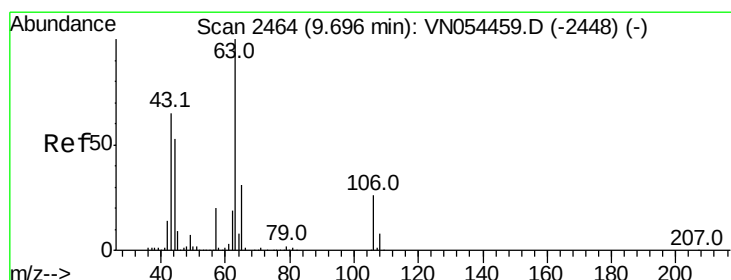
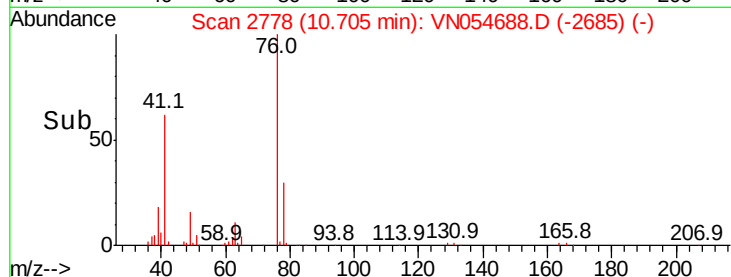
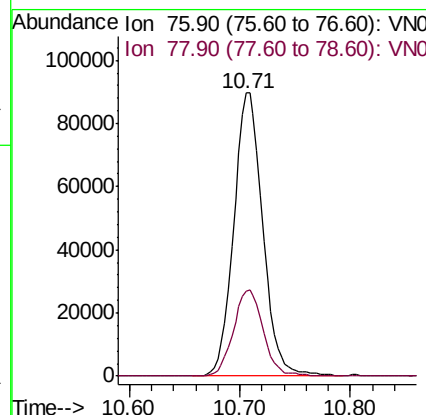
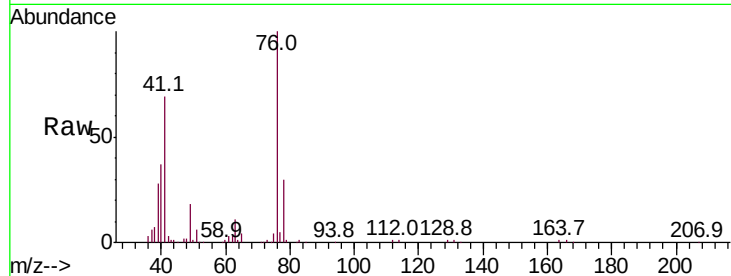
Instrument :
MSVOA_N
ClientSampled :
VN0326WBS01

Tot Ion: 76 Resp: 163543

Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.7	38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 90.446 ug/l

RT: 9.70 min Scan# 2464

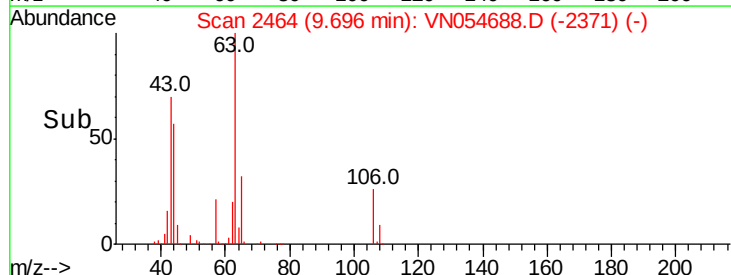
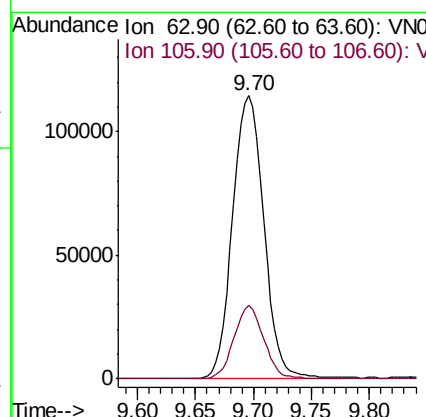
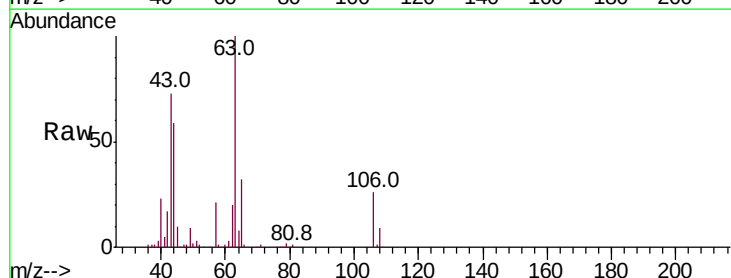
Delta R.T. -0.00 min

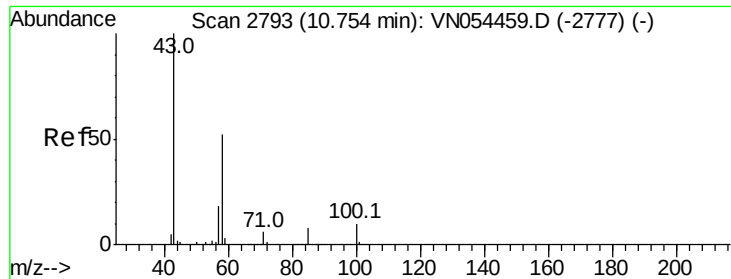
Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Tgt Ion: 63 Resp: 215296

Ion	Ratio	Lower	Upper
63	100		
106	24.5	24.4	36.6





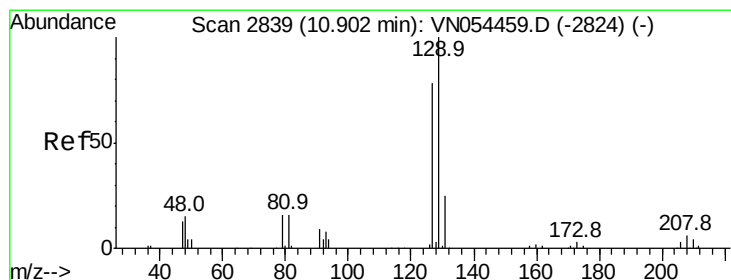
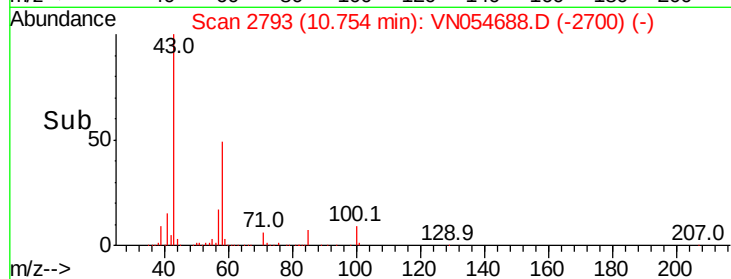
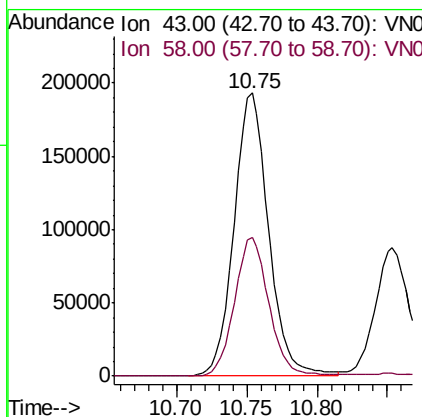
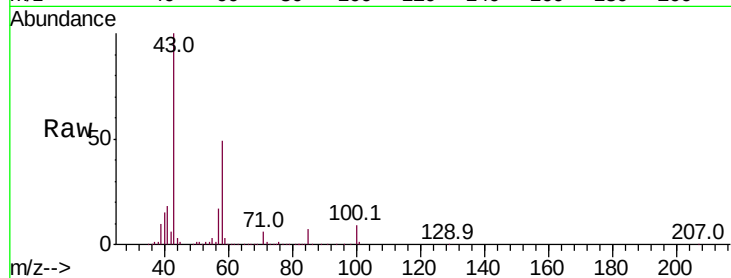
#59
2-Hexanone
Concen: 111.219 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion: 43 Resp: 329457
Ion Ratio Lower Upper
43 100
58 49.5 28.0 83.9

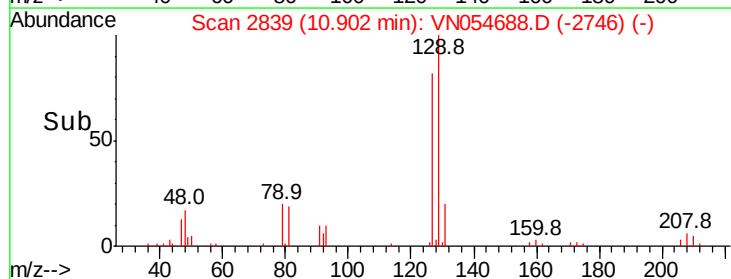
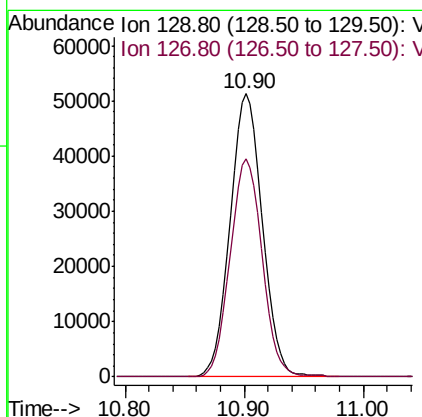
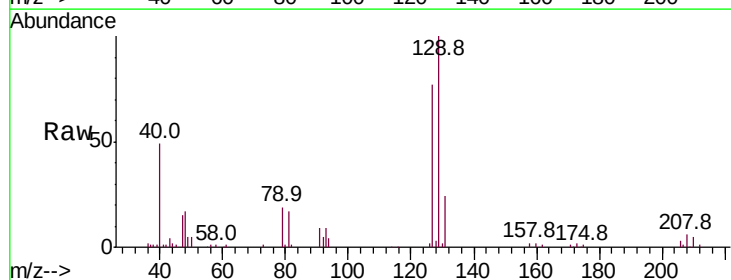
Manual Integrations
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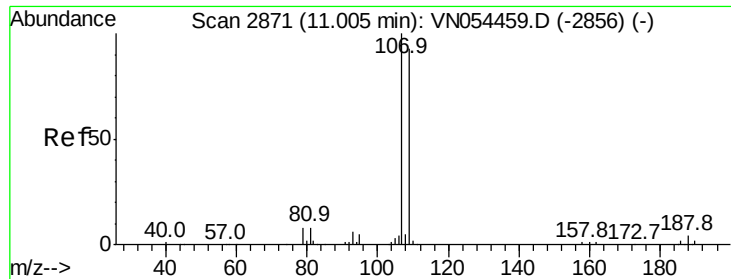
MMDadoda
3/27/2019 9:10:09 AM



#60
Dibromochloromethane
Concen: 21.047 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 129 Resp: 96458
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.085 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBS01

Tot Ion:107 Resp: 89776

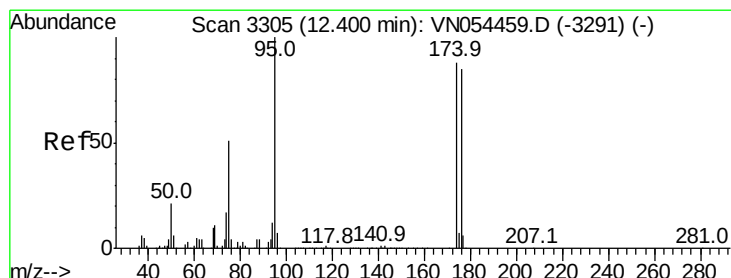
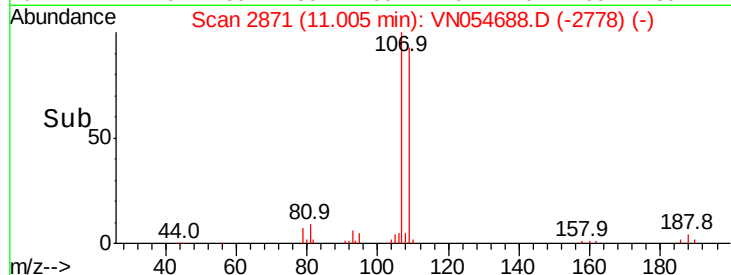
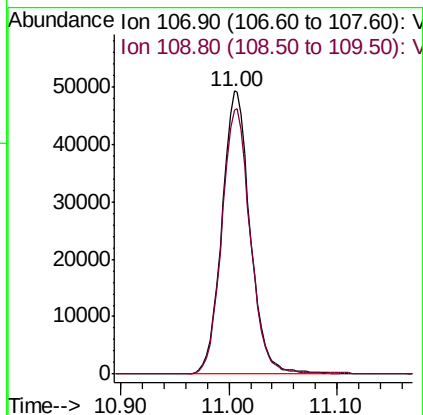
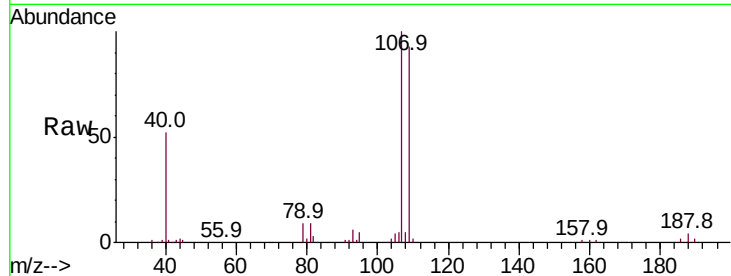
Ion Ratio Lower Upper

107 100

109 94.4 75.9 113.9

Manual Integrations
APPROVED

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3/27/2019 9:10:09 AM



#62

4-Bromofluorobenzene

Concen: 49.669 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

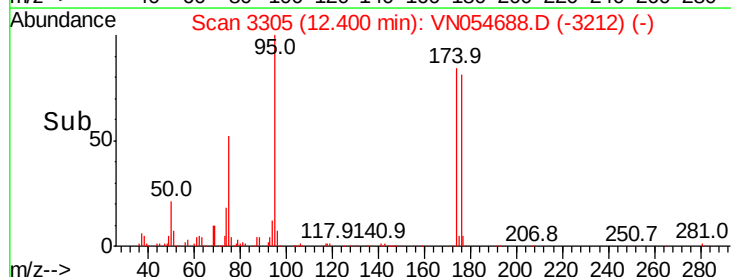
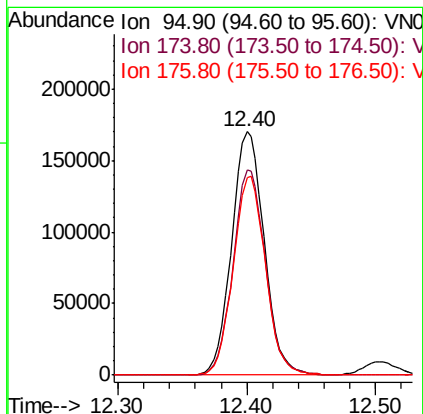
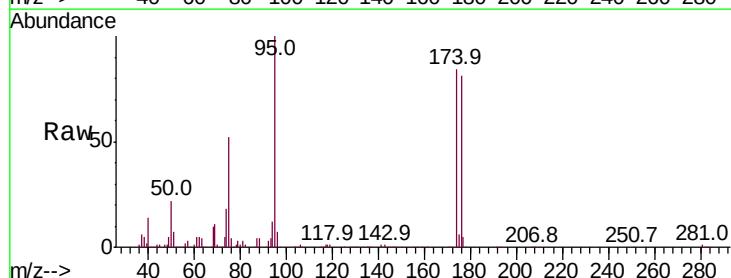
Tgt Ion: 95 Resp: 298255

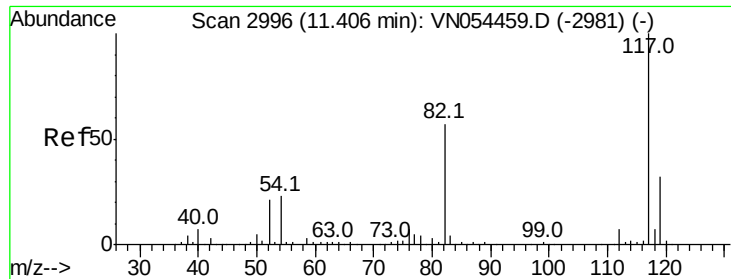
Ion Ratio Lower Upper

95 100

174 83.8 0.0 191.0

176 81.2 0.0 187.4





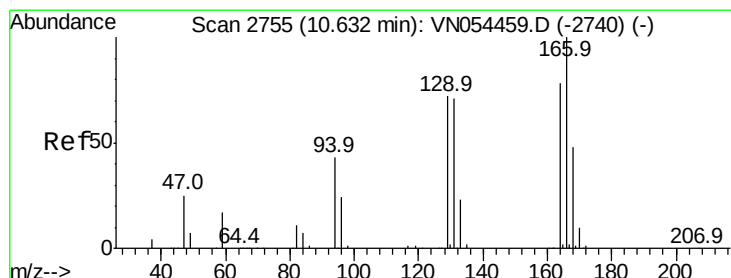
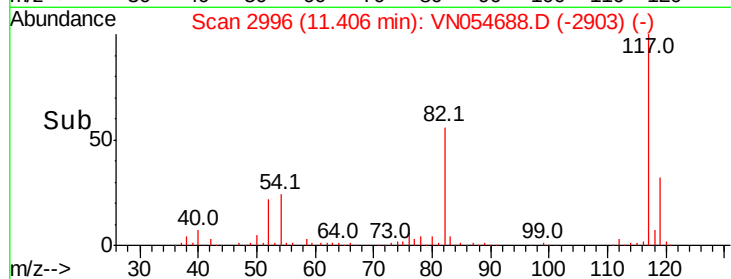
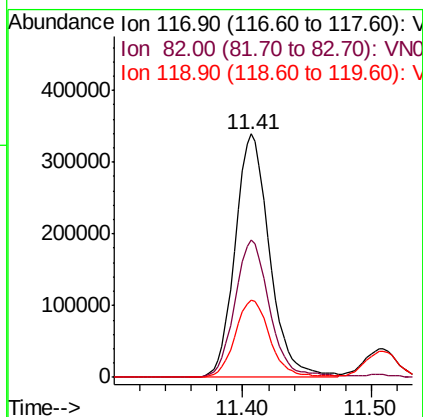
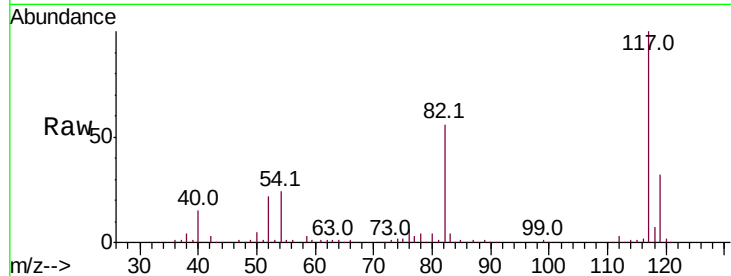
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	40.0	60.0
119	31.8	25.8	38.6

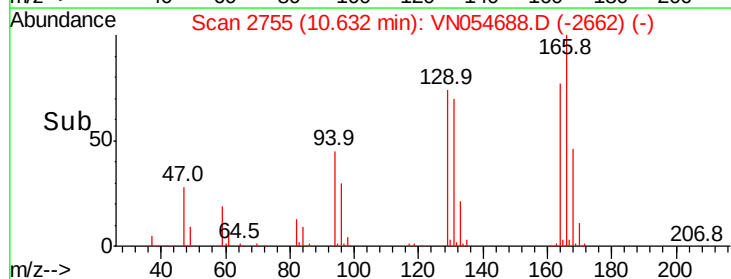
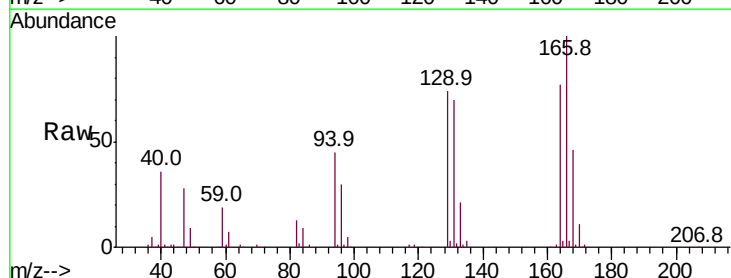
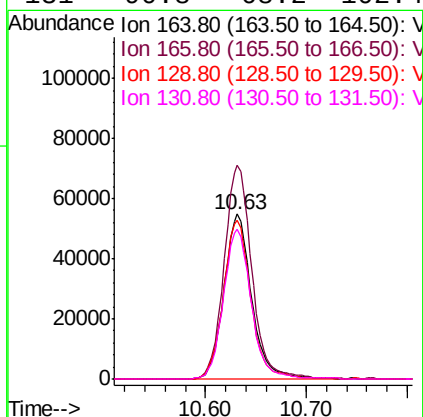
Manual Integrations
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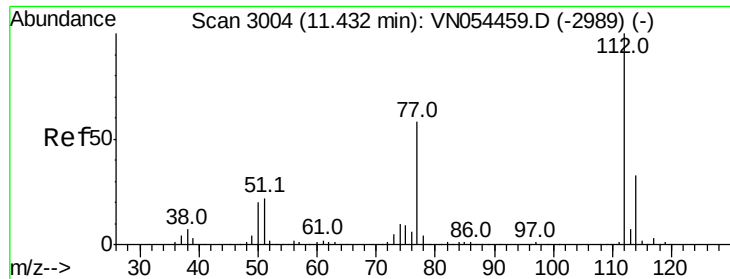
MMDadoda
3/27/2019 9:10:09 AM



#64
Tetrachloroethene
Concen: 20.138 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	103.9	155.9
129	96.6	71.1	106.7
131	90.8	68.2	102.4





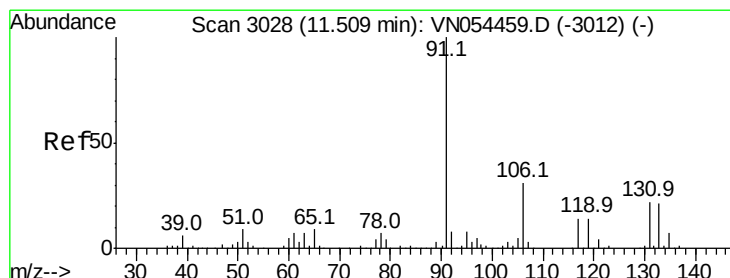
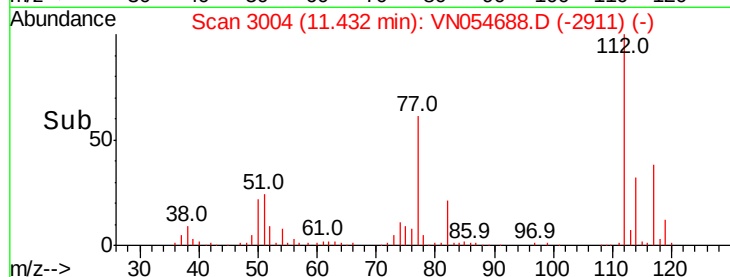
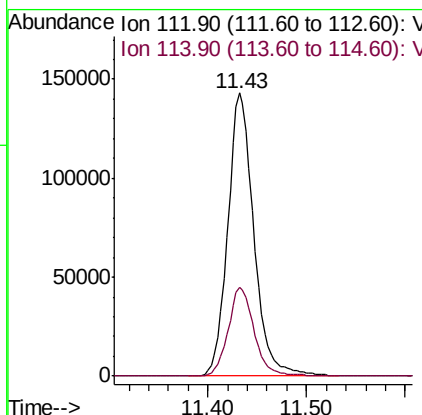
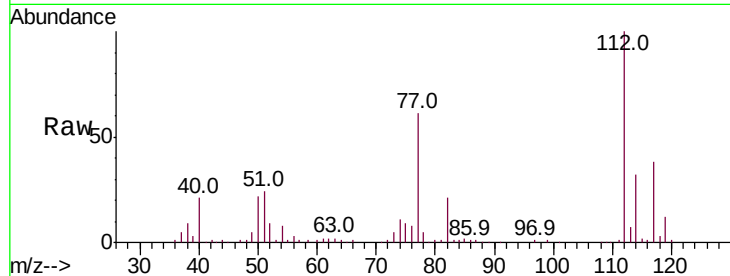
#65
Chlorobenzene
Concen: 20.640 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion:112 Resp: 264678
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9

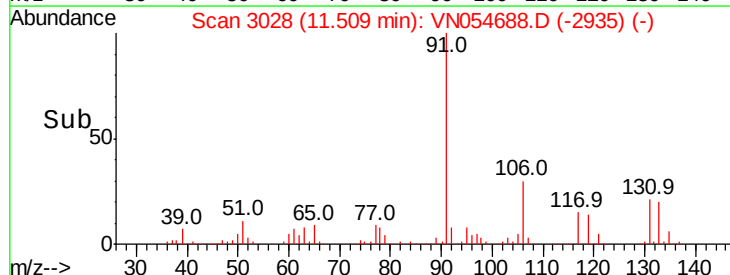
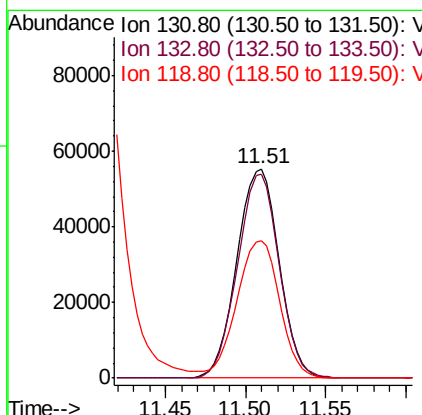
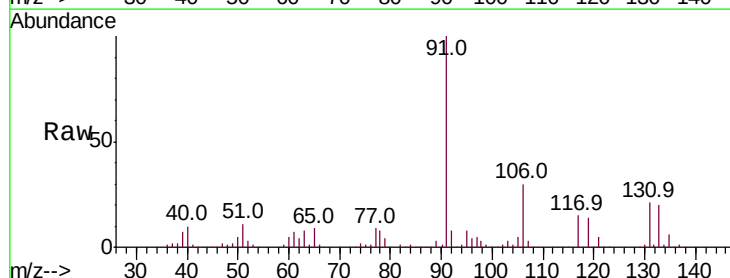
Manual Integrations
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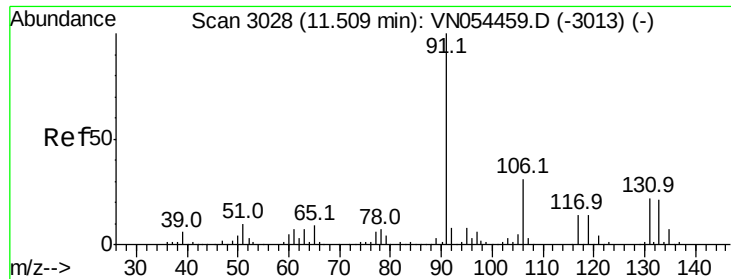
MMDadoda
3/27/2019 9:10:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.620 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion:131 Resp: 99515
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.9
119 67.1 32.4 97.0





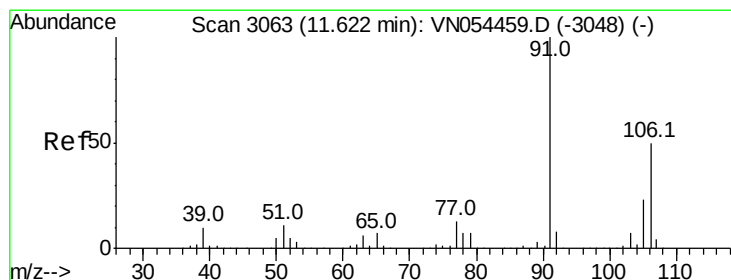
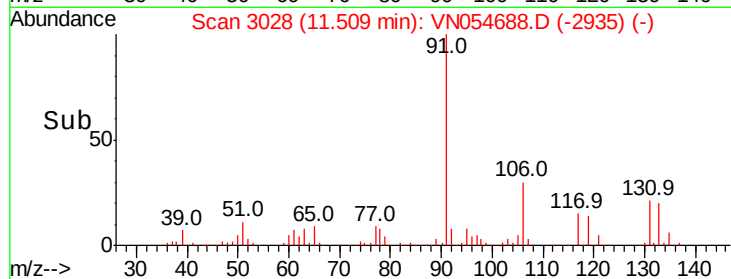
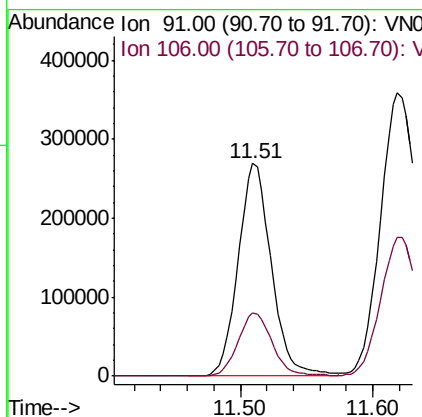
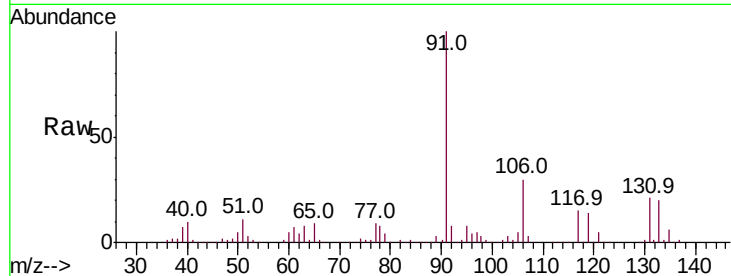
#67
Ethyl Benzene
Concen: 20.763 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion: 91 Resp: 470321
Ion Ratio Lower Upper
91 100
106 29.8 25.5 38.3

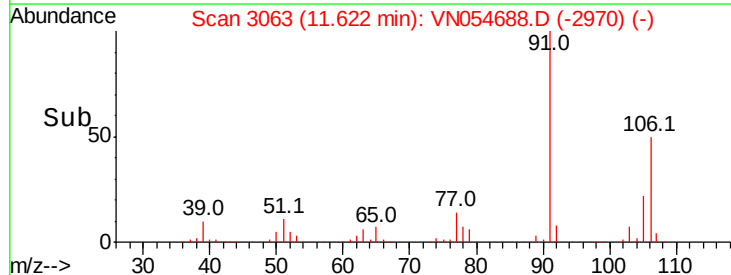
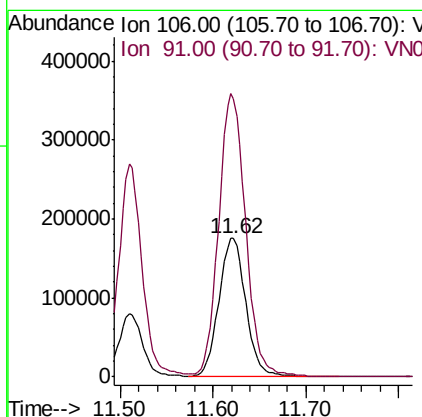
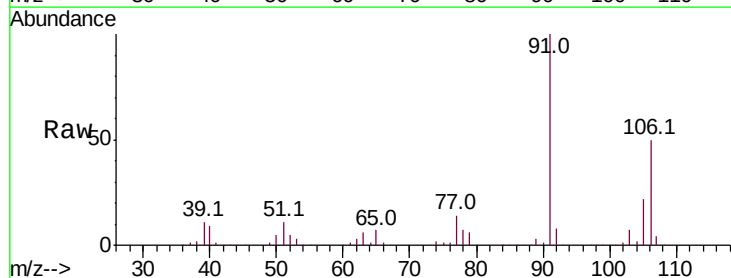
Manual Integrations
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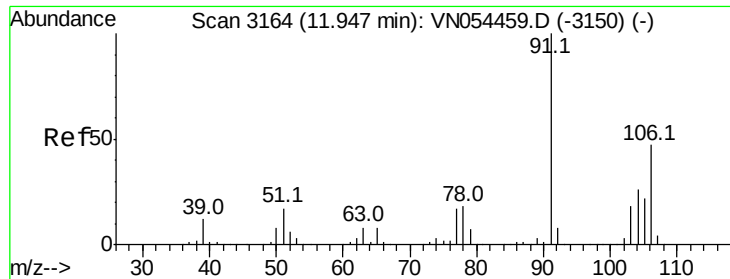
MMDadoda
3/27/2019 9:10:09 AM



#68
m/p-Xylenes
Concen: 41.445 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion: 106 Resp: 355604
Ion Ratio Lower Upper
106 100
91 203.9 159.4 239.2





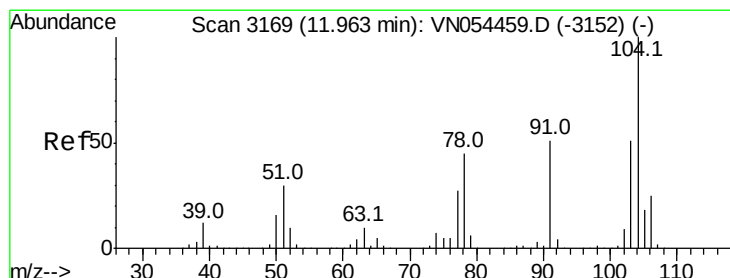
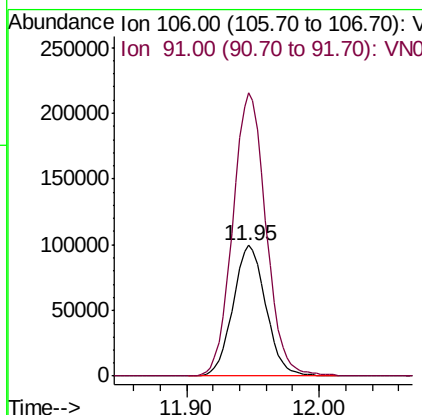
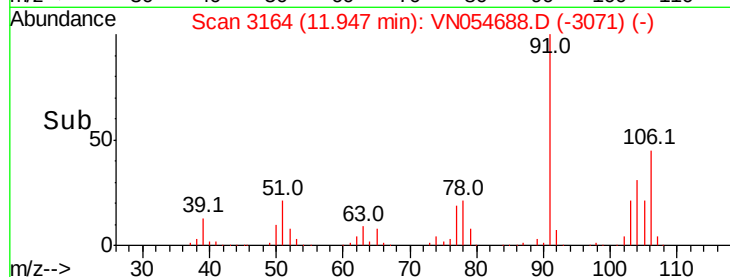
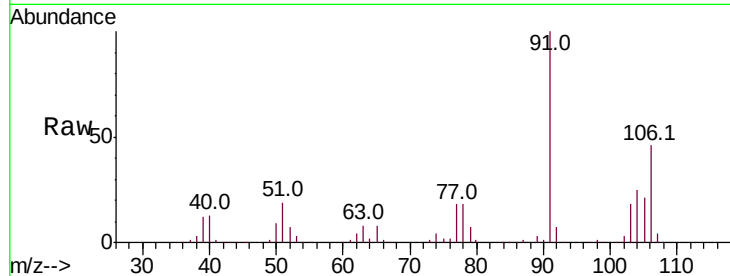
#69
o-Xylene
Concen: 20.484 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VN0326WBS01

Tot Ion:106 Resp: 171642
Ion Ratio Lower Upper
106 100
91 219.0 105.7 317.1

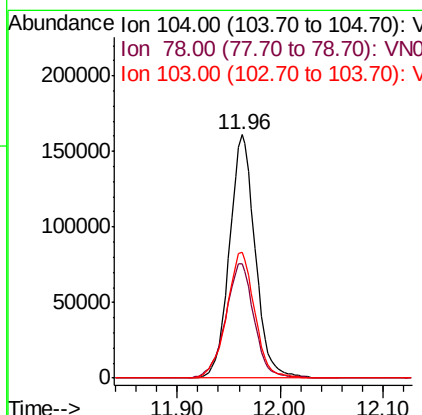
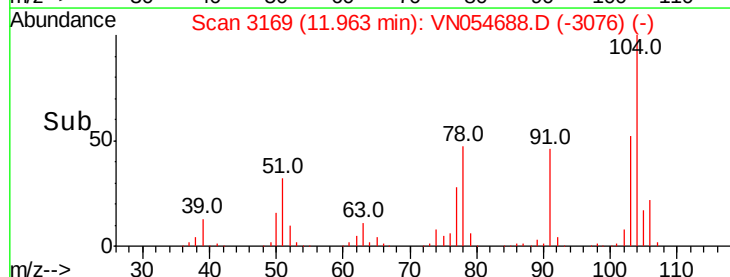
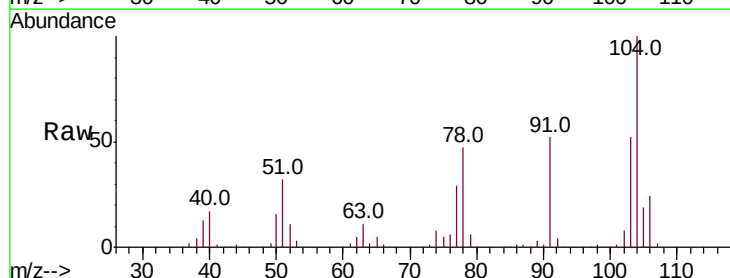
Manual Integrations
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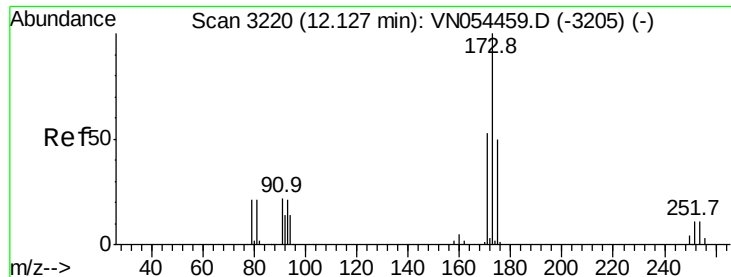
MMDadoda
3/27/2019 9:10:09 AM



#70
Styrene
Concen: 20.610 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion:104 Resp: 280452
Ion Ratio Lower Upper
104 100
78 52.2 38.2 57.2
103 56.3 44.4 66.6





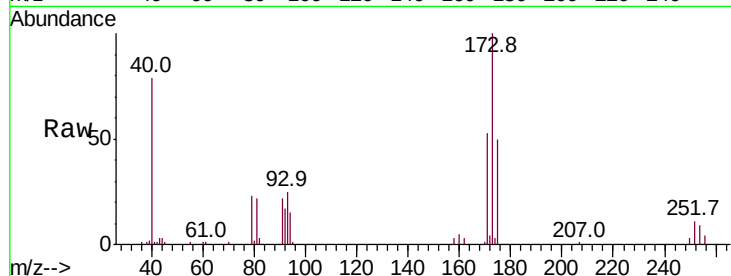
#71
Bromoform
Concen: 19.310 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

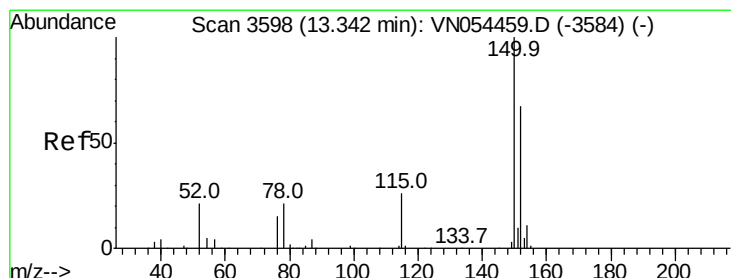
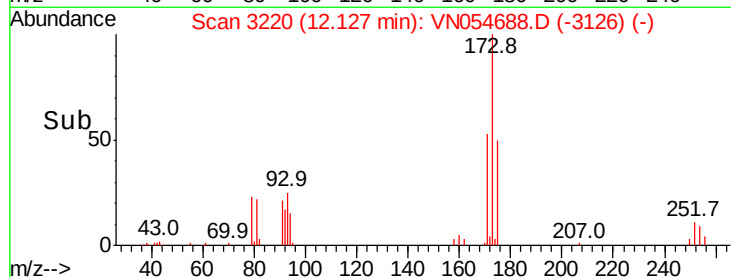
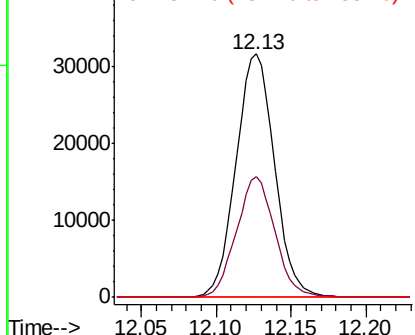
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.4	73.2
254	0.0	0.1	0.1#

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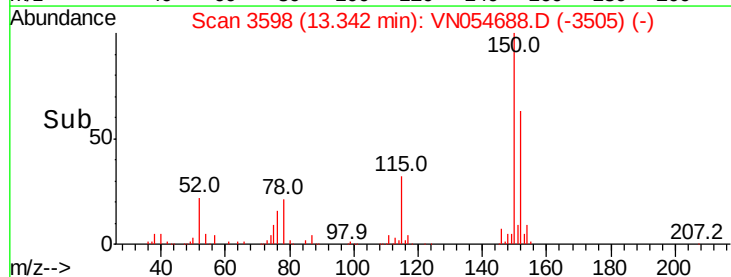
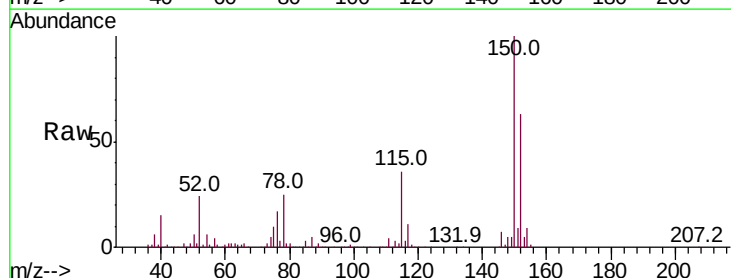
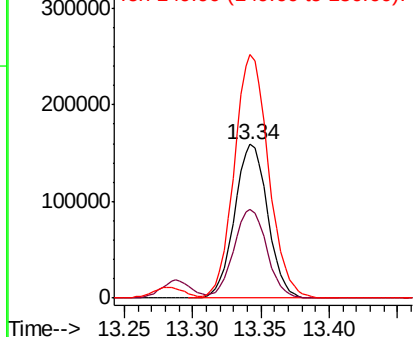
Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

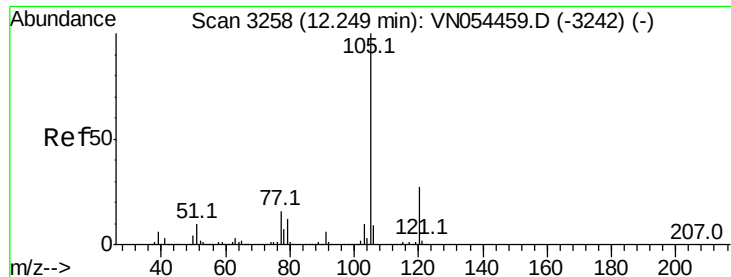


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	27.2	81.6
150	163.7	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





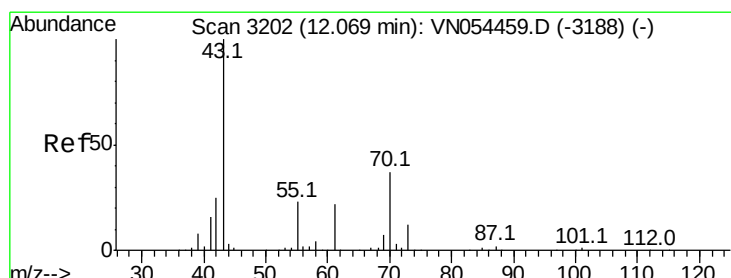
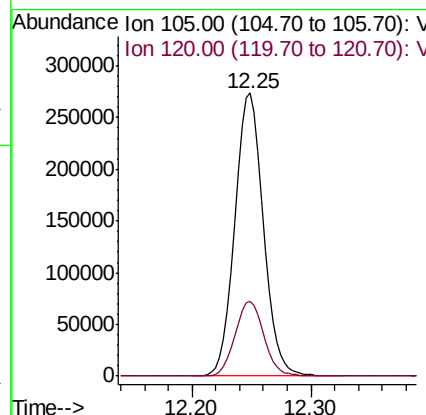
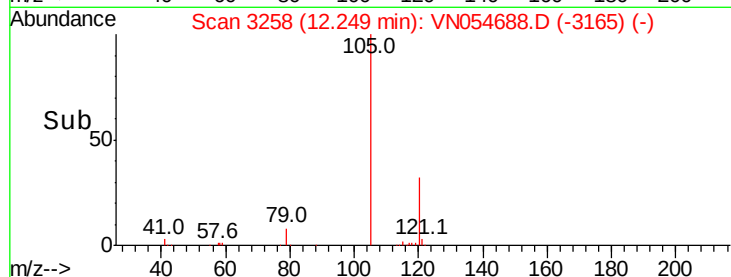
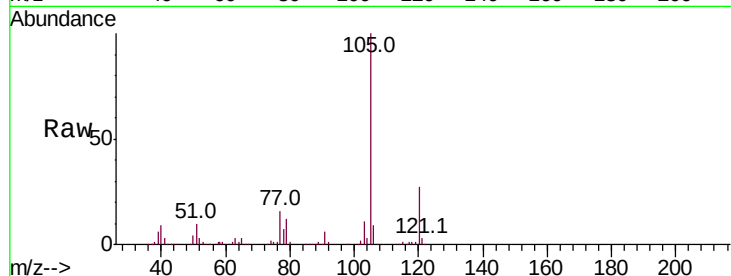
#73
Isopropylbenzene
Concen: 21.044 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.8	41.3

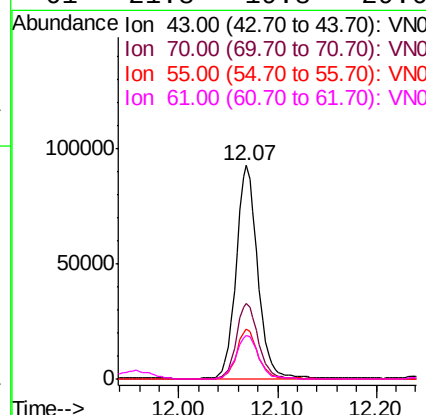
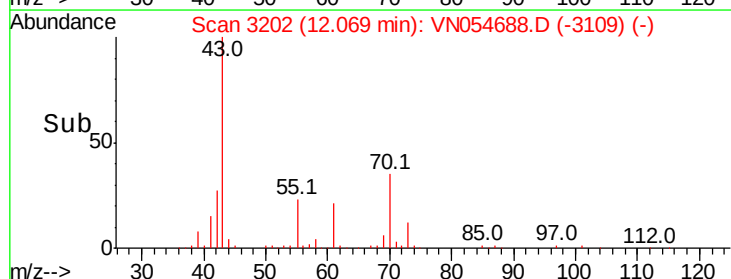
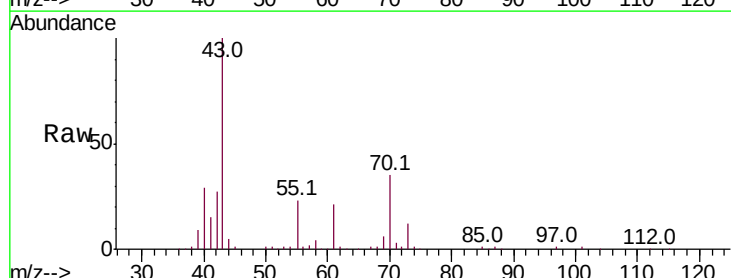
Manual Integrations
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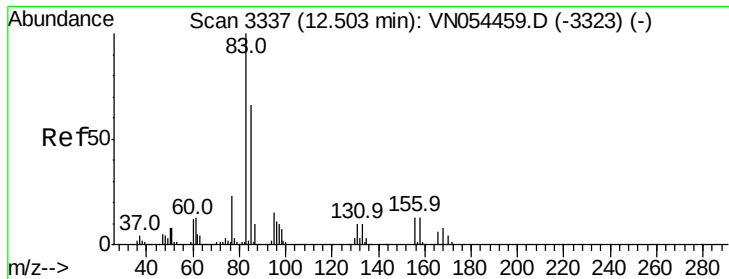
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3/27/2019 9:10:09 AM



#74
N-ethyl acetate
Concen: 22.572 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.5	35.4	53.0
55	23.3	19.8	29.6
61	21.8	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.495 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

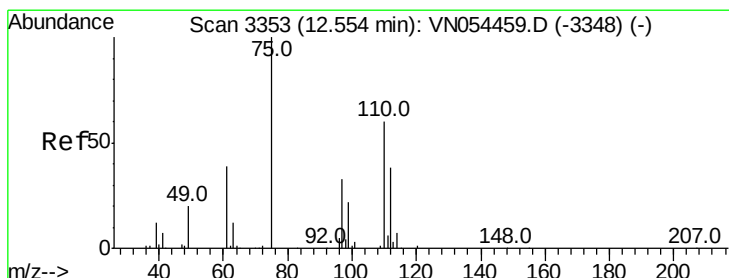
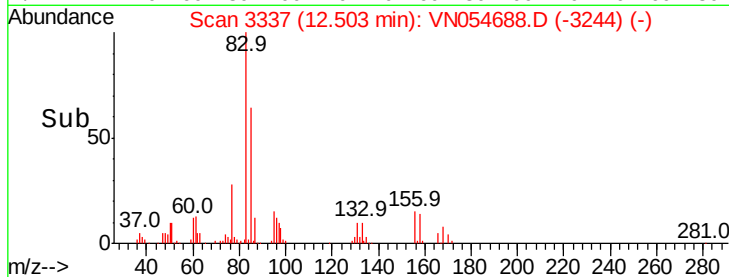
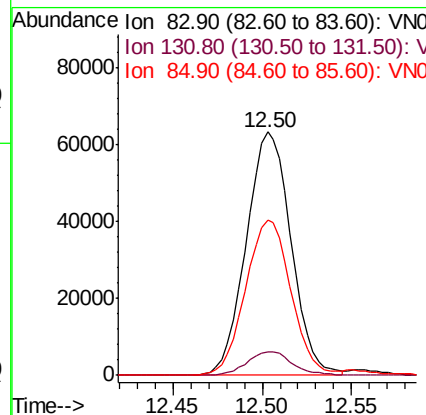
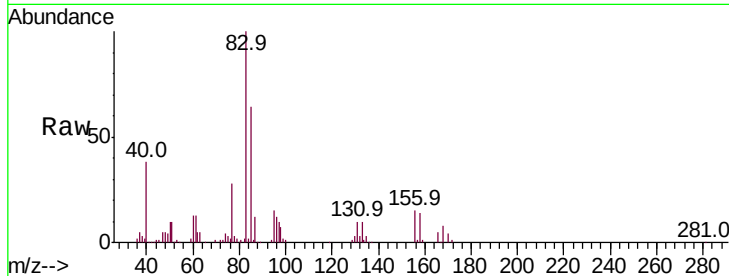
ClientSampleId :

VN0326WBS01

Tot Ion:	83	Resp:	110949
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.8	17.4
85	64.6	32.2	96.6

Manual Integrations
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3/27/2019 9:10:09 AM



#76

1,2,3-Trichloropropane

Concen: 23.825 ug/l m

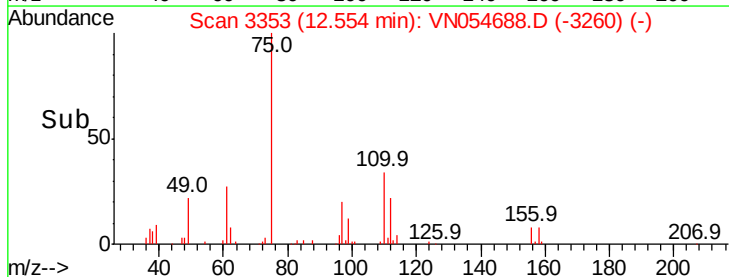
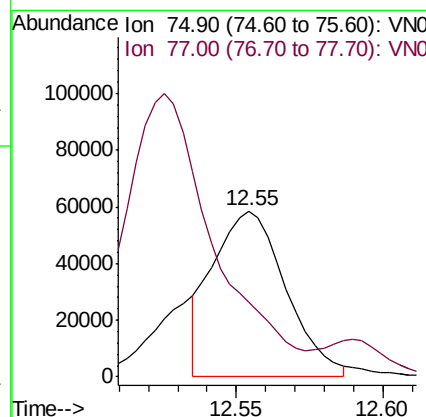
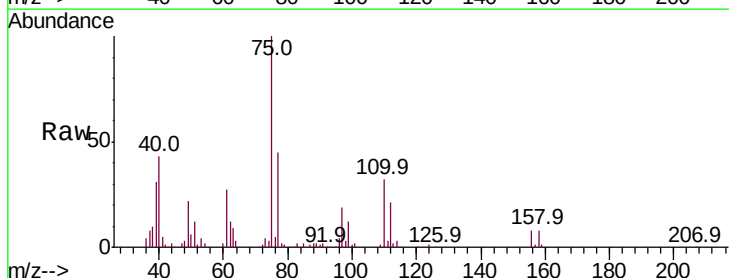
RT: 12.55 min Scan# 3353

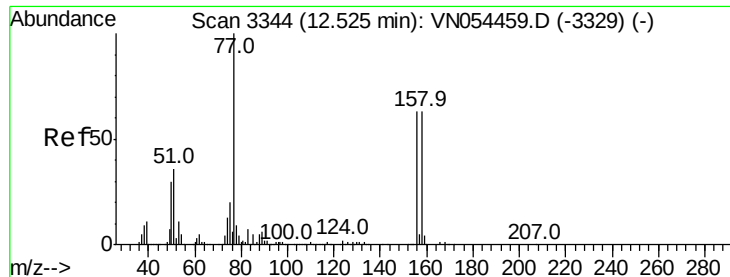
Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Tgt Ion:	75	Resp:	101368
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.939 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

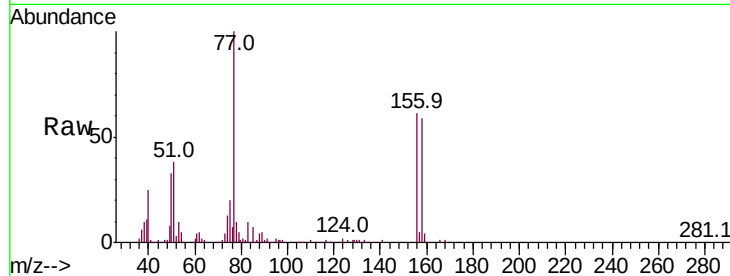
ClientSampled :

VN0326WBS01

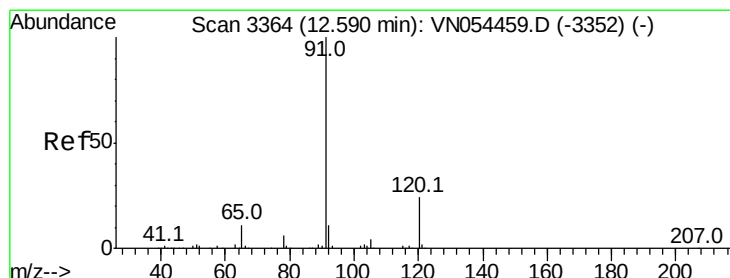
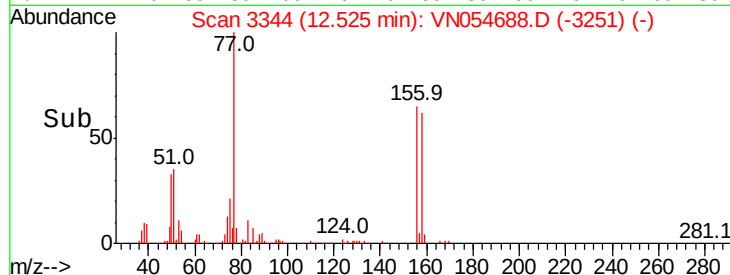
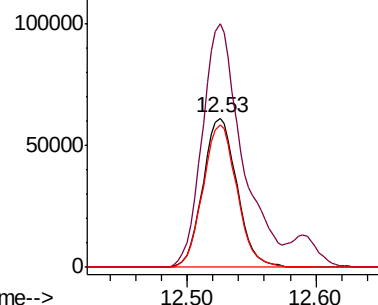
Tot Ion:	156	Resp:	112201
Ion Ratio	Lower	Upper	
156	100		
77	190.4	81.5	244.4
158	95.3	49.0	147.2

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.558 ug/l

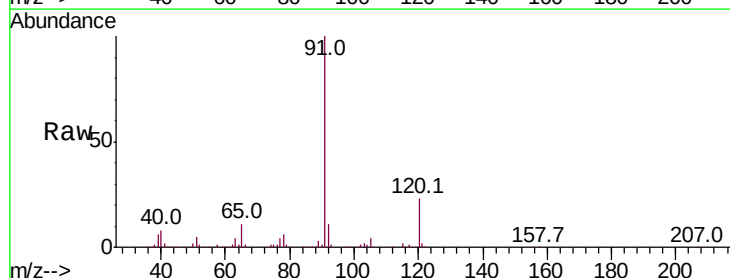
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

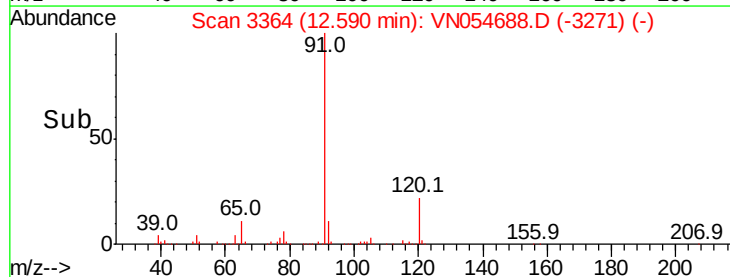
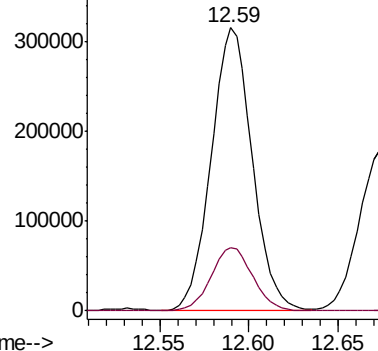
Lab File: VN054688.D

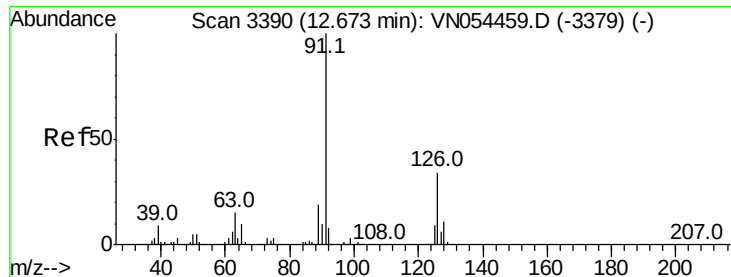
Acq: 26 Mar 2019 10:35

Tgt Ion:	91	Resp:	505065
Ion Ratio	Lower	Upper	
91	100		
120	22.9	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.996 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

VN0326WBS01

Tot Ion: 91 Resp: 306751

Ion Ratio Lower Upper

91 100

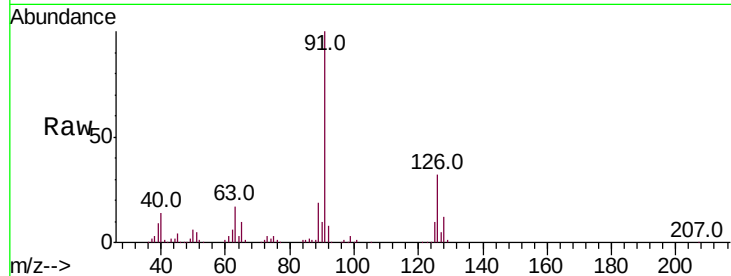
126 33.9 18.7 56.1

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) (-)

250000

200000

150000

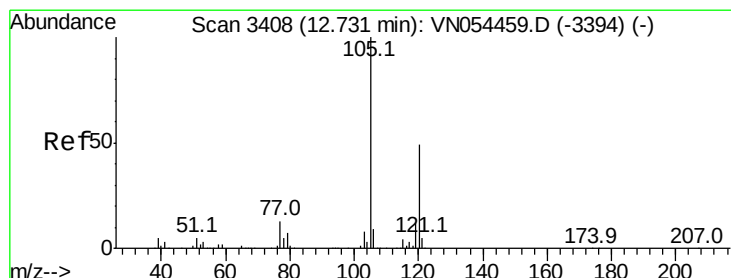
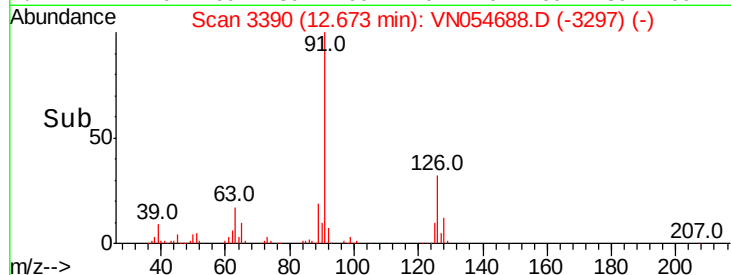
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.216 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054688.D

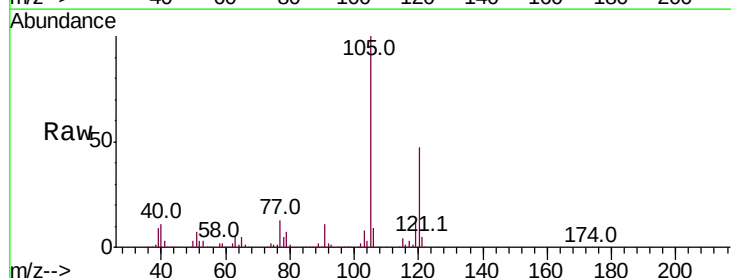
Acq: 26 Mar 2019 10:35

Tgt Ion: 105 Resp: 375692

Ion Ratio Lower Upper

105 100

120 48.1 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) (-)

250000

200000

150000

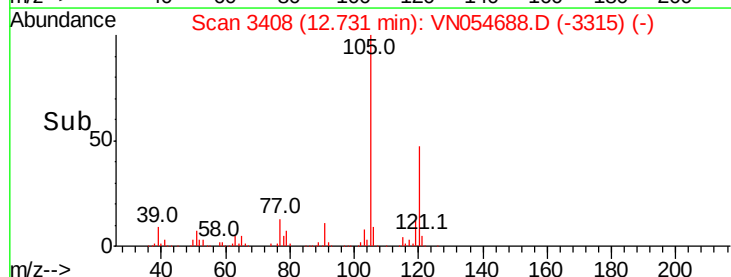
100000

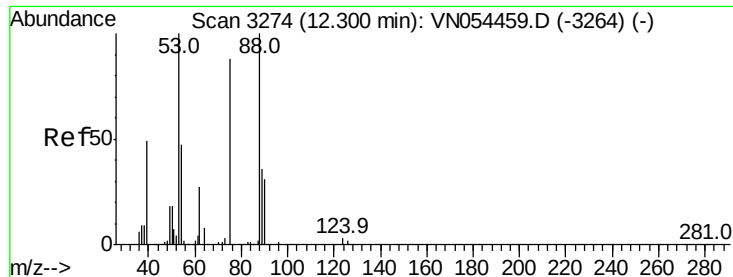
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.103 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBS01

Tot Ion: 75 Resp: 22312

Ion Ratio Lower Upper

75 100

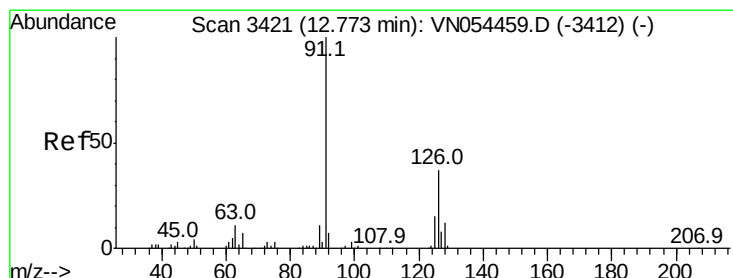
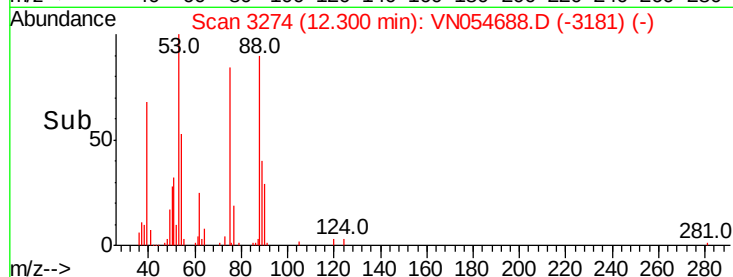
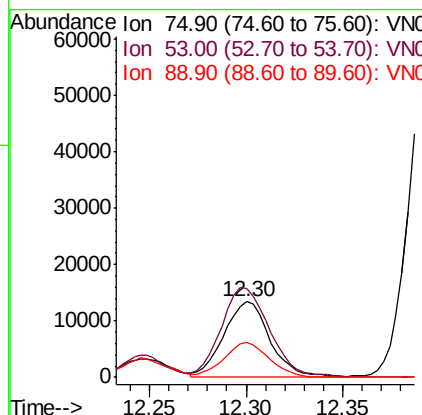
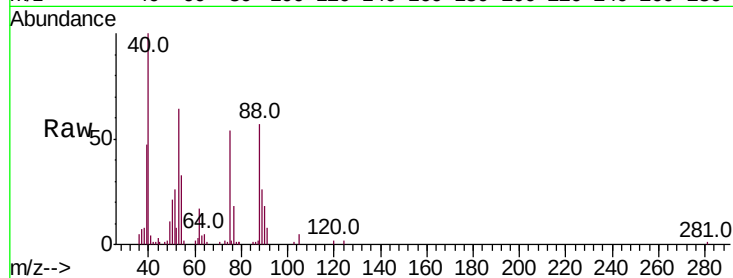
53 125.1 76.2 114.2#

89 45.5 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.238 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054688.D

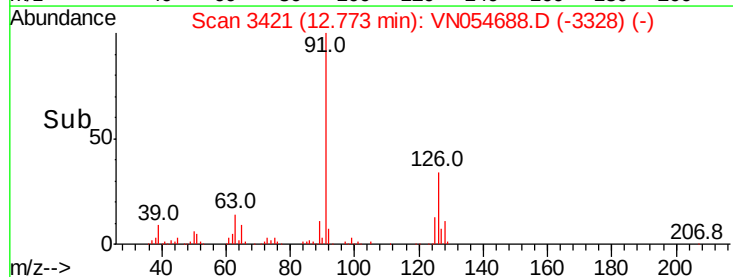
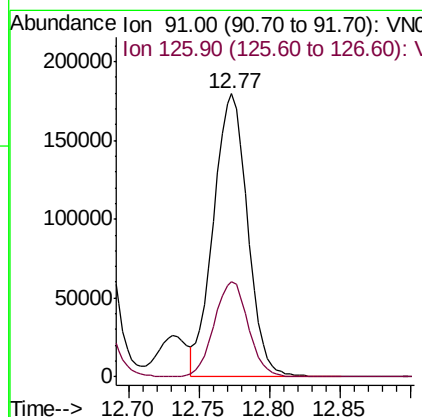
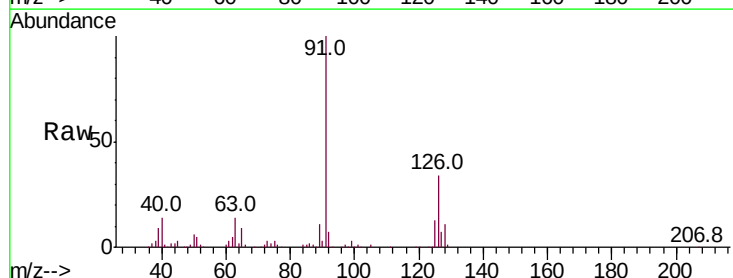
Acq: 26 Mar 2019 10:35

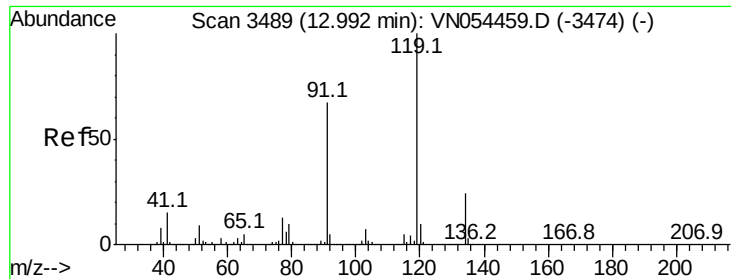
Tgt Ion: 91 Resp: 300767

Ion Ratio Lower Upper

91 100

126 33.9 18.1 54.1





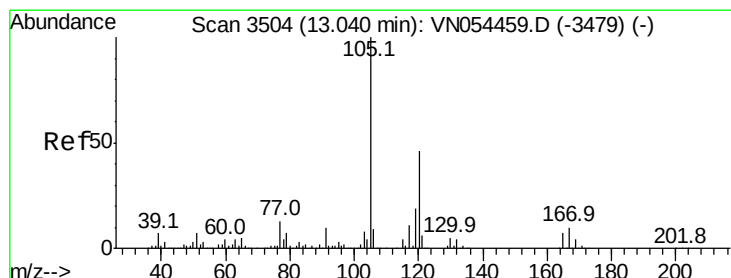
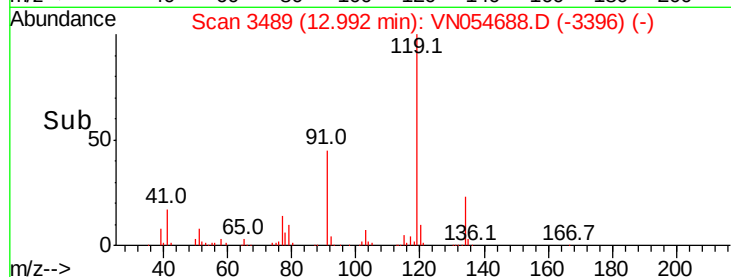
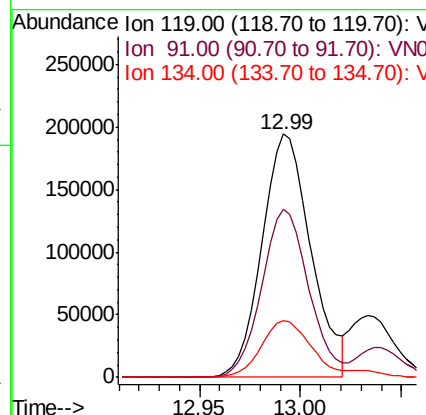
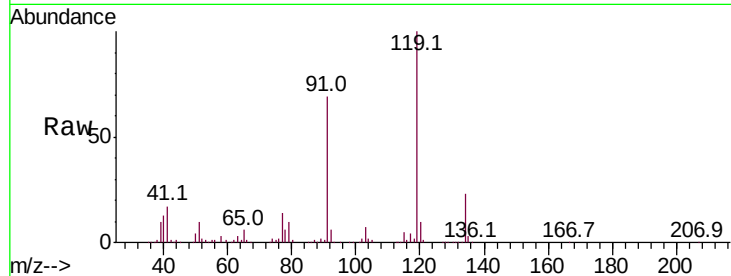
#83
 tert-Butylbenzene
 Concen: 21.348 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0326WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	30.9	92.8
134	23.8	13.2	39.6

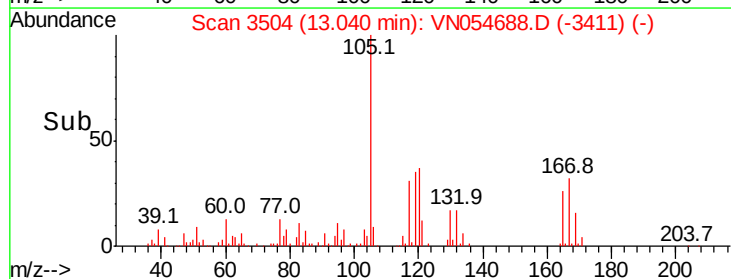
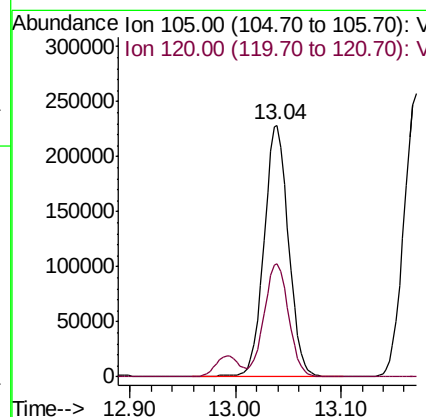
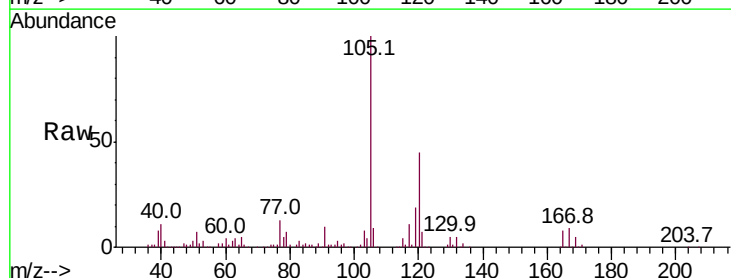
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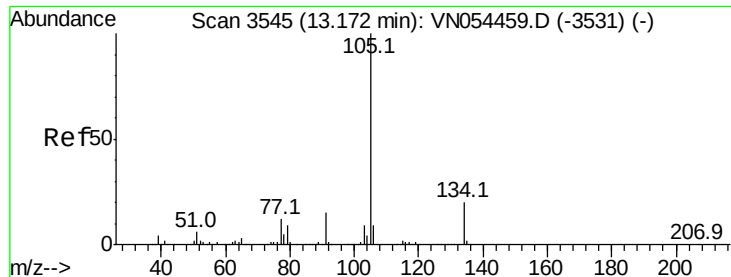
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.352 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	23.4	70.3





#85

sec-Butylbenzene

Concen: 21.391 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBS01

Tot Ion:105 Resp: 411030

Ion Ratio Lower Upper

105 100

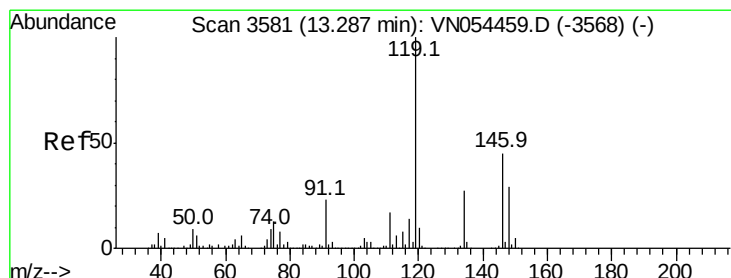
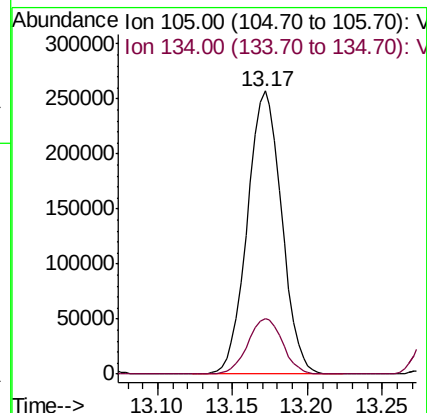
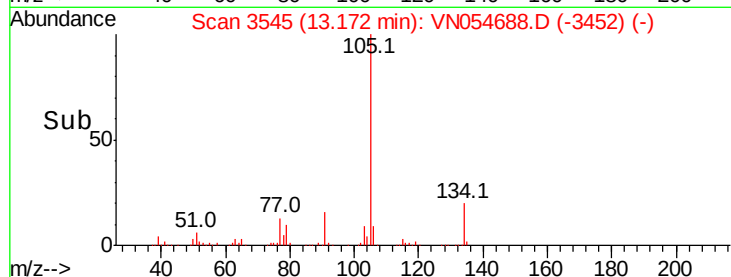
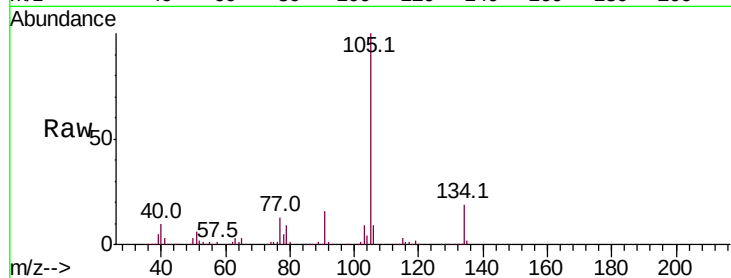
134 19.8 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 21.067 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

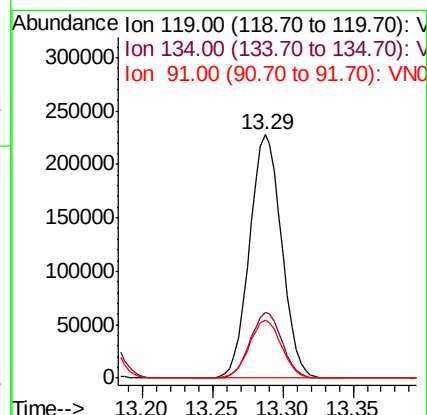
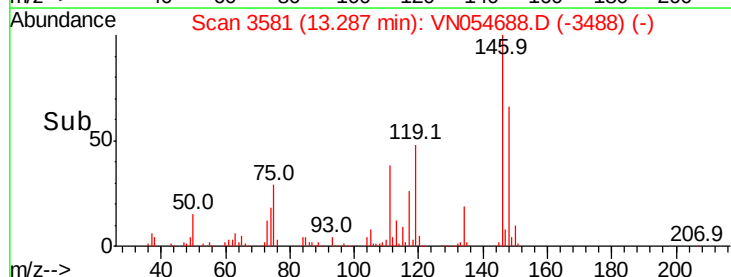
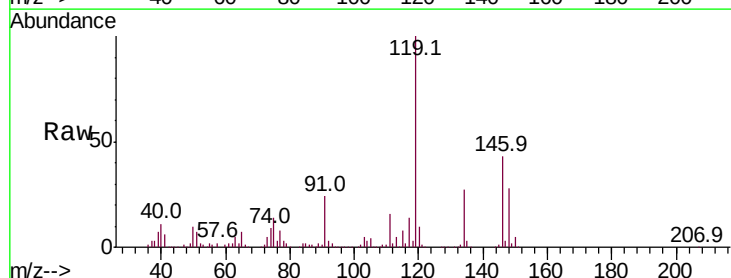
Tgt Ion:119 Resp: 362150

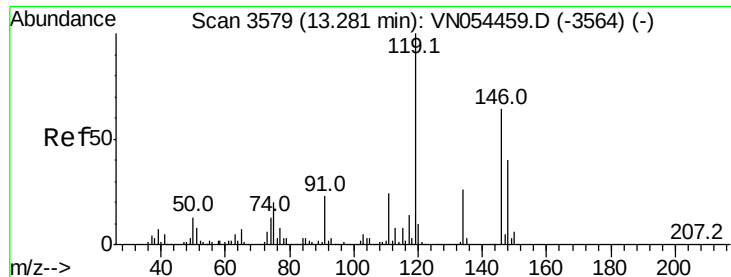
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 24.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.911 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054688.D

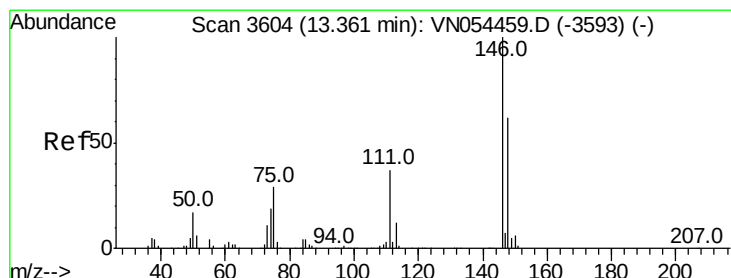
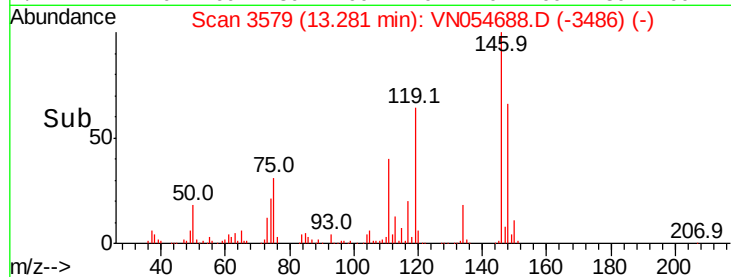
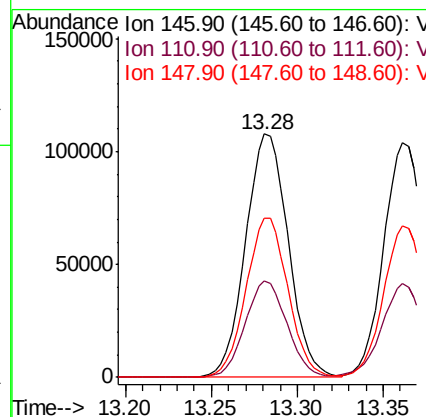
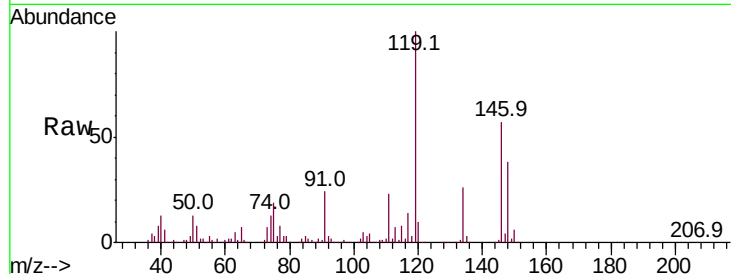
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	185688		
111	38.9	18.8	56.3	
148	64.3	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 20.188 ug/l

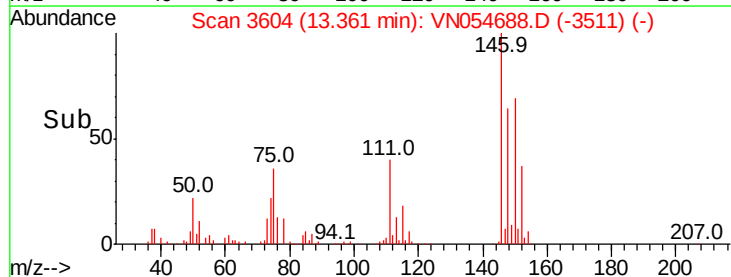
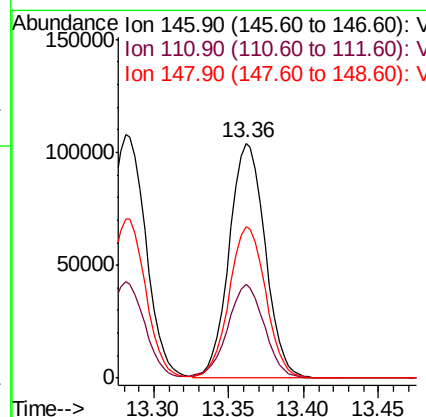
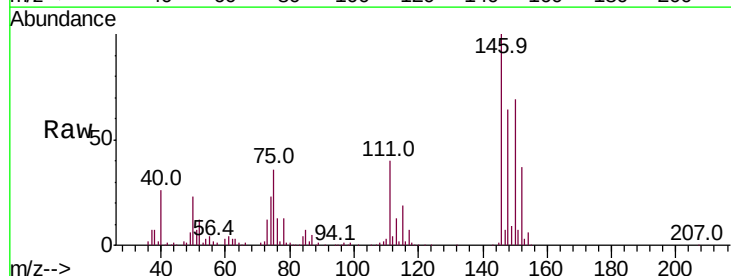
RT: 13.36 min Scan# 3604

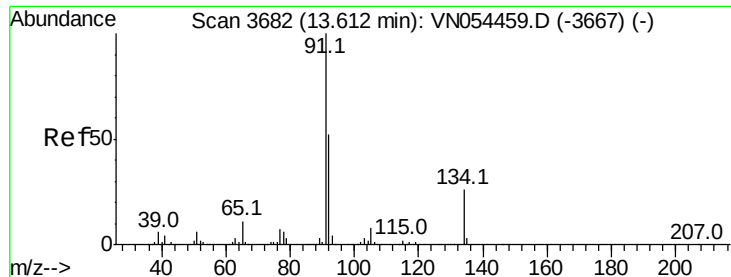
Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	174424		
111	41.0	18.1	54.1	
148	65.7	32.0	96.0	





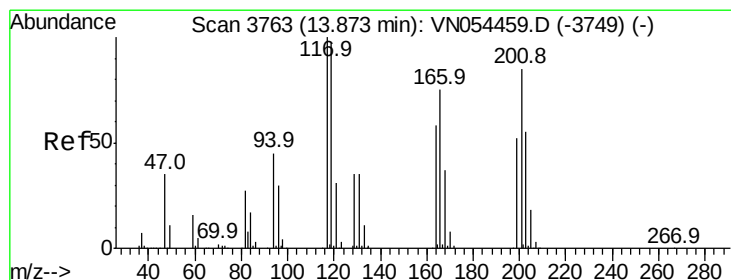
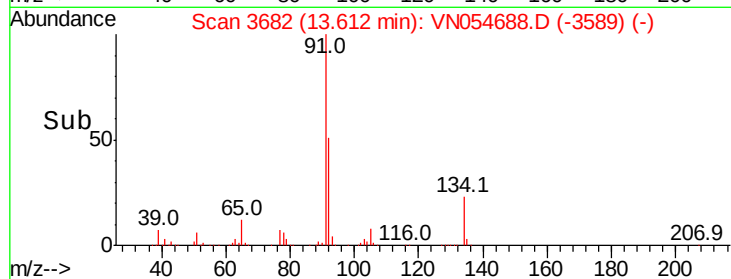
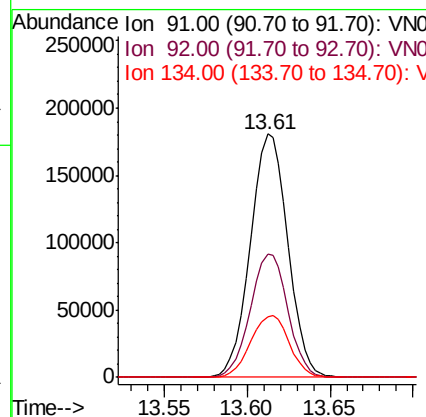
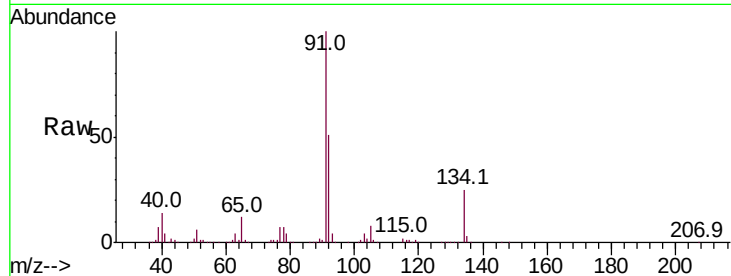
#89
n-Butylbenzene
Concen: 21.090 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0326WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.2	78.6
134	26.2	14.3	42.9

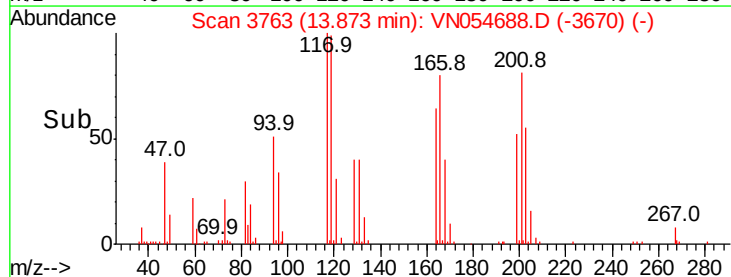
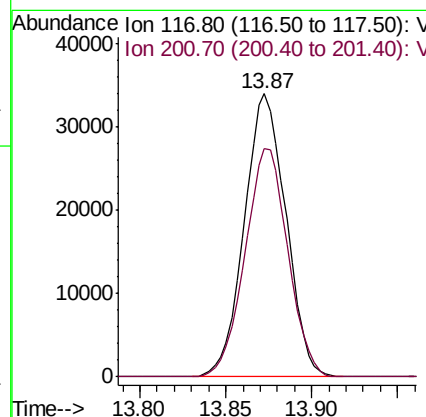
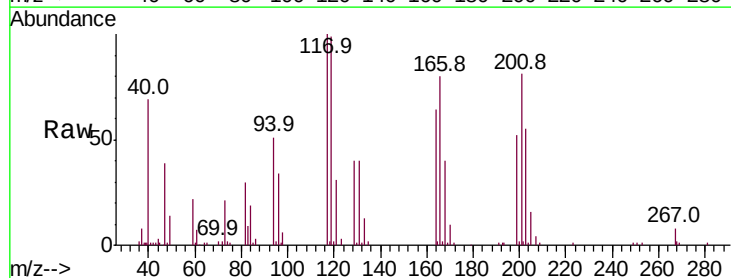
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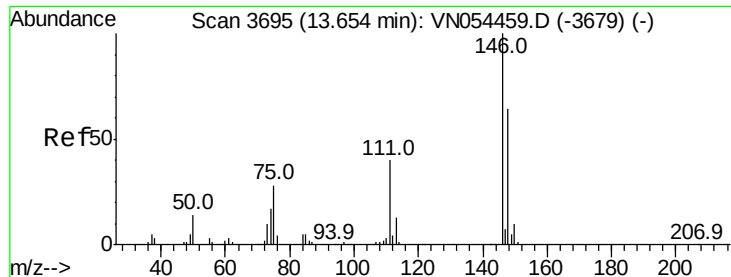
MMDadoda
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#90
Hexachloroethane
Concen: 21.400 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	48.1	144.4





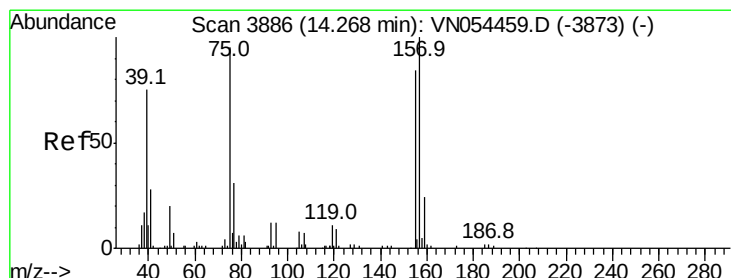
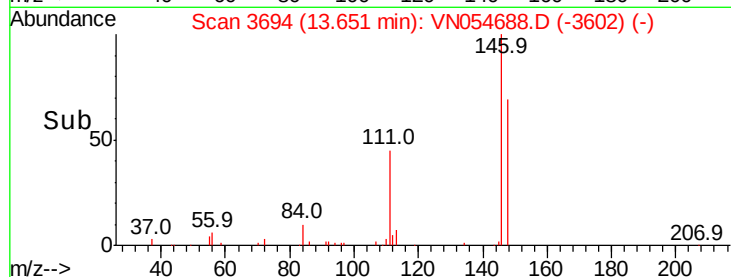
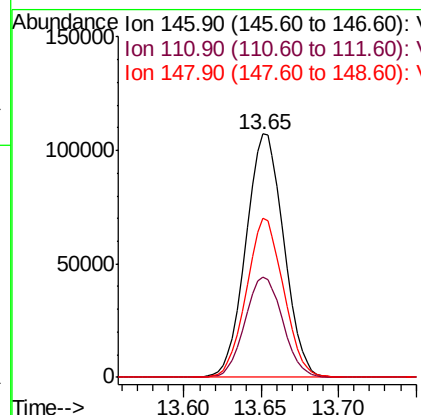
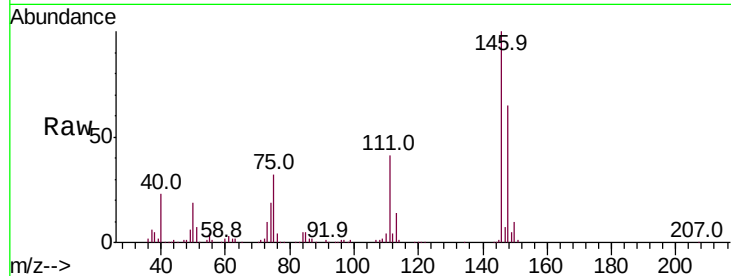
#91
 1,2-Dichlorobenzene
 Concen: 21.296 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	183173		
111	40.9	19.1	57.3	
148	63.8	32.4	97.0	

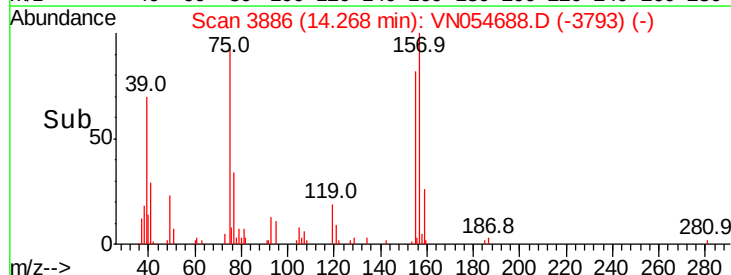
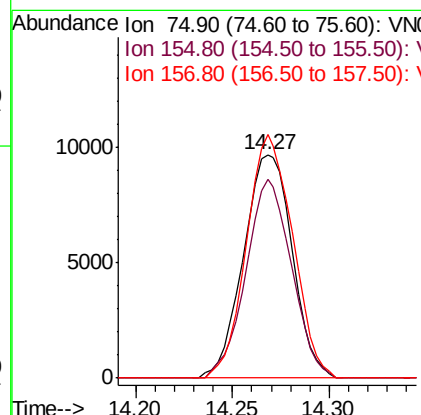
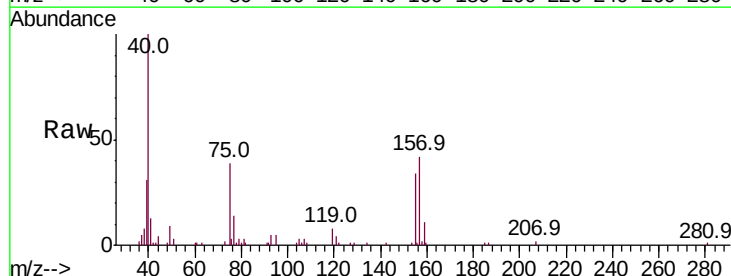
Manual Integrations
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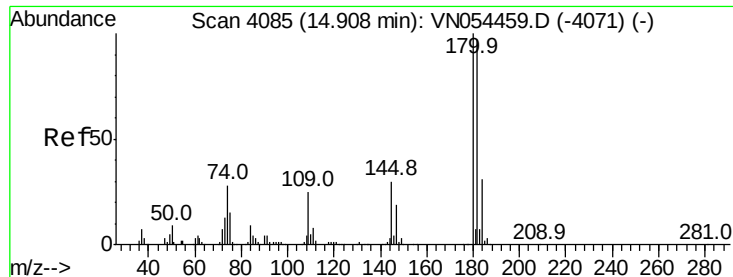
MMDadoda
 3/27/2019 9:10:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.494 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054688.D
 Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16996		
155	83.4	50.1	150.3	
157	103.2	63.1	189.3	





#93

1,2,4-Trichlorobenzene

Concen: 19.207 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Instrument :

MSVOA_N

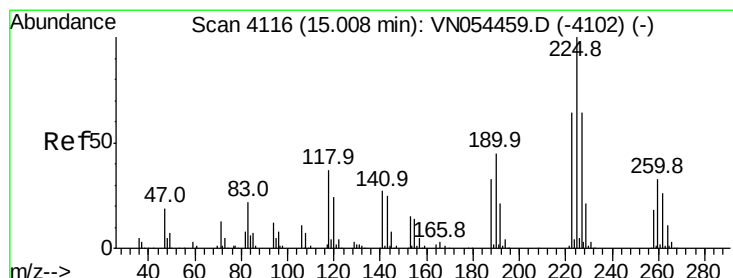
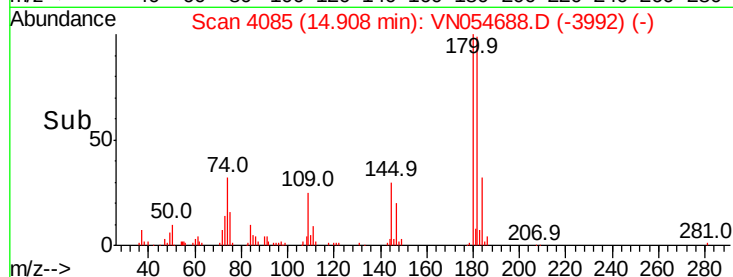
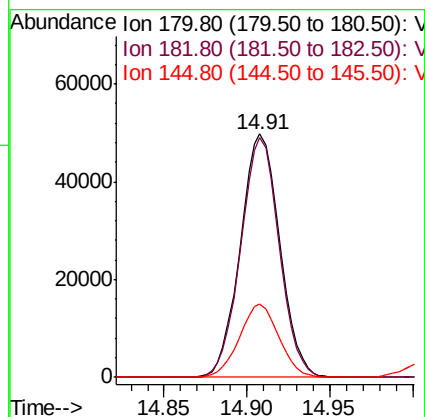
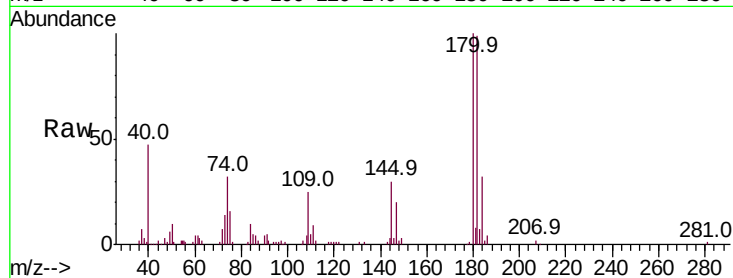
ClientSampleId :

VN0326WBS01

Tot Ion:	180	Resp:	82354
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.0	144.2
145	30.0	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
3/27/2019 9:10:09 AM



#94

Hexachlorobutadiene

Concen: 23.106 ug/l

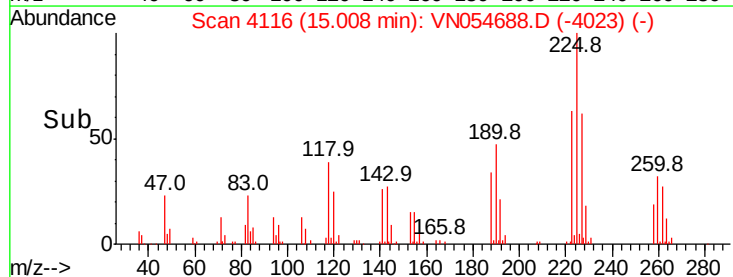
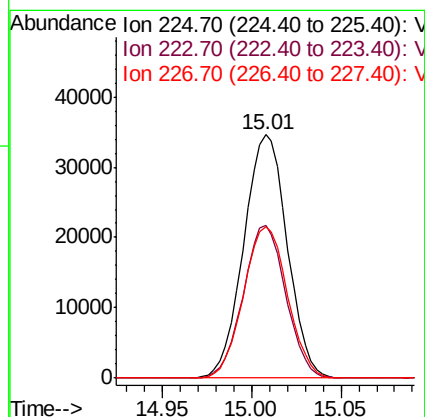
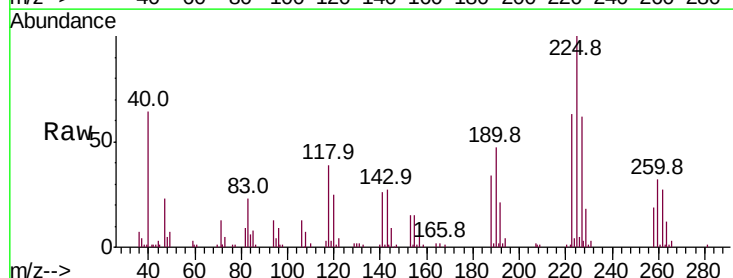
RT: 15.01 min Scan# 4116

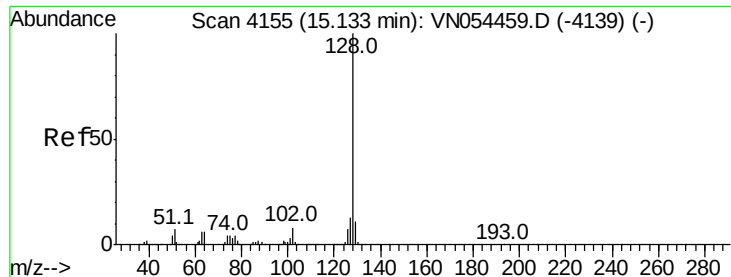
Delta R.T. 0.00 min

Lab File: VN054688.D

Acq: 26 Mar 2019 10:35

Tgt Ion:	225	Resp:	58875
Ion Ratio	Lower	Upper	
225	100		
223	61.5	31.1	93.5
227	62.6	31.9	95.9





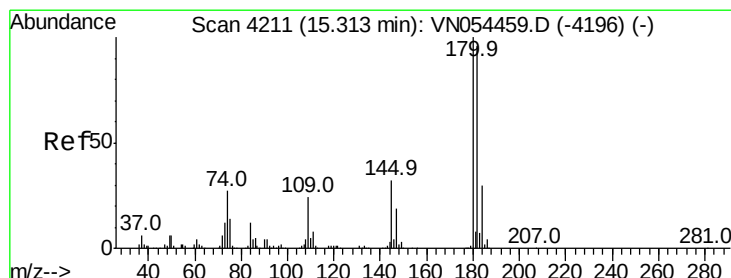
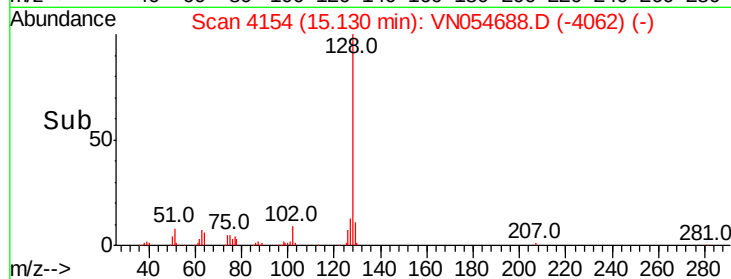
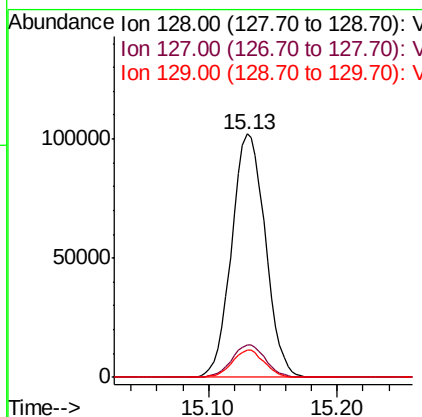
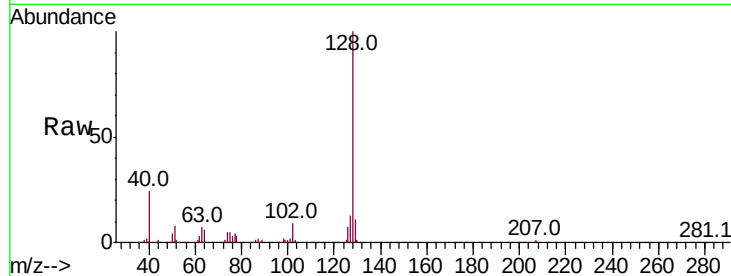
#95
Naphthalene
Concen: 19.350 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VN0326WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/27/2019 9:10:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.574 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054688.D
Acq: 26 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.5	142.6
145	30.1	14.8	44.3

