

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054018.D
 Acq On : 1 Mar 2019 9:43
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 10:23:18 AM

Quant Time: Mar 01 10:05:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 09:50:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	114413	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	633359	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	559433	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	245112	30.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.03%
60) 4-Bromofluorobenzene	12.40	95	261884	31.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.87%
63) Toluene-d8	10.09	98	795221	28.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	321059	46.939	ug/l 100
3) Chloromethane	2.06	50	431301	49.066	ug/l 98
4) Vinyl Chloride	2.19	62	426644	47.825	ug/l 98
5) Bromomethane	2.57	94	261592	47.040	ug/l 97
6) Chloroethane	2.71	64	252326	48.038	ug/l 99
7) Trichlorofluoromethane	3.02	101	523741	48.166	ug/l 99
8) Diethyl Ether	3.41	74	201320	52.026	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	330201	45.883	ug/l 98
10) 1,1-Dichloroethene	3.74	96	313310	48.530	ug/l 97
11) Methyl Iodide	3.96	142	480137	54.636	ug/l 99
12) Methyl Acetate	4.32	43	276653	52.828	ug/l 98
13) Acrolein	3.61	56	122705	323.259	ug/l 98
14) Acrylonitrile	4.99	53	677538	277.435	ug/l 99
15) Acetone	3.81	58	194074	248.225	ug/l 97
16) Carbon Disulfide	4.06	76	1027284	49.980	ug/l 99
17) Allyl chloride	4.33	41	585887	53.268	ug/l 99
18) Methylene Chloride	4.55	84	364299	48.472	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	347205	50.039	ug/l 97
20) Diisopropyl ether	5.95	45	1155737	54.947	ug/l 98
21) 1,1-Dichloroethane	5.85	63	662805	49.512	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	385546	50.933	ug/l 97
23) tert-Butyl Alcohol	4.78	59	122252	285.780	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	897627	55.917	ug/l 99
25) Chloroform	7.37	83	641333	49.214	ug/l 99
26) Cyclohexane	7.65	56	618882	53.896	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	499078	50.893	ug/l 99
30) 2-Butanone	6.83	43	820283	268.674	ug/l 99
31) 2,2-Dichloropropane	6.82	77	485420	48.749	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	530786	48.903	ug/l 98
33) Carbon Tetrachloride	7.77	117	467721	48.631	ug/l 99
34) Benzene	8.04	78	1479099	50.052	ug/l # 94
35) Methacrylonitrile	7.17	41	170255	48.161	ug/l 96
36) 1,2-Dichloroethane	8.12	62	465154	47.009	ug/l 100
37) Trichloroethene	8.83	130	379294	47.998	ug/l 98
38) Methylcyclohexane	9.08	83	588124	52.641	ug/l 100
39) 1,2-Dichloropropane	9.12	63	399376	48.595	ug/l 98
40) Dibromomethane	9.21	93	231925	49.094	ug/l 99

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

41) Bromodichloromethane	9.40	83	490582	49.415	ug/l	99
42) Vinyl Acetate	5.89	43	4226993	285.552	ug/l	100
43) Ethyl Acetate	6.93	43	336042	53.984	ug/l #	67
44) Isopropyl Acetate	8.16	43	588328	53.745	ug/l	96
45) 1,4-Dioxane	9.20	88	74847	1531.849	ug/l	96
46) Methyl methacrylate	9.20	41	286306	58.155	ug/l	98
47) n-amyl Acetate	12.07	43	460234	66.962	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	499668	54.838	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	587794	53.104	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	324360	48.630	ug/l	99
51) Ethyl methacrylate	10.43	69	414153	61.512	ug/l	99
52) 1,3-Dichloropropane	10.71	76	567609	51.503	ug/l	99
53) Dibromochloromethane	10.90	129	361162	51.854	ug/l	99
54) 1,2-Dibromoethane	11.00	107	316330	52.844	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	986131	324.183	ug/l	99
56) Bromoform	12.13	173	241872	54.812	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	1666985	281.499	ug/l	98
59) 2-Hexanone	10.75	43	1094482	286.844	ug/l	99
61) Tetrachloroethene	10.63	164	374474	43.702	ug/l	98
62) Toluene	10.16	91	1562531	49.067	ug/l	100
64) Chlorobenzene	11.43	112	940135	48.562	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	345553	48.521	ug/l	99
66) Ethyl Benzene	11.51	91	1640777	51.318	ug/l	100
67) m/p-Xylenes	11.62	106	1264055	105.283	ug/l	100
68) o-Xylene	11.95	106	605324	51.898	ug/l	100
69) Styrene	11.96	104	985637	56.201	ug/l	100
70) Isopropylbenzene	12.25	105	1602765	52.117	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	394034	51.815	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	304010m	52.636	ug/l	
73) Bromobenzene	12.53	156	401609	51.618	ug/l	98
74) n-propylbenzene	12.59	91	1908369	52.841	ug/l	100
75) 2-Chlorotoluene	12.67	91	1113267	51.668	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	1367051	53.012	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	110492	61.086	ug/l	98
78) 4-Chlorotoluene	12.77	91	1123169	53.308	ug/l	99
79) tert-butylbenzene	12.99	119	1178637	51.715	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	1378284	54.849	ug/l	100
81) sec-Butylbenzene	13.17	105	1633291	51.941	ug/l	99
82) p-Isopropyltoluene	13.29	119	1407126	53.915	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	719145	53.911	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	688020	55.606	ug/l	100
85) n-Butylbenzene	13.61	91	1254194	59.513	ug/l	100
86) Hexachloroethane	13.87	117	249841	50.137	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	700354	53.101	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	60277	57.052	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	378568	72.592	ug/l	100
90) Hexachlorobutadiene	15.01	225	250788	48.314	ug/l	100
91) Naphthalene	15.13	128	782791	84.934	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	365847	66.257	ug/l	98

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

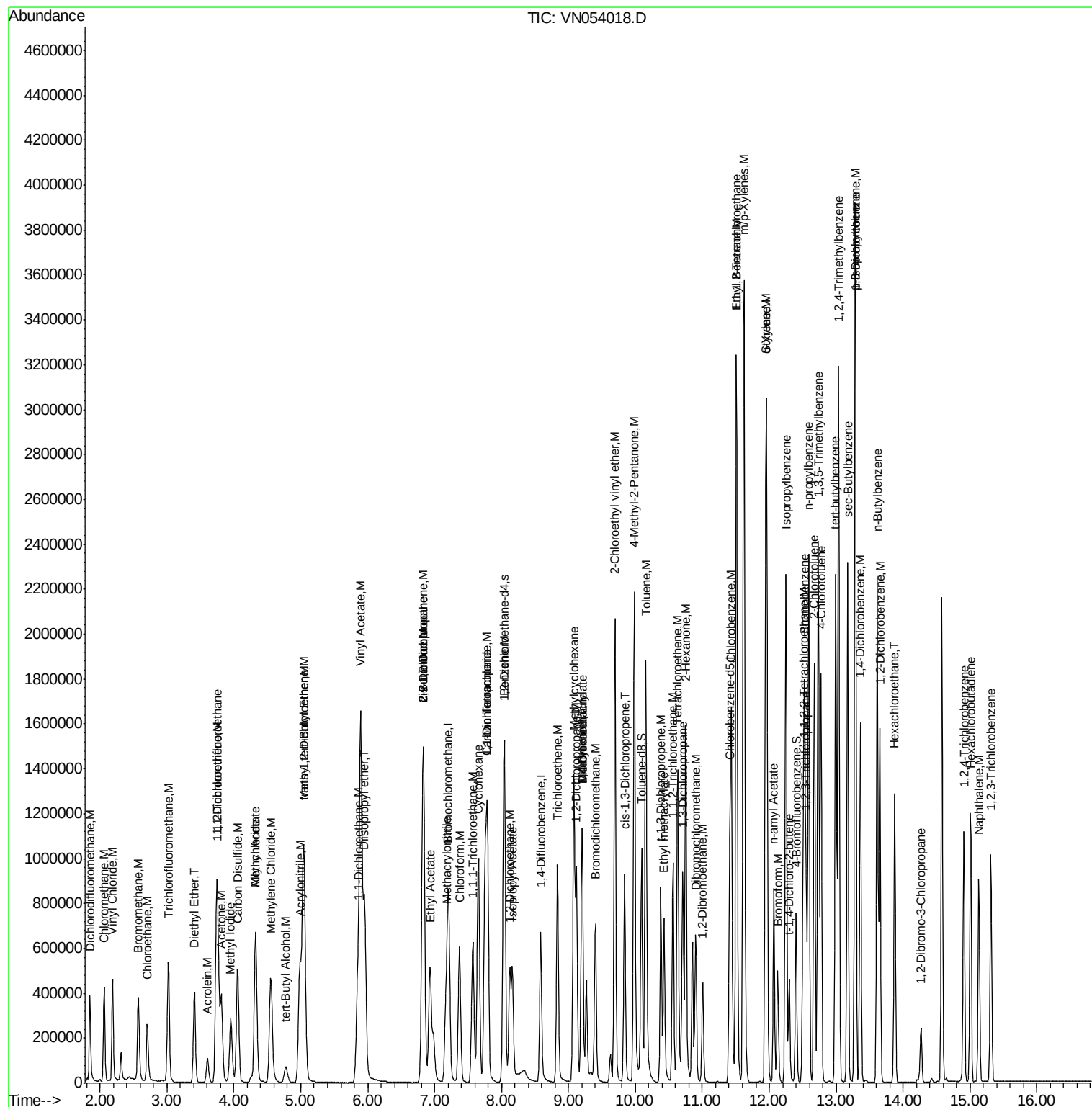
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
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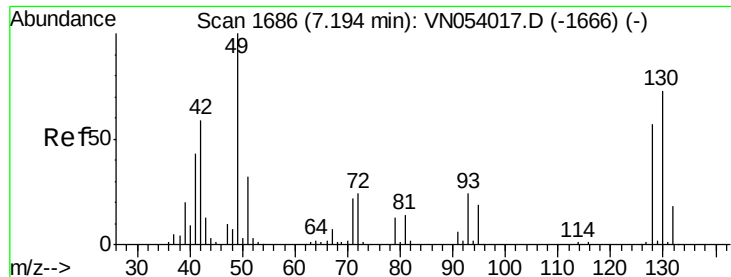
Instrument :
MSVOA_N
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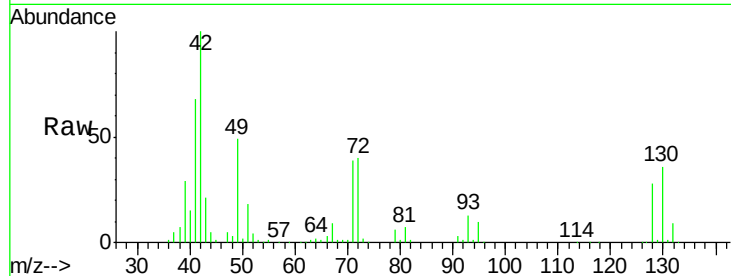
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

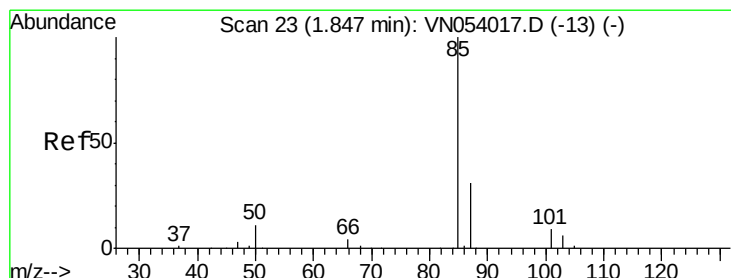
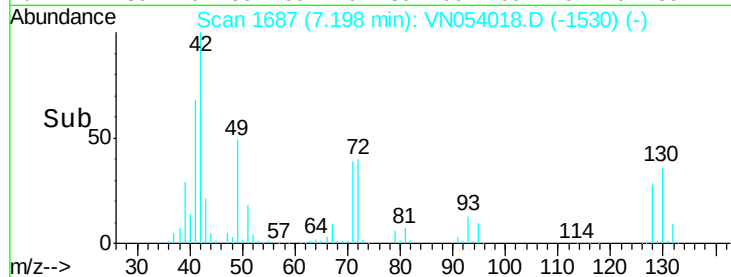
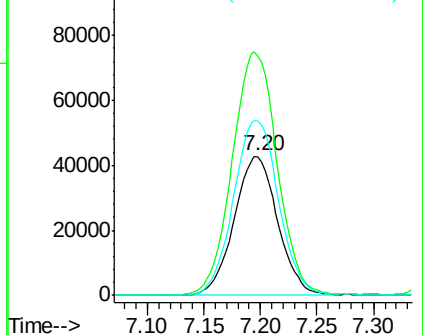
Tot Ion	Ratio	Lower	Upper
128	100		
49	181.4	0.0	431.8
130	130.6	0.0	317.0

Manual Integrations
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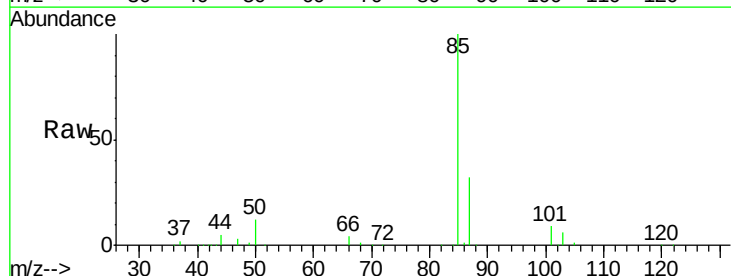


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V

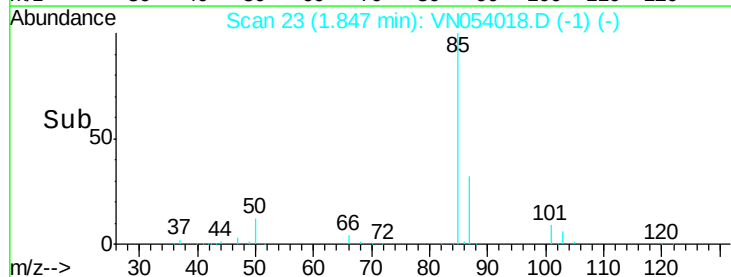
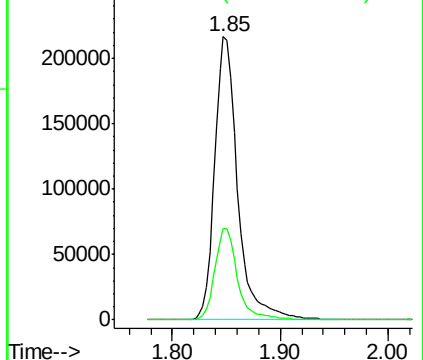


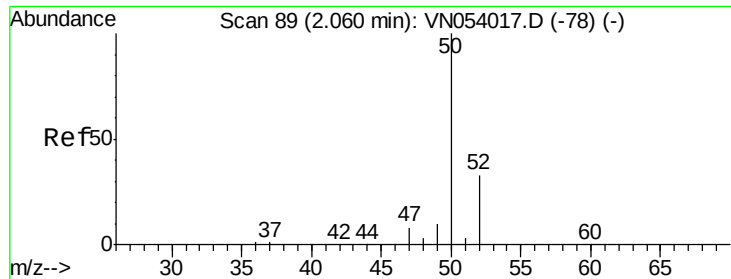
#2
Dichlorodifluoromethane
Concen: 46.939 ug/l
RT: 1.85 min Scan# 23
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.1	48.3



Abundance Ion 85.00 (84.70 to 85.70): V
Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 49.066 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Tot Ion: 50 Resp: 431301

Ion Ratio Lower Upper

50 100

52 32.1 26.5 39.7

Instrument :

MSVOA_N

ClientSampled :

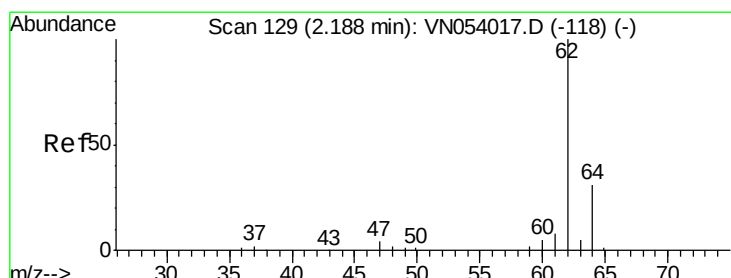
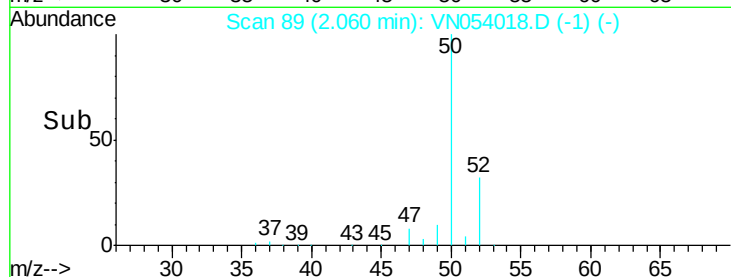
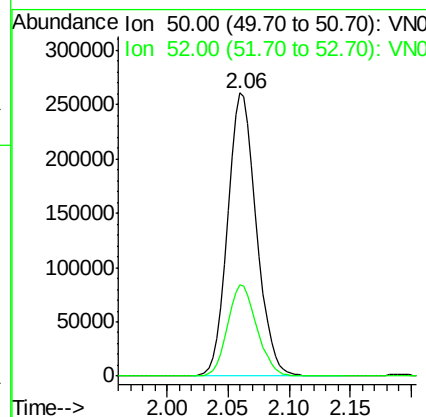
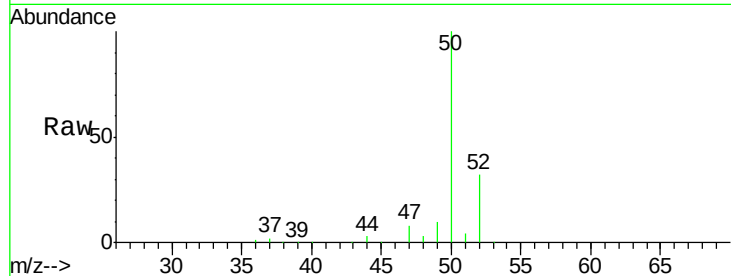
VSTDIC050

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.825 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054018.D

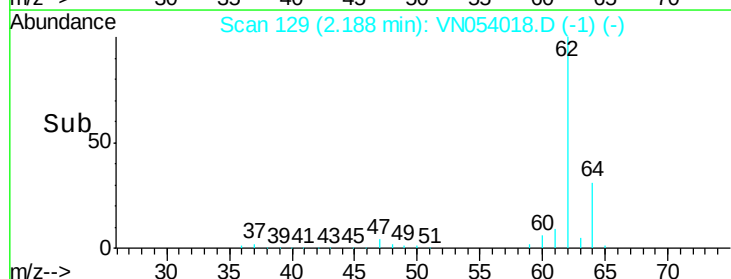
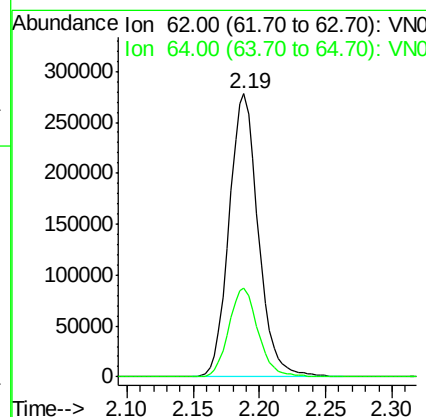
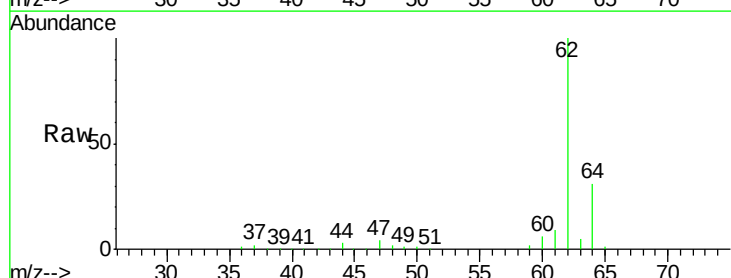
Acq: 1 Mar 2019 9:43

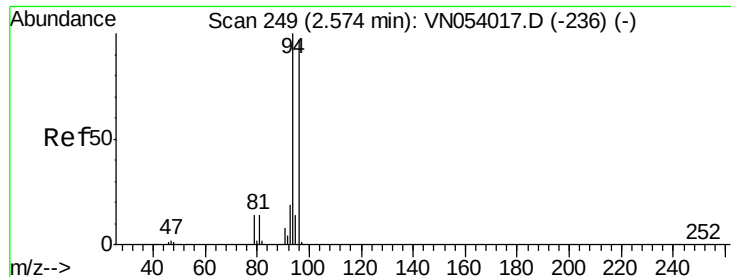
Tgt Ion: 62 Resp: 426644

Ion Ratio Lower Upper

62 100

64 31.3 24.2 36.4





#5

Bromomethane

Concen: 47.040 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 94 Resp: 261592

Ion Ratio Lower Upper

94 100

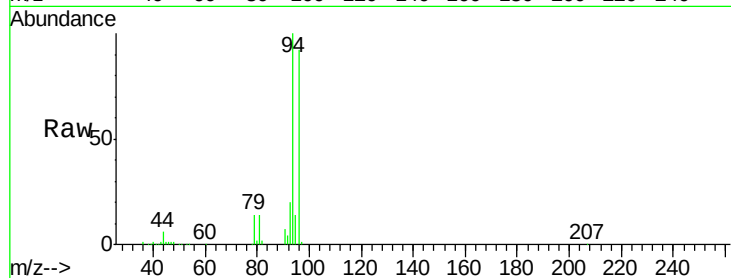
96 92.1 76.2 114.2

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.57

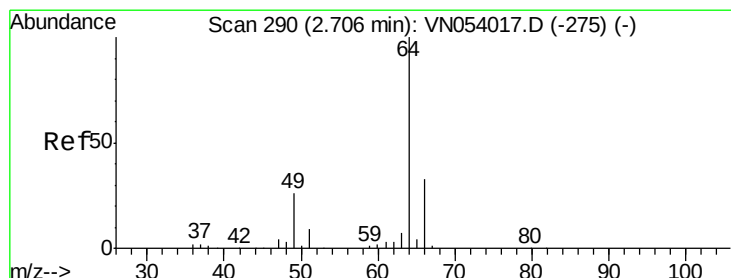
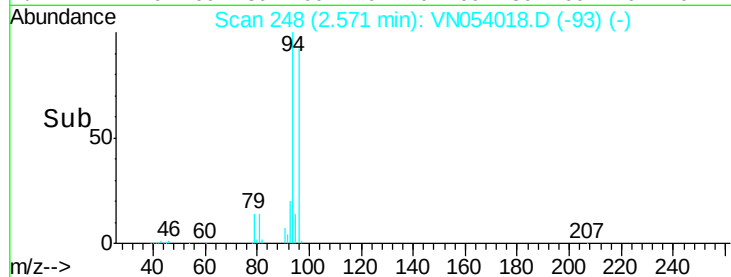
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 48.038 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054018.D

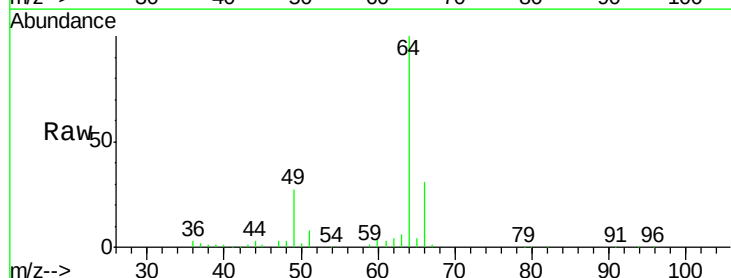
Acq: 1 Mar 2019 9:43

Tgt Ion: 64 Resp: 252326

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.71

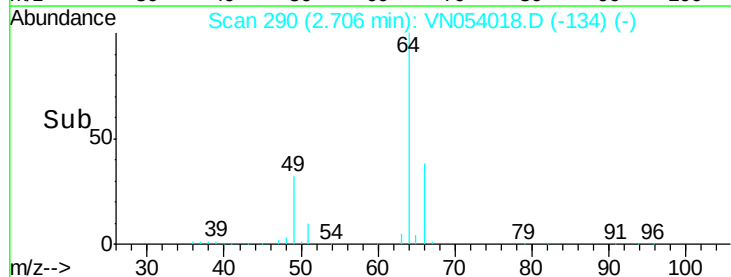
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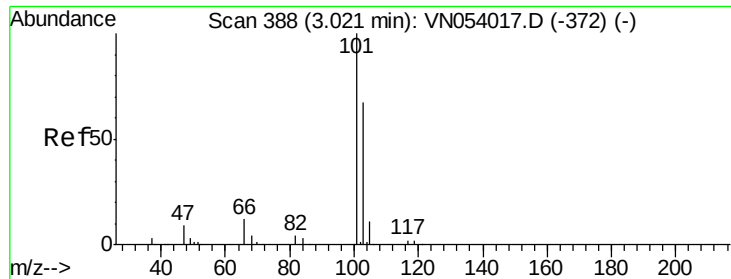
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50000

0

Time-->





#7

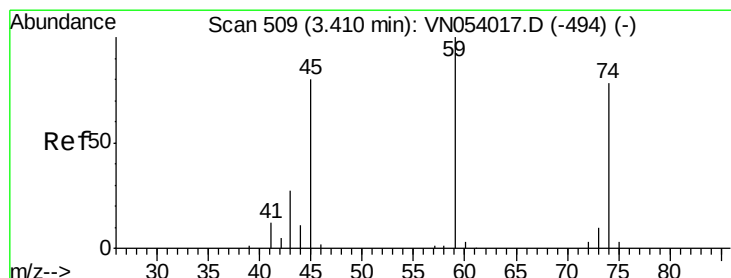
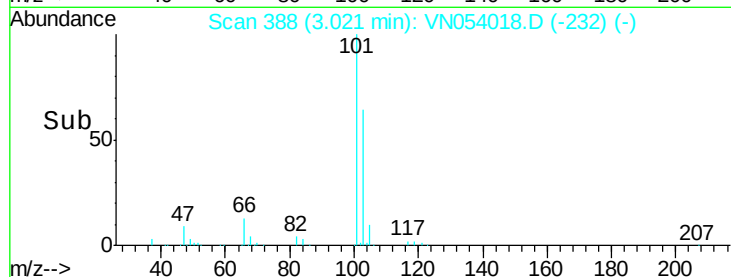
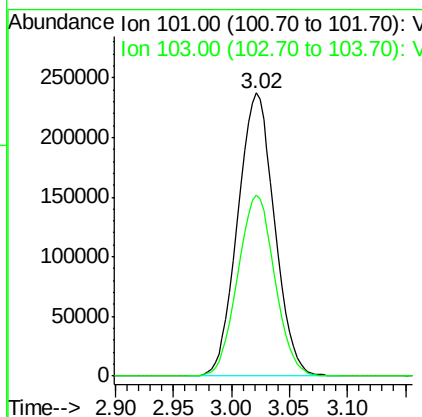
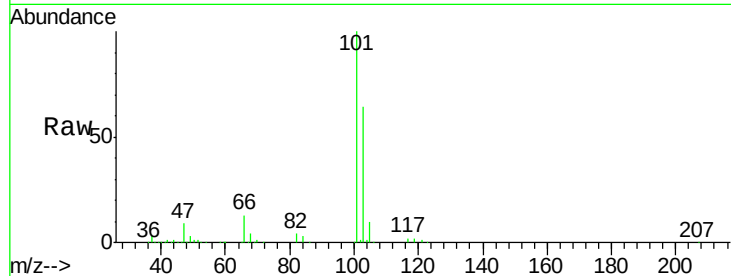
Trichlorofluoromethane
Concen: 48.166 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1

Manual Integrations
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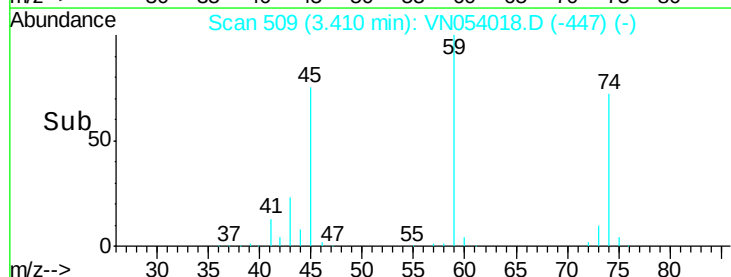
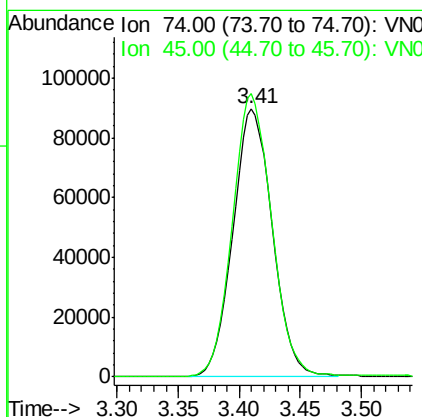
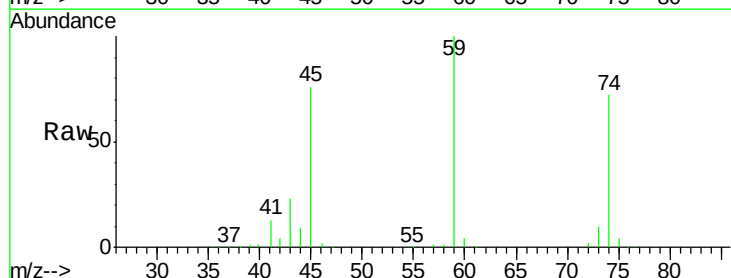
MMDadoda
3/6/2019 10:23:18 AM

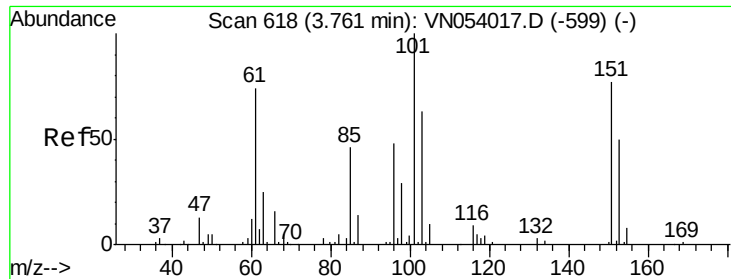


#8

Diethyl Ether
Concen: 52.026 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.883 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN054018.D

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Instrument :

MSVOA_N

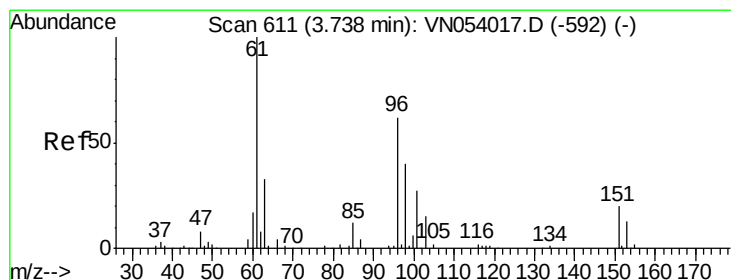
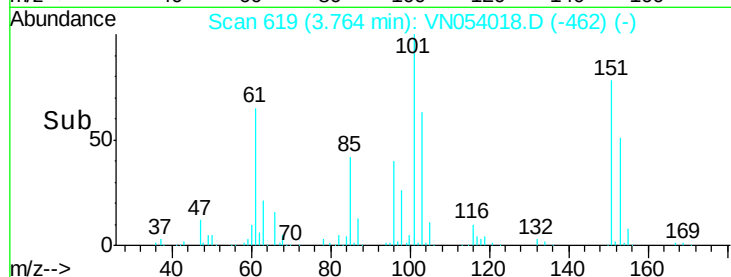
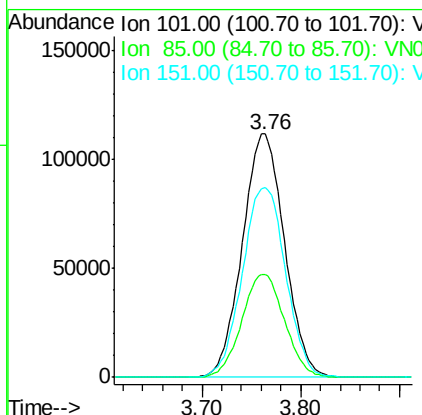
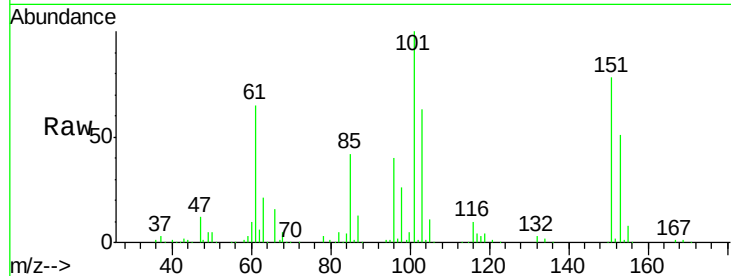
ClientSampled :

VSTDIC050

Tot Ion:	101	Resp:	330201
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	82.6
151	80.3	0.0	158.4

Manual Integrations
APPROVED

MMDadoda
3/6/2019 10:23:18 AM



#10

1,1-Dichloroethene

Concen: 48.530 ug/l

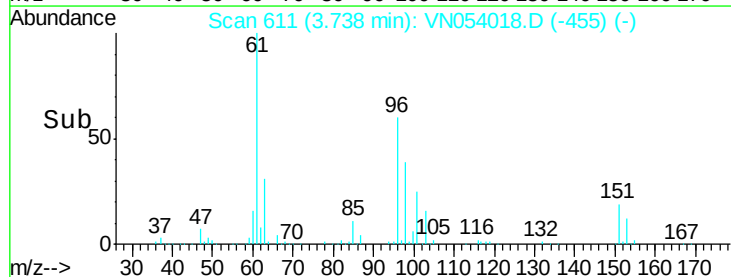
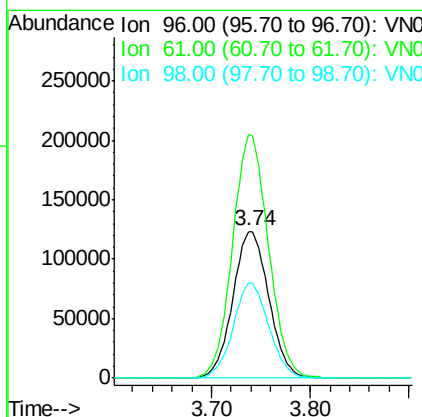
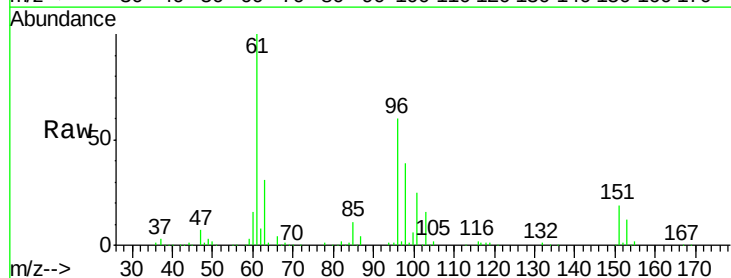
RT: 3.74 min Scan# 611

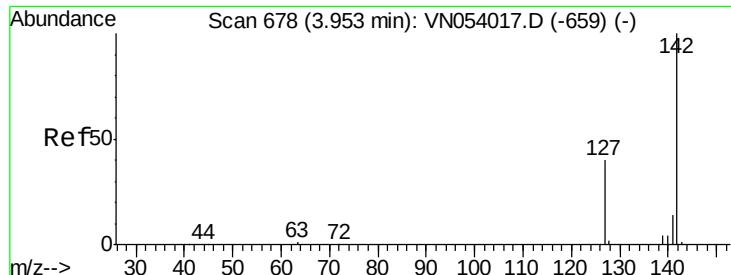
Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Tgt Ion:	96	Resp:	313310
Ion Ratio	Lower	Upper	
96	100		
61	166.1	129.4	194.2
98	65.1	50.4	75.6





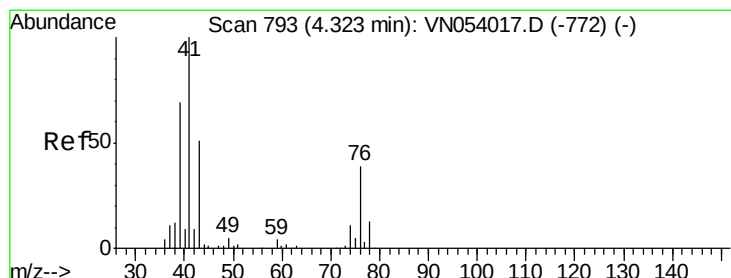
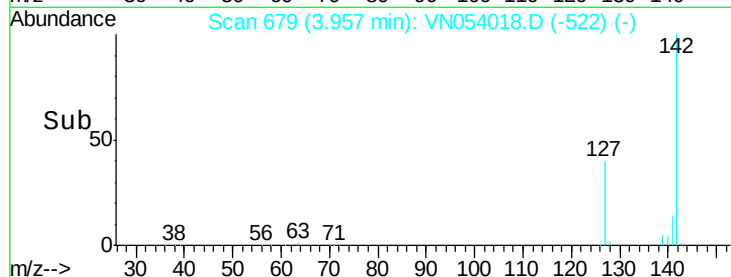
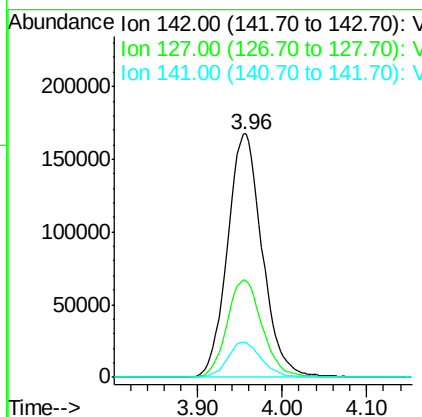
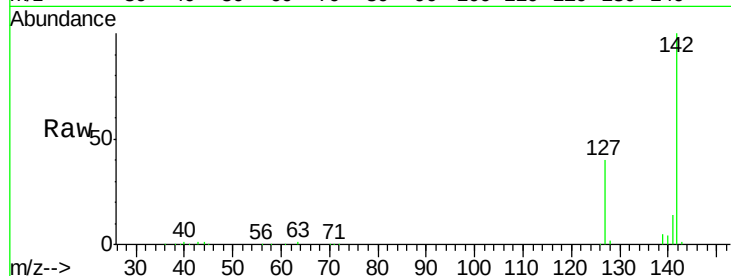
#11
Methyl Iodide
Concen: 54.636 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.7	19.4	58.1
141	14.2	7.2	21.6

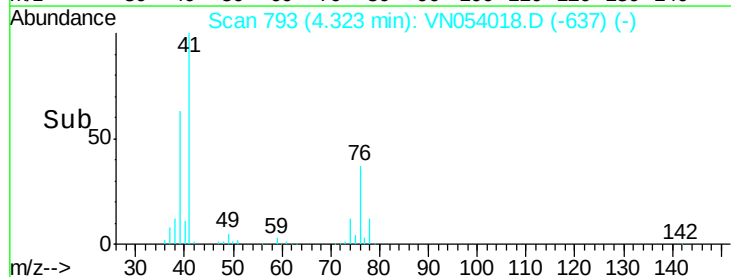
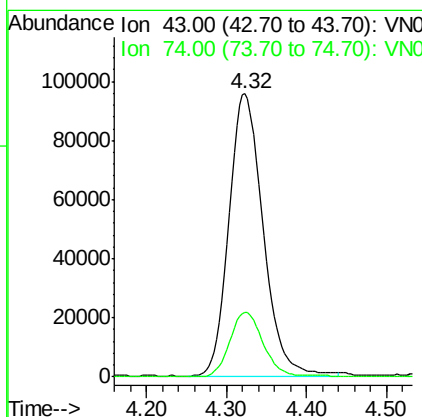
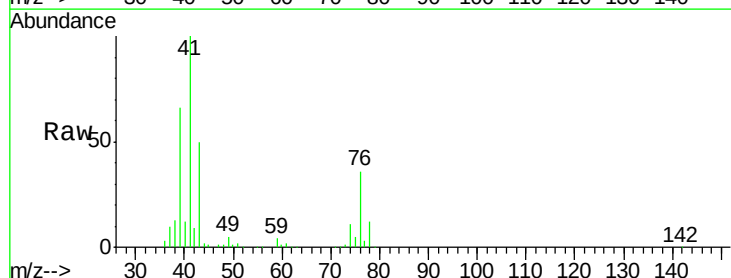
Manual Integrations
APPROVED

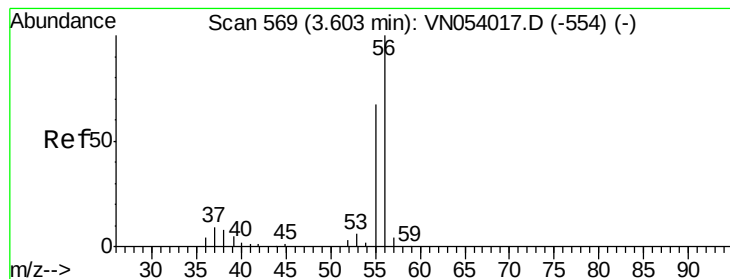
MMDadoda
3/6/2019 10:23:18 AM



#12
Methyl Acetate
Concen: 52.828 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	18.9	28.3





#13

Acrolein

Concen: 323.259 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 56 Resp: 122705

Ion Ratio Lower Upper

56 100

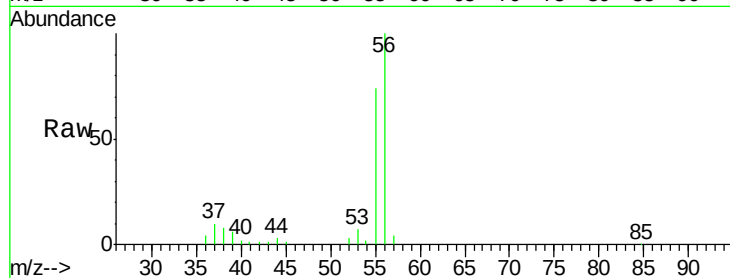
55 72.2 56.7 85.1

Manual Integrations

APPROVED

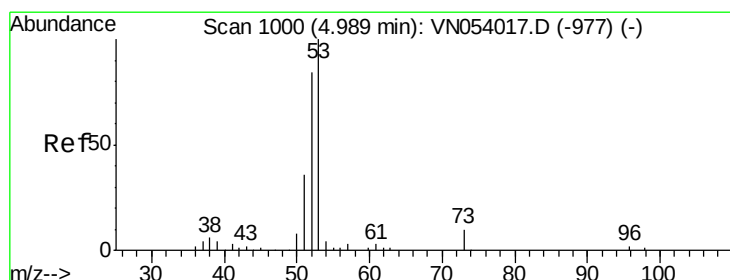
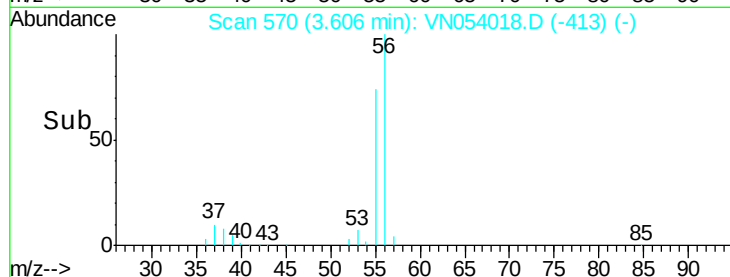
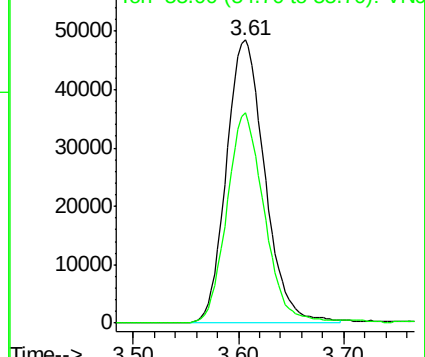
MMDadoda

3/6/2019 10:23:18 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 277.435 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

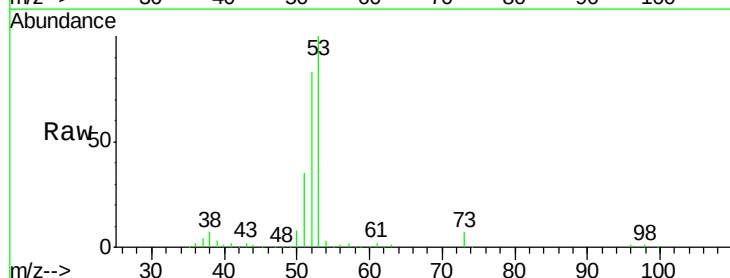
Tgt Ion: 53 Resp: 677538

Ion Ratio Lower Upper

53 100

52 81.0 39.9 119.7

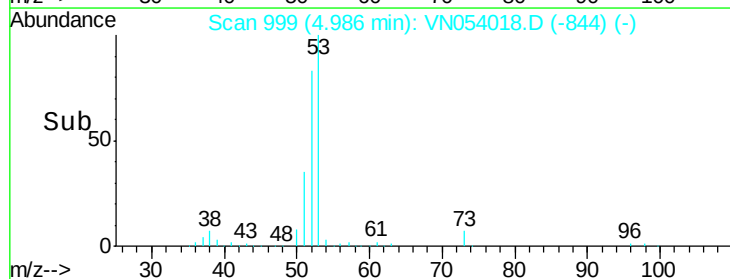
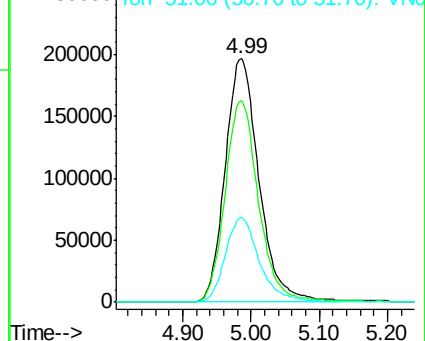
51 35.1 17.6 52.9

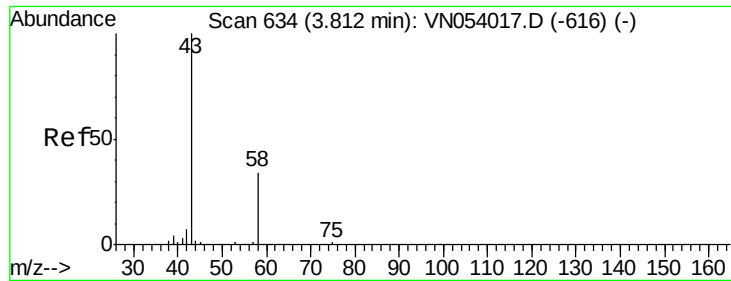


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 248.225 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 58 Resp: 194074

Ion Ratio Lower Upper

58 100

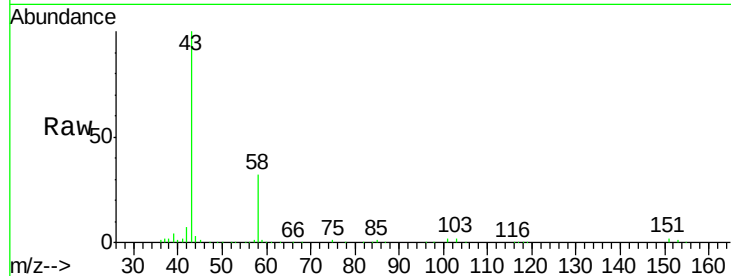
43 310.4 243.6 365.4

Manual Integrations

APPROVED

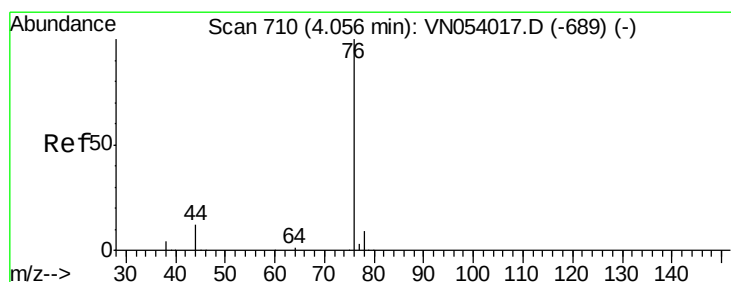
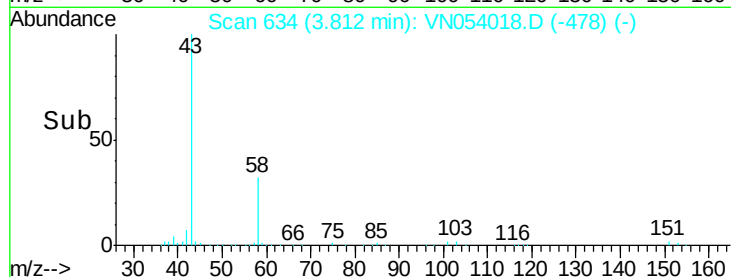
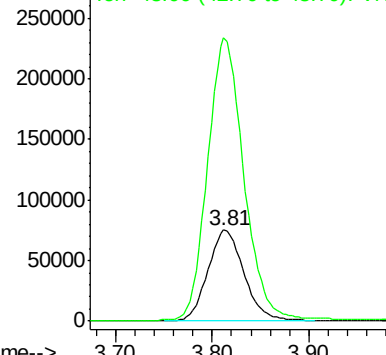
MMDadoda

3/6/2019 10:23:18 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 49.980 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN054018.D

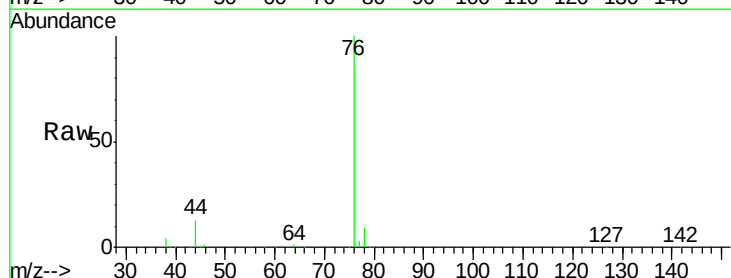
Acq: 1 Mar 2019 9:43

Tgt Ion: 76 Resp: 1027284

Ion Ratio Lower Upper

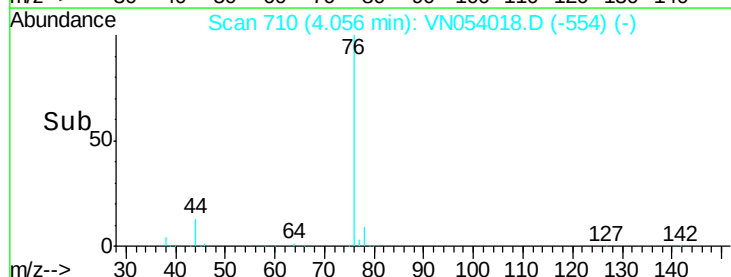
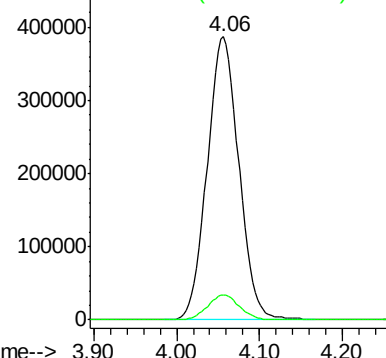
76 100

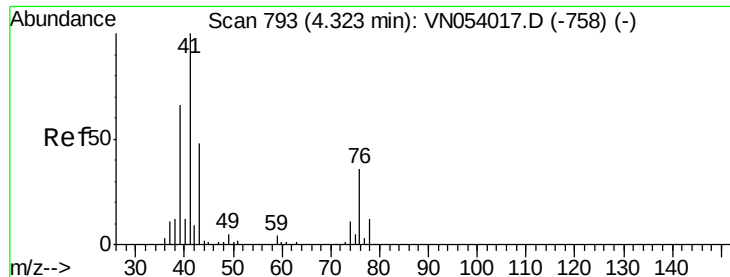
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





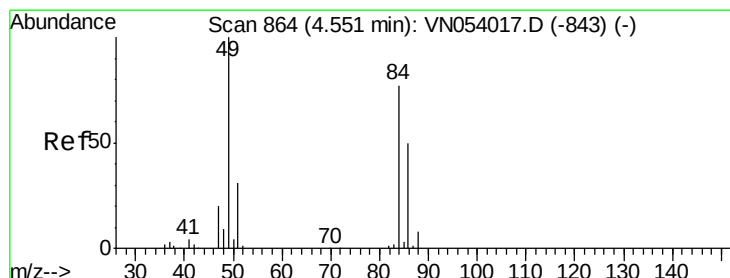
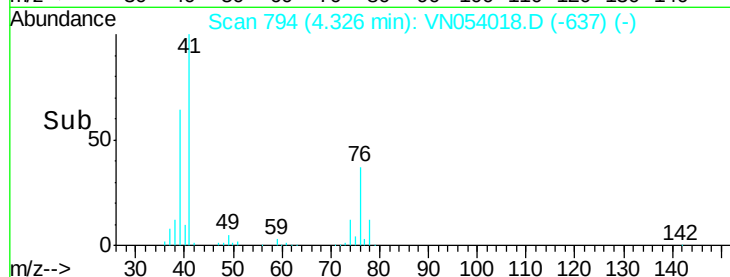
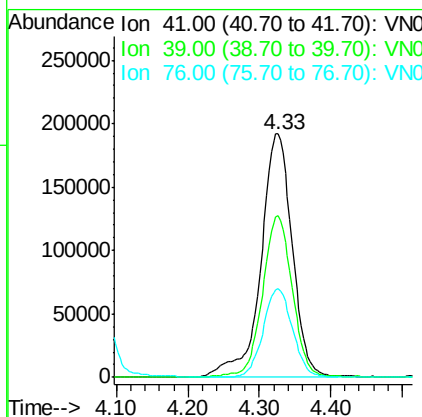
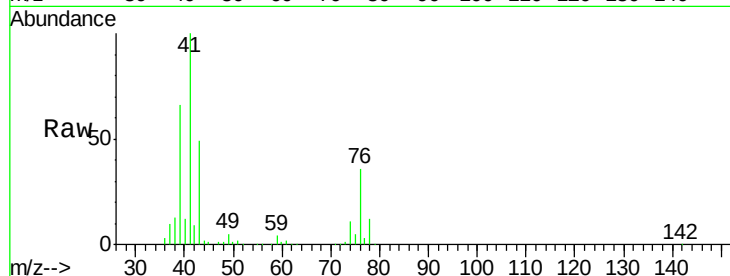
#17
Allvl chloride
Concen: 53.268 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.3	32.8	98.3
76	36.2	18.6	55.8

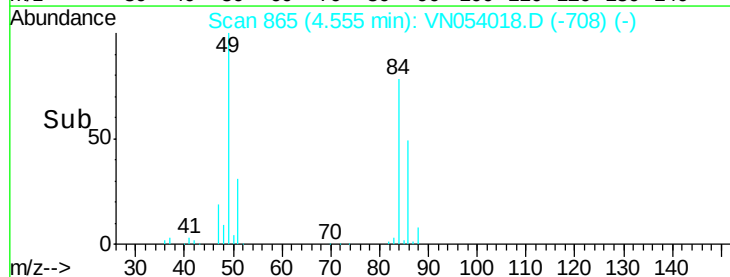
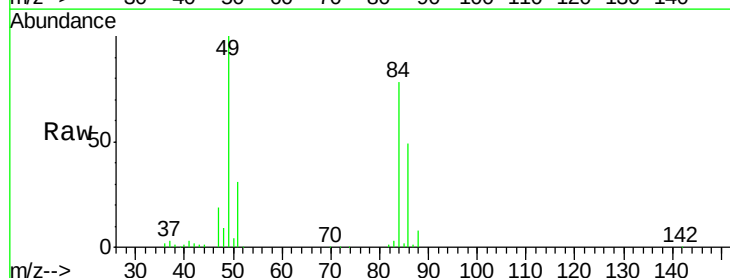
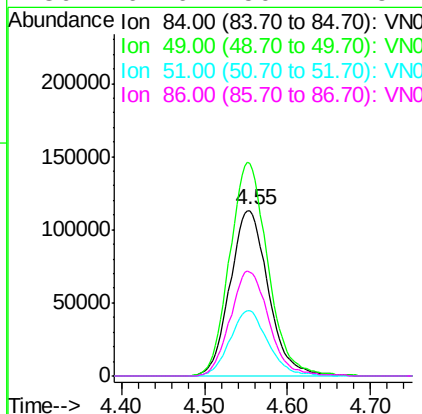
Manual Integrations
APPROVED

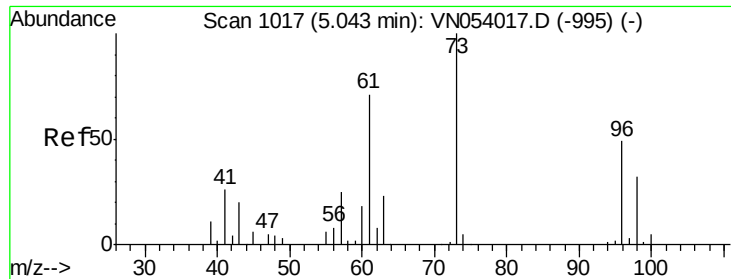
MMDadoda
3/6/2019 10:23:18 AM



#18
Methylene Chloride
Concen: 48.472 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.0	101.4	152.0
51	39.1	31.7	47.5
86	62.6	50.1	75.1





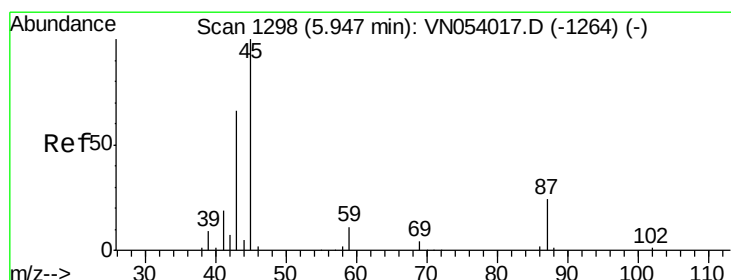
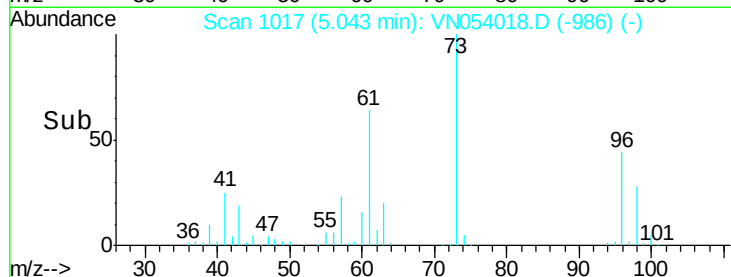
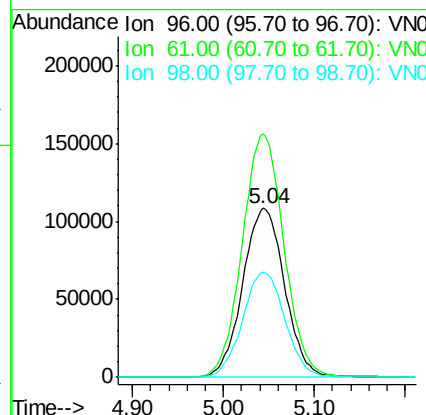
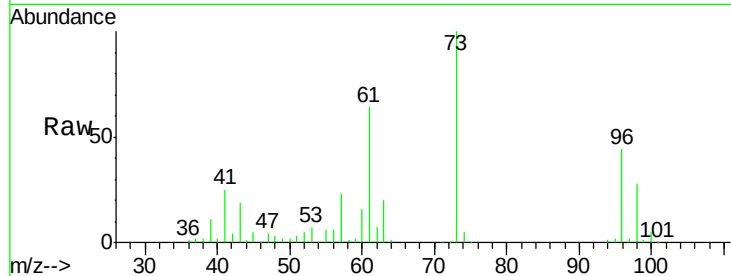
#19
trans-1,2-Dichloroethene
Concen: 50.039 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	118.2	177.4
98	62.4	51.4	77.2

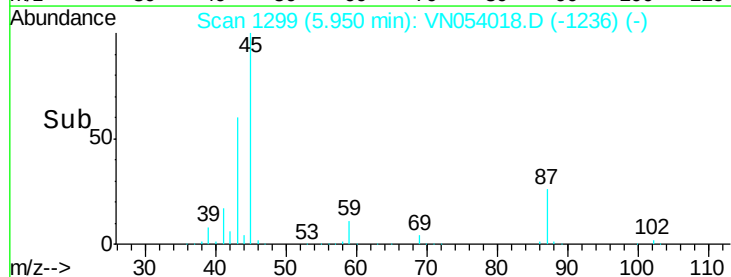
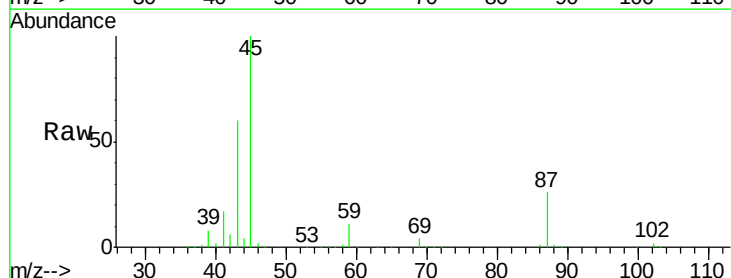
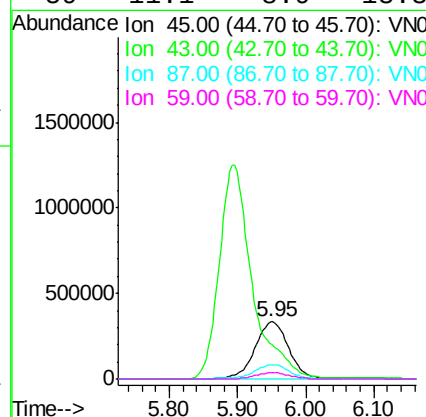
Manual Integrations
APPROVED

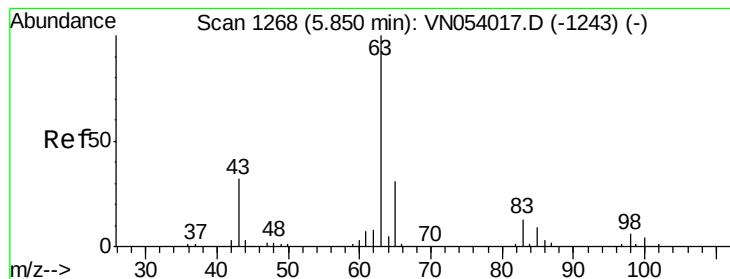
MMDadoda
3/6/2019 10:23:18 AM



#20
Diisopropyl ether
Concen: 54.947 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.1	47.8	71.8
87	25.1	21.3	31.9
59	11.1	8.9	13.3





#21

1,1-Dichloroethane

Concen: 49.512 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

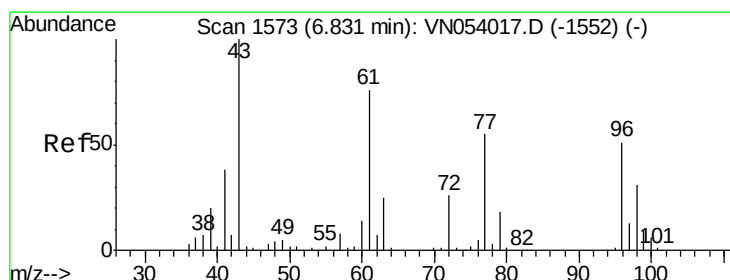
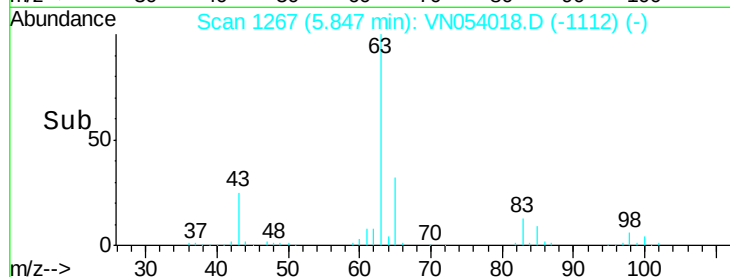
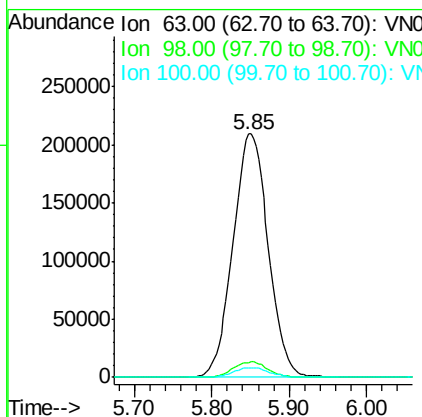
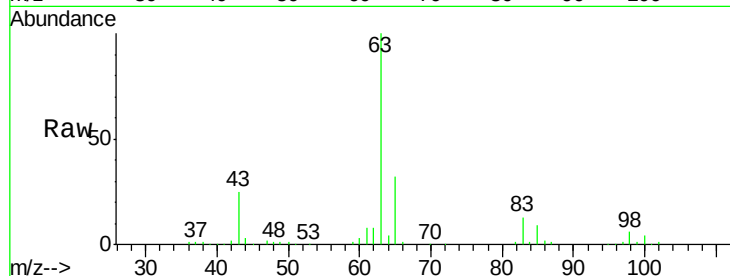
ClientSampled :

VSTDIC050

Tot Ion:	63	Resp:	662805
Ion Ratio		Lower	Upper
63	100		
98	6.2	3.0	9.2
100	3.9	1.8	5.5

Manual Integrations
APPROVED

MMDadoda
3/6/2019 10:23:18 AM



#22

cis-1,2-Dichloroethene

Concen: 50.933 ug/l

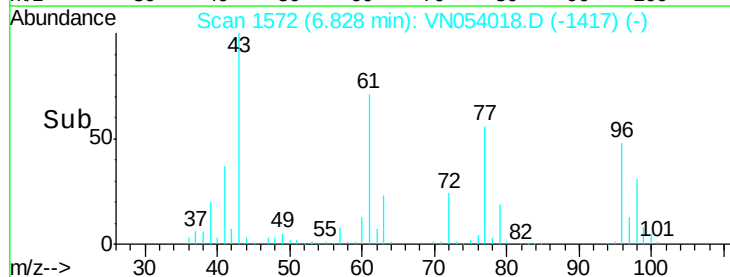
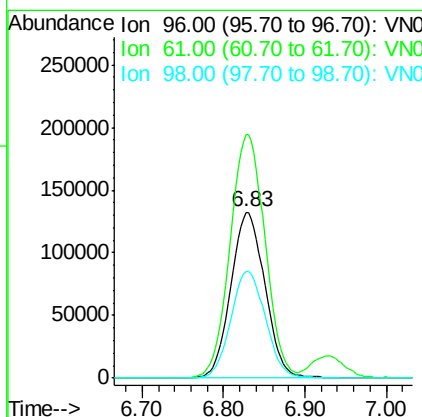
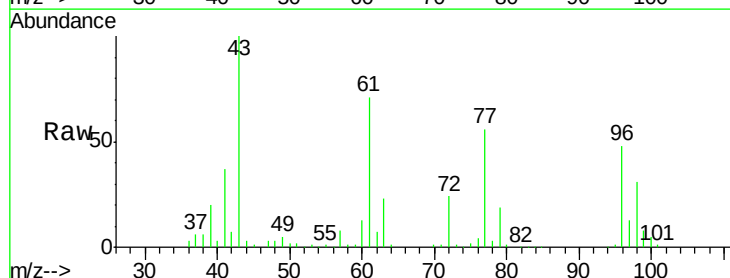
RT: 6.83 min Scan# 1572

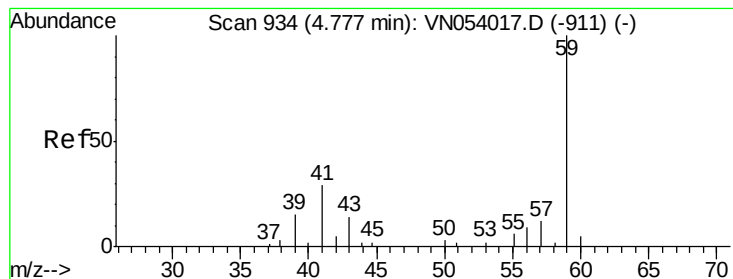
Delta R.T. -0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Tgt Ion:	96	Resp:	385546
Ion Ratio		Lower	Upper
96	100		
61	150.4	116.7	175.1
98	65.5	50.8	76.2





#23

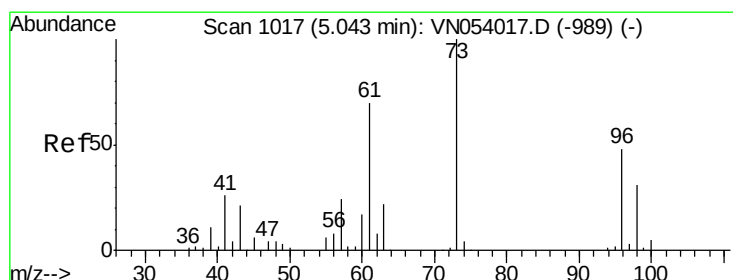
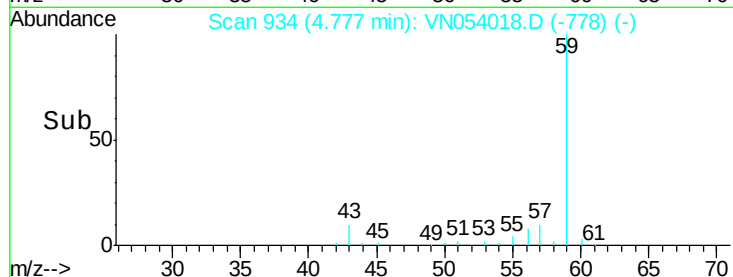
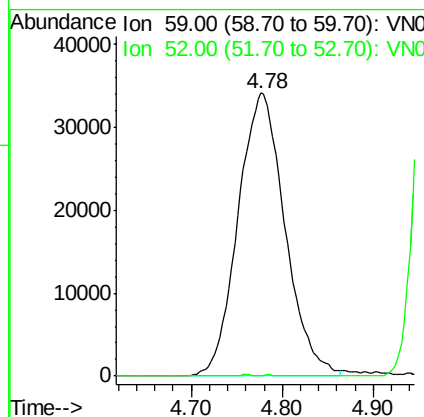
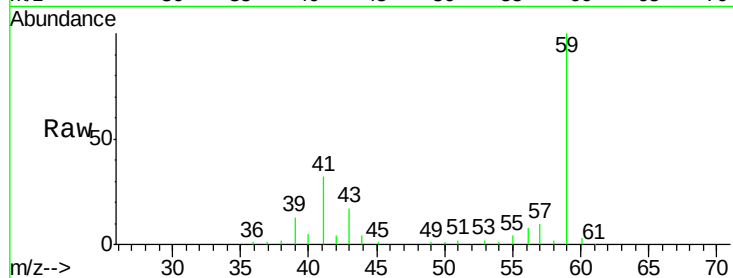
tert-Butyl Alcohol
 Concen: 285.780 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

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

Manual Integrations
 APPROVED

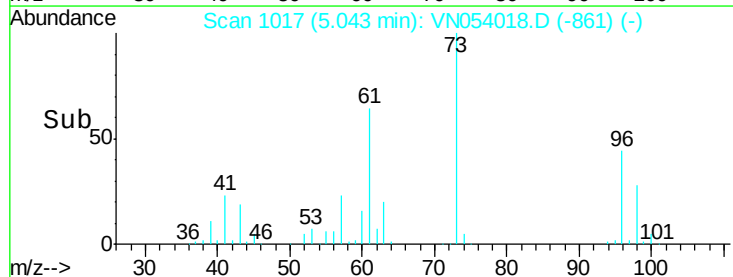
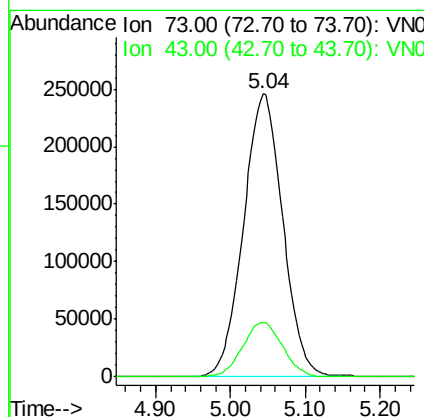
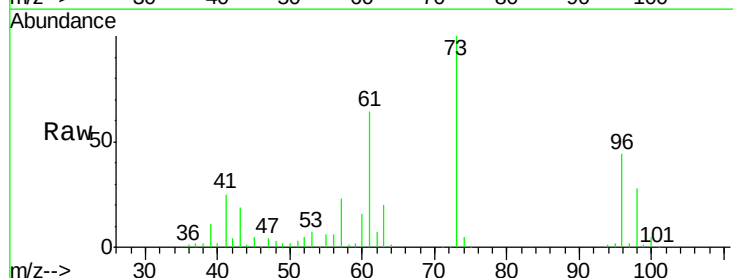
MMDadoda
 3/6/2019 10:23:18 AM

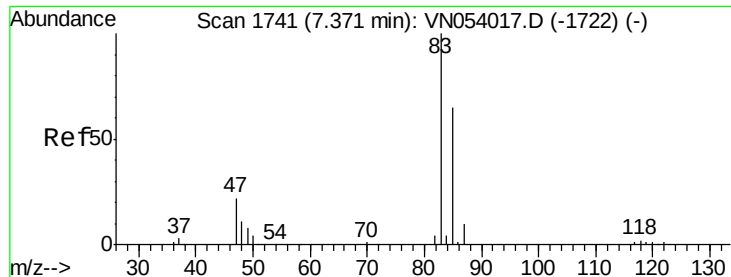


#24

Methyl tert-Butyl Ether
 Concen: 55.917 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.3	15.8	23.8





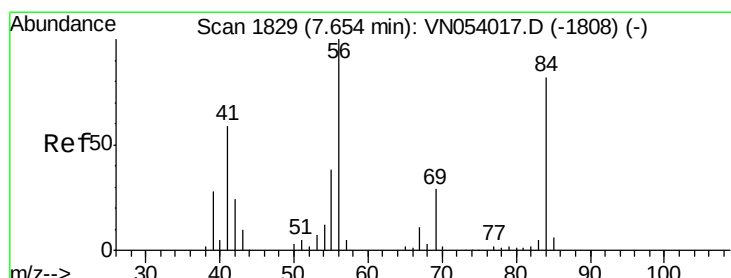
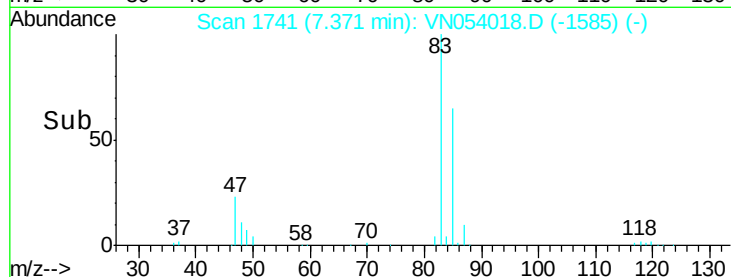
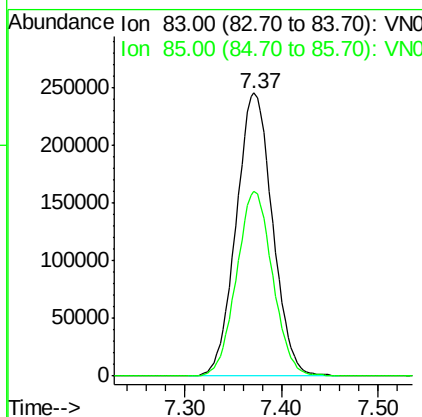
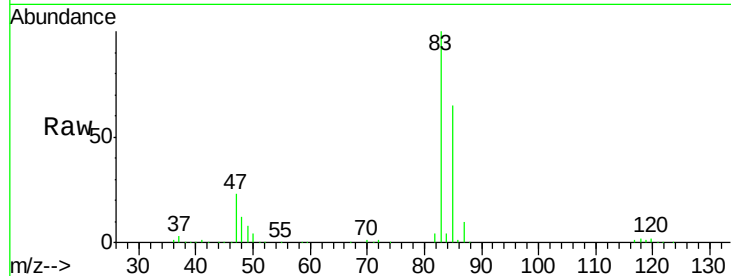
#25
Chloroform
Concen: 49.214 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	83	Resp	641333
Ion Ratio	100	Lower	Upper
85	65.3	51.7	77.5

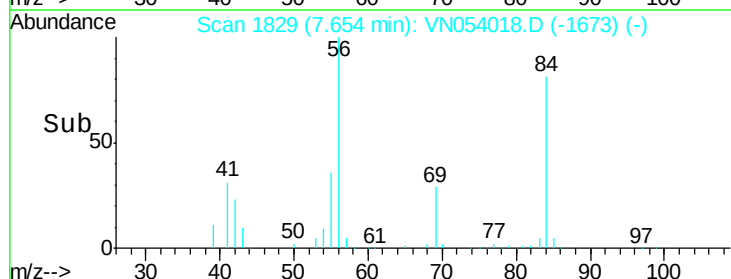
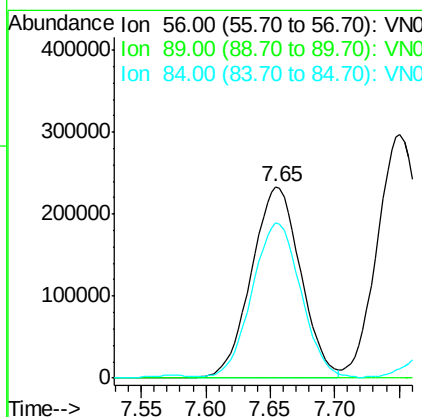
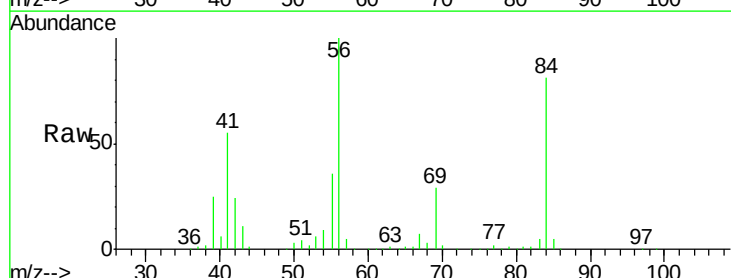
Manual Integrations
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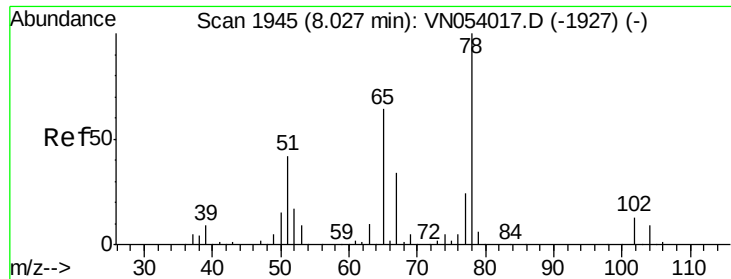
MMDadoda
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#26
Cyclohexane
Concen: 53.896 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion	56	Resp	618882
Ion Ratio	100	Lower	Upper
89	0.0	0.5	0.7#
84	81.2	66.2	99.2





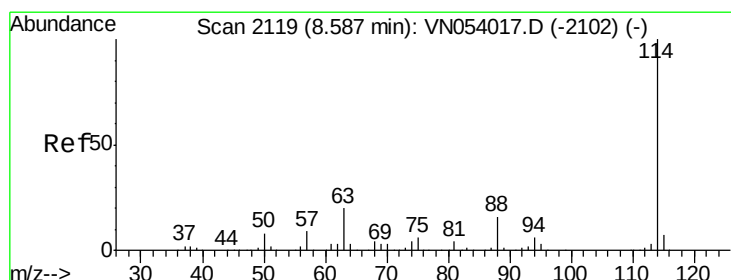
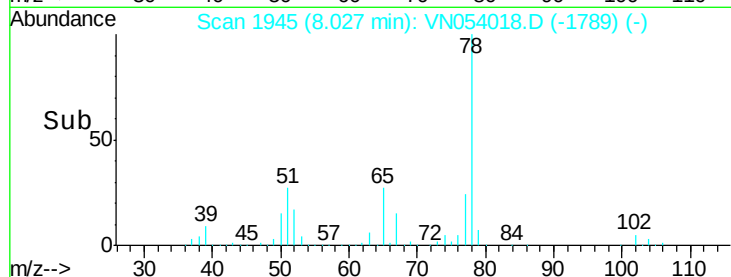
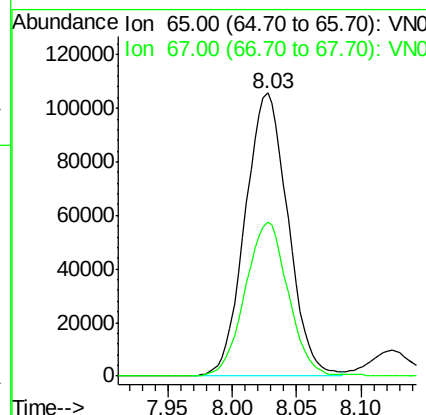
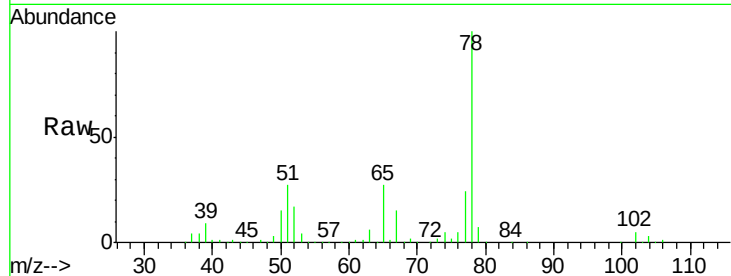
#27
 1,2-Dichloroethane-d4
 Concen: 53.896 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	44.6	66.8

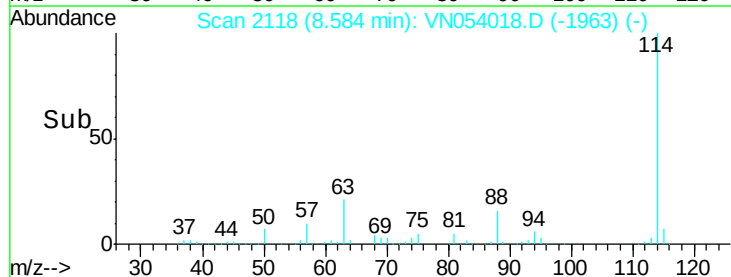
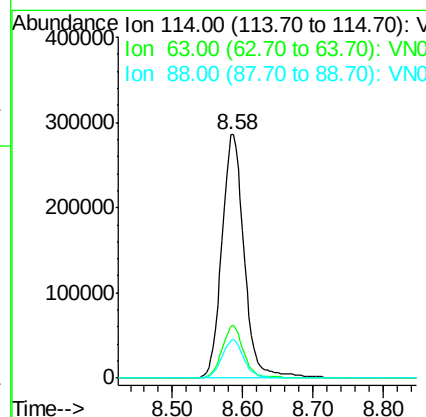
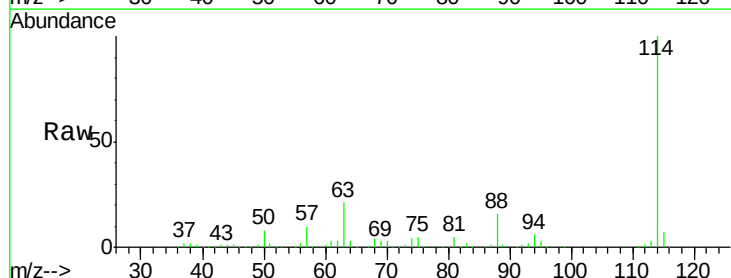
Manual Integrations
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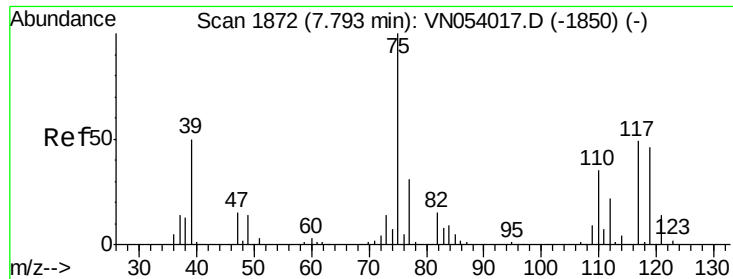
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	16.9	25.3
88	15.2	12.8	19.2





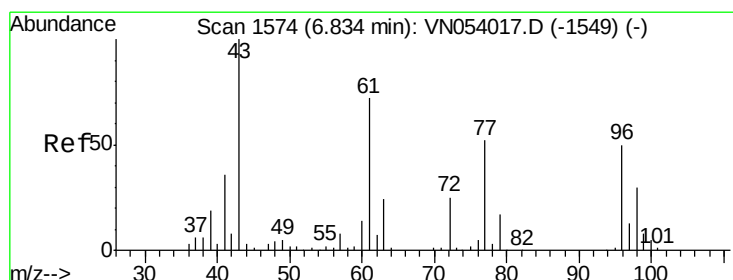
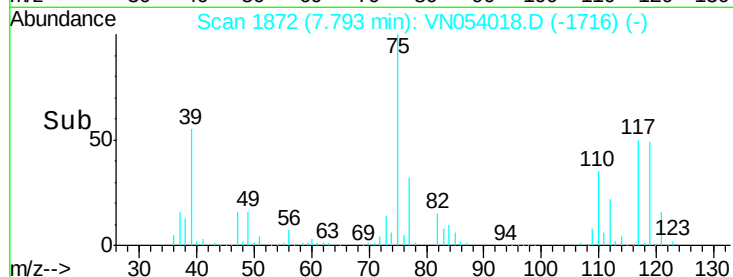
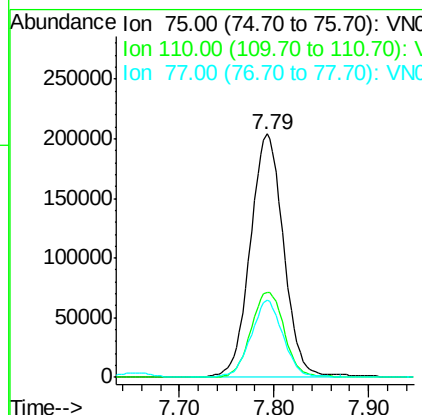
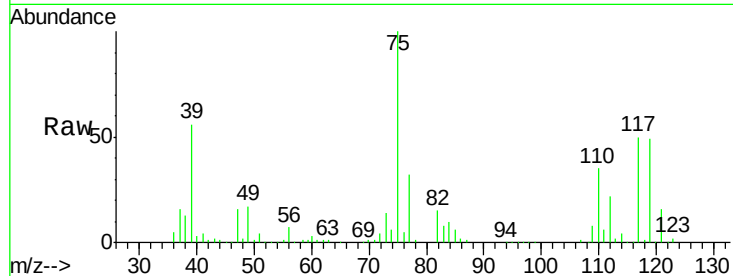
#29
 1,1-Dichloropropene
 Concen: 50.893 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.4	0.0	70.2
77	30.6	0.0	62.6

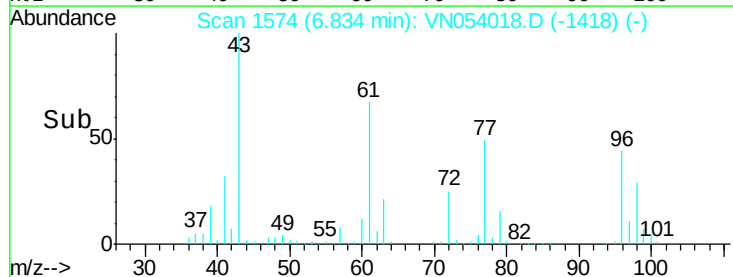
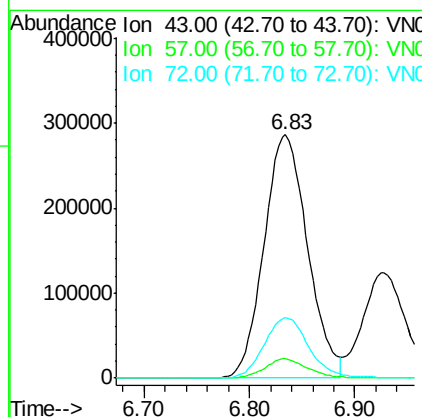
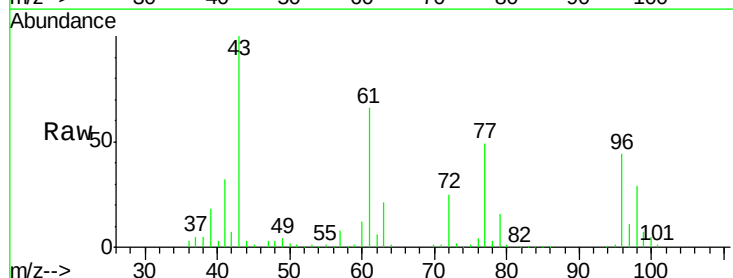
Manual Integrations
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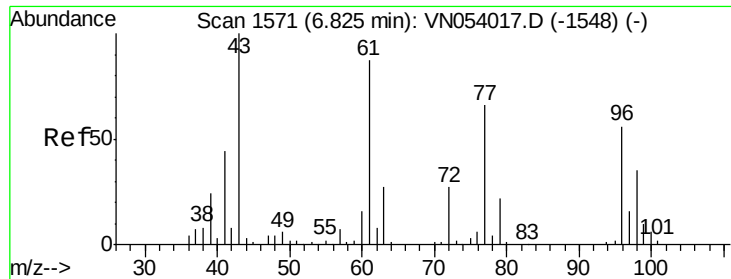
MMDadoda
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#30
 2-Butanone
 Concen: 268.674 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.8	6.2	9.4
72	25.4	21.0	31.6





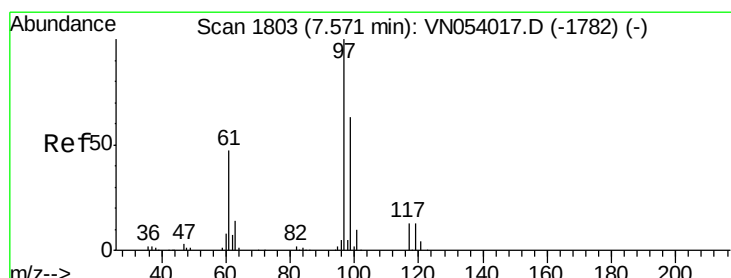
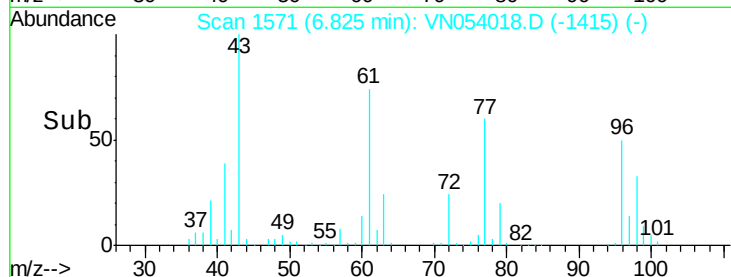
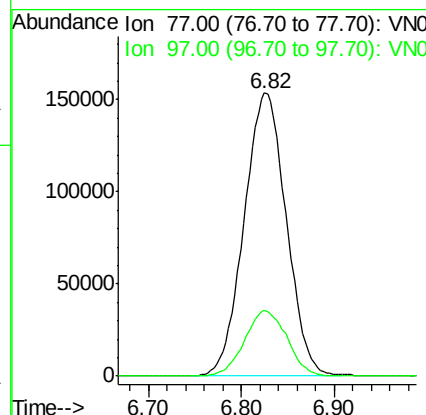
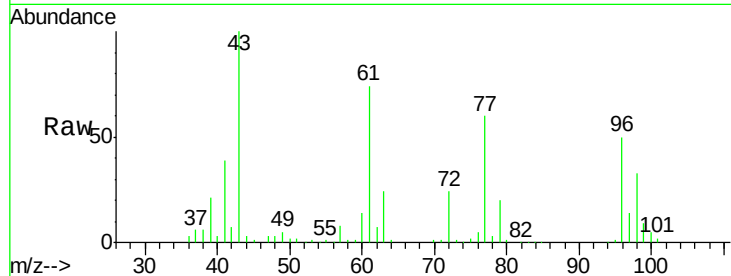
#31
 2,2-Dichloropropane
 Concen: 48.749 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion: 77 Resp: 485420
 Ion Ratio Lower Upper
 77 100
 97 23.3 18.7 28.1

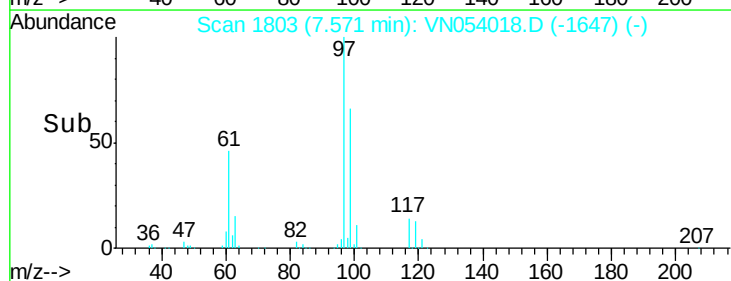
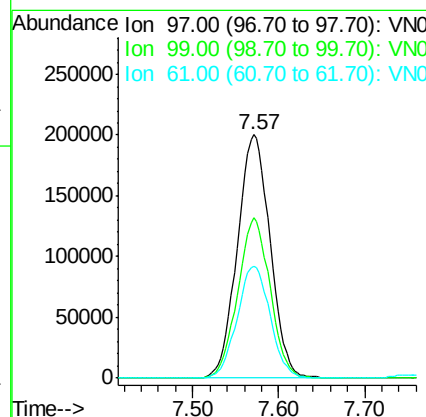
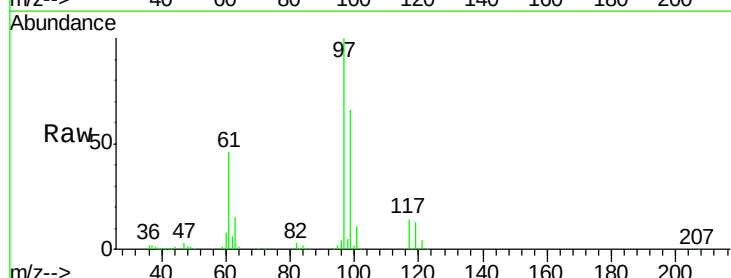
Manual Integrations
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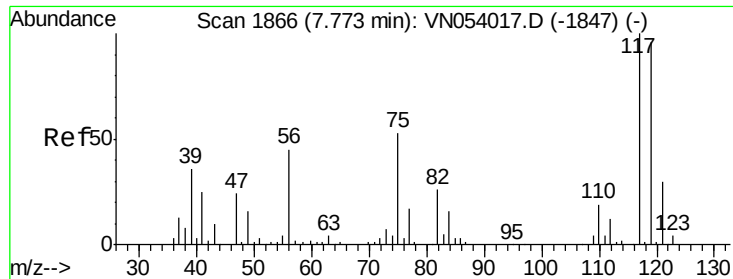
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 48.903 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion: 97 Resp: 530786
 Ion Ratio Lower Upper
 97 100
 99 64.9 50.9 76.3
 61 46.0 38.1 57.1





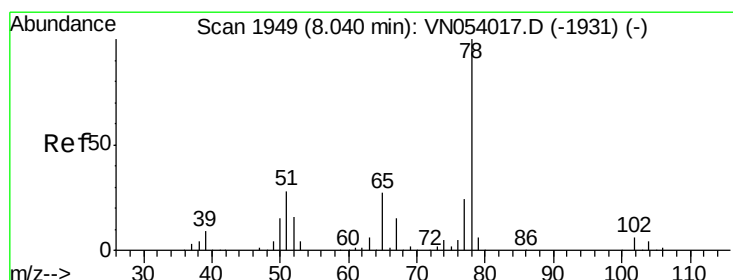
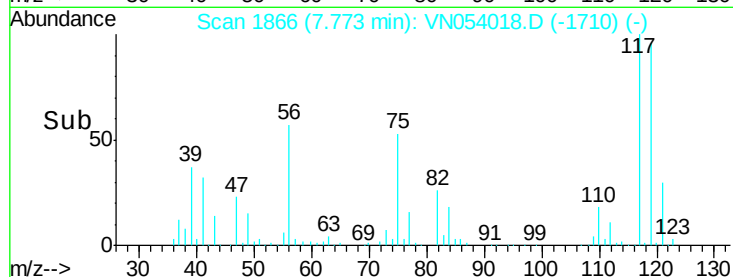
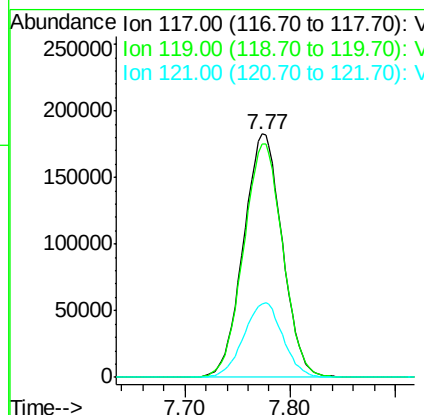
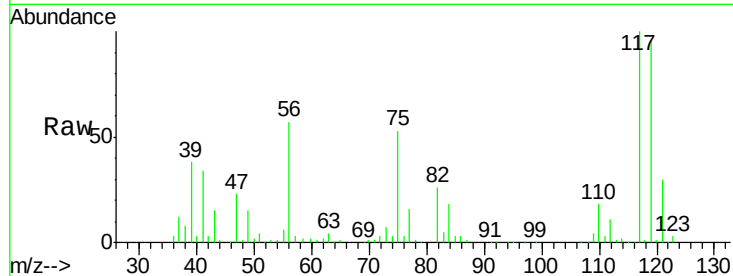
#33
Carbon Tetrachloride
Concen: 48.631 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.3	115.9
121	30.2	24.9	37.3

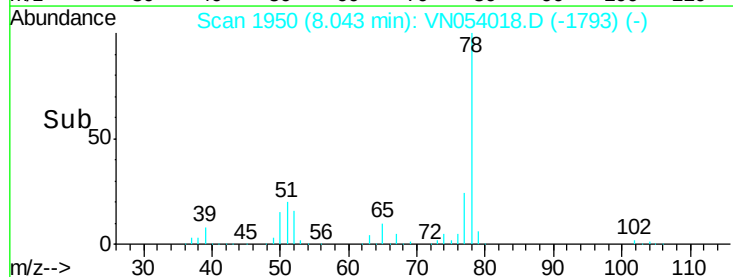
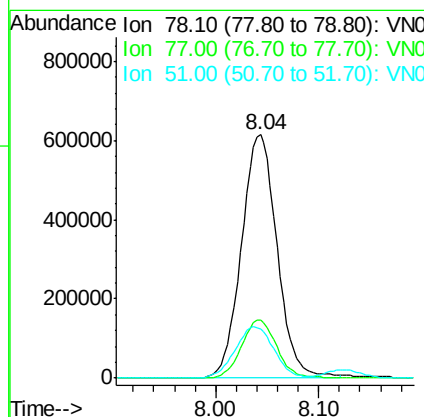
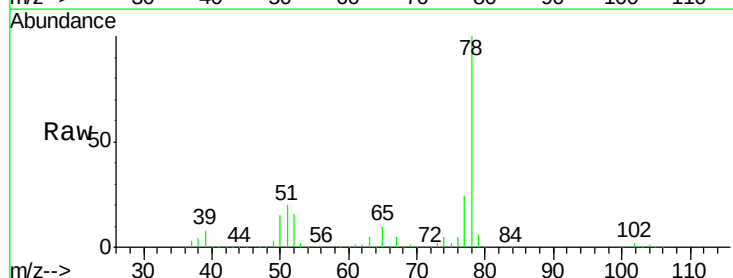
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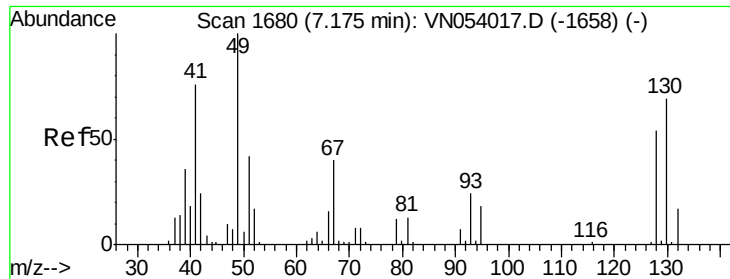
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#34
Benzene
Concen: 50.052 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6
51	20.1	20.5	30.7#





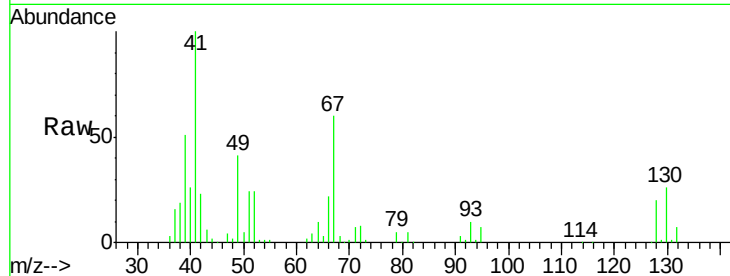
#35
Methacrylonitrile
Concen: 48.161 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

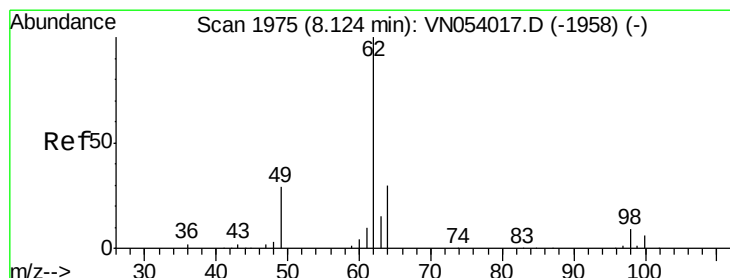
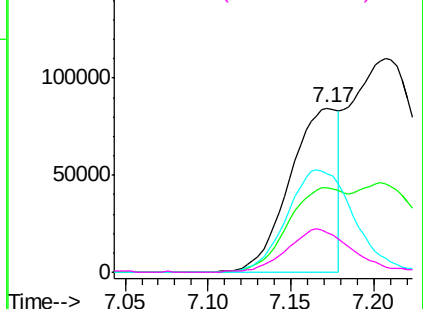
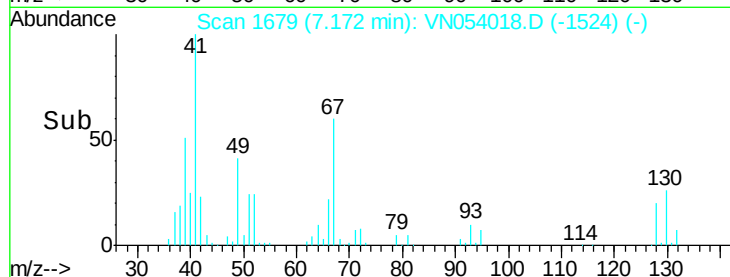
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.3	26.6	79.7	
67	60.5	32.3	96.9	
52	23.9	13.0	38.9	

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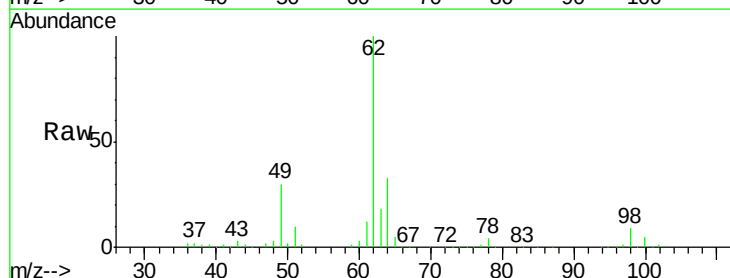


Abundance Ion 41.00 (40.70 to 41.70): VN054018.D (-1524) (-)
Ion 39.00 (38.70 to 39.70): VN054018.D (-1524) (-)
Ion 67.00 (66.70 to 67.70): VN054018.D (-1524) (-)
Ion 52.00 (51.70 to 52.70): VN054018.D (-1524) (-)

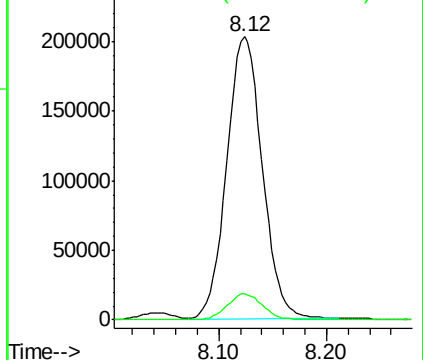
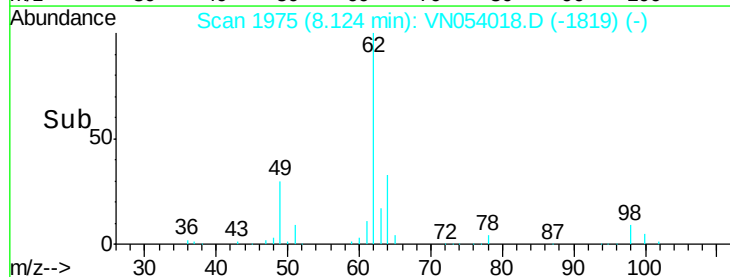


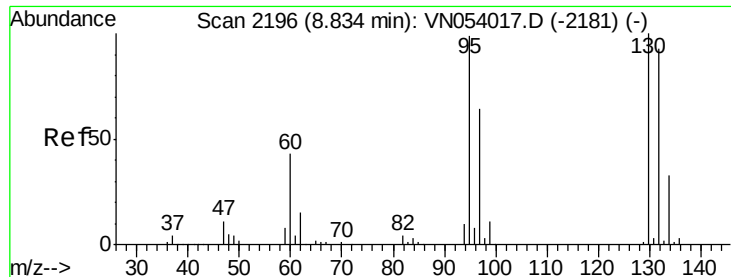
#36
1,2-Dichloroethane
Concen: 47.009 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	7.4	11.2	



Abundance Ion 62.00 (61.70 to 62.70): VN054018.D (-1819) (-)
Ion 98.00 (97.70 to 98.70): VN054018.D (-1819) (-)





#37

Trichloroethene

Concen: 47.998 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:130 Resp: 379294

Ion Ratio Lower Upper

130 100

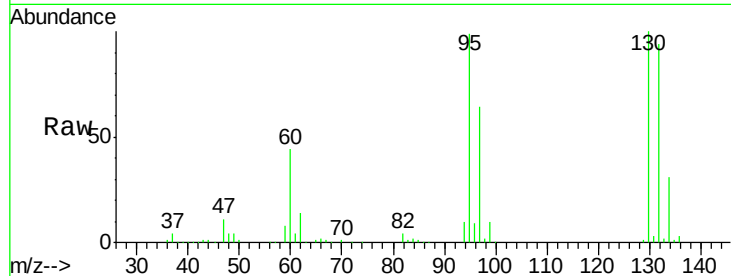
95 99.3 81.0 121.4

Manual Integrations

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MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

200000

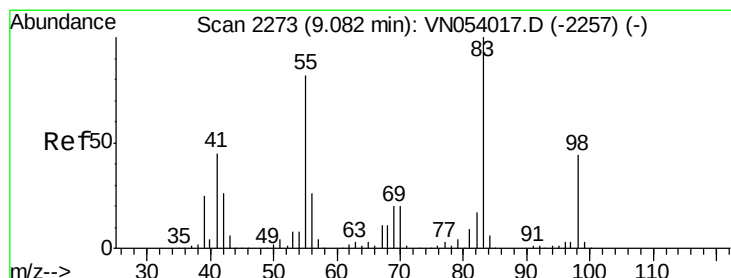
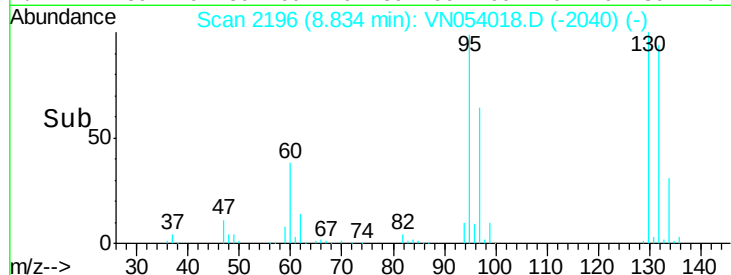
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 52.641 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

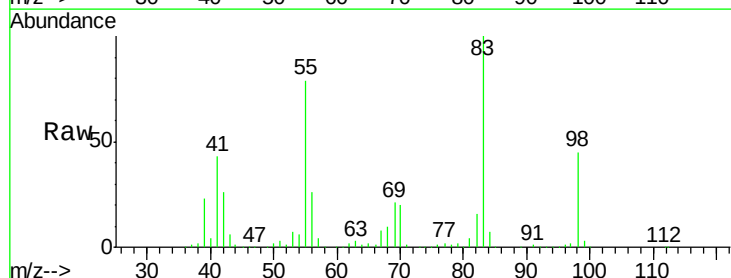
Tgt Ion: 83 Resp: 588124

Ion Ratio Lower Upper

83 100

55 79.3 39.8 119.4

98 45.3 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

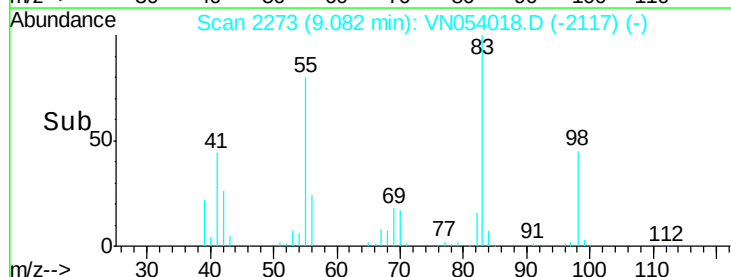
300000

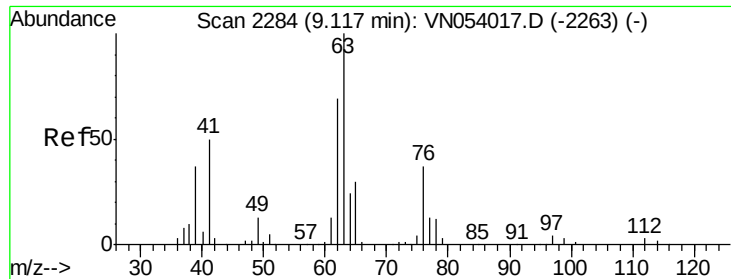
200000

100000

0

Time-->





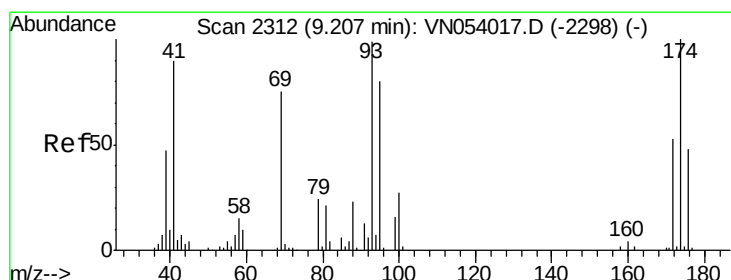
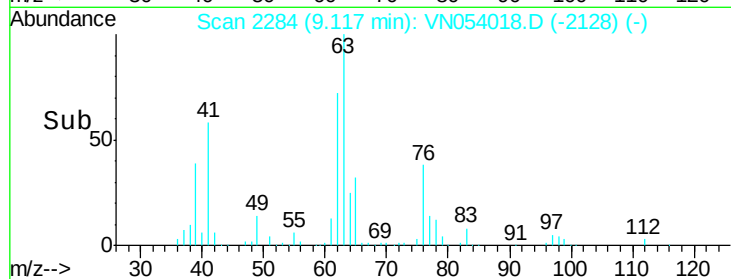
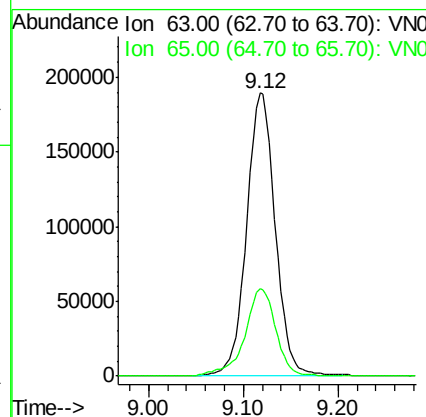
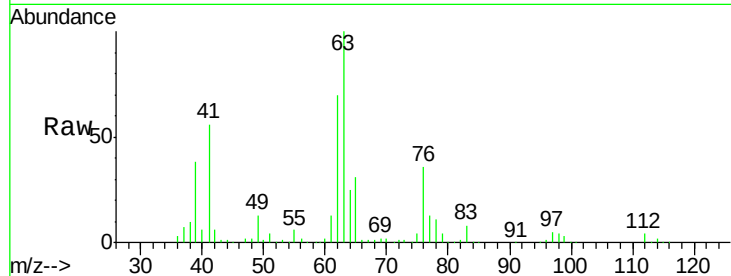
#39
 1,2-Dichloropropane
 Concen: 48.595 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 63 Resp: 399376
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.6 35.4

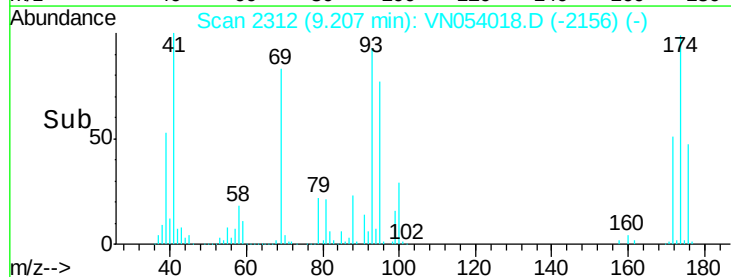
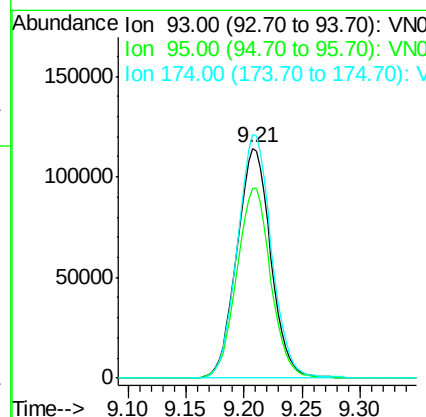
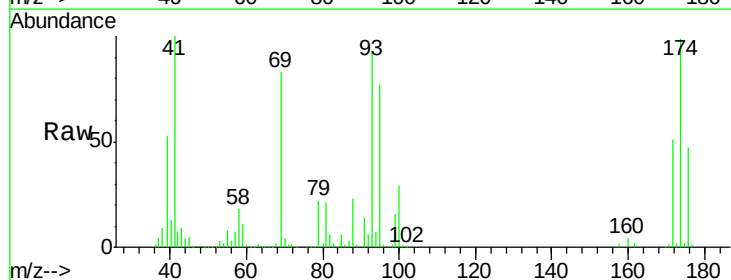
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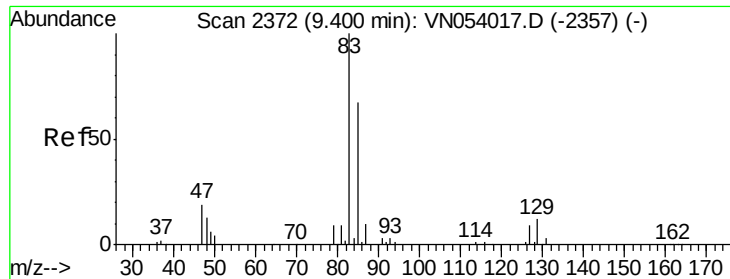
MMDadoda
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#40
 Dibromomethane
 Concen: 49.094 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion: 93 Resp: 231925
 Ion Ratio Lower Upper
 93 100
 95 82.7 0.0 168.4
 174 106.0 0.0 210.0





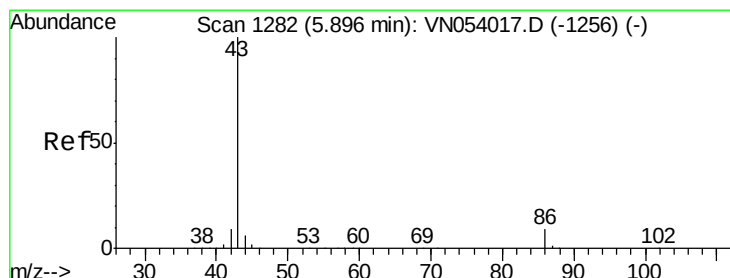
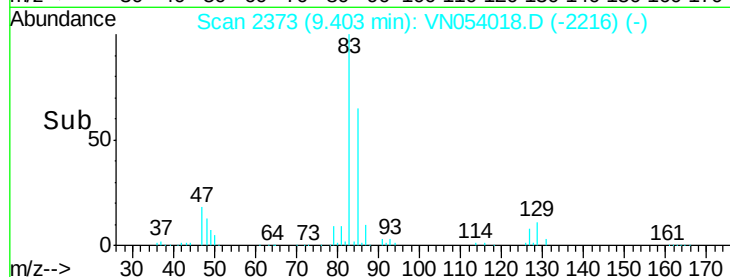
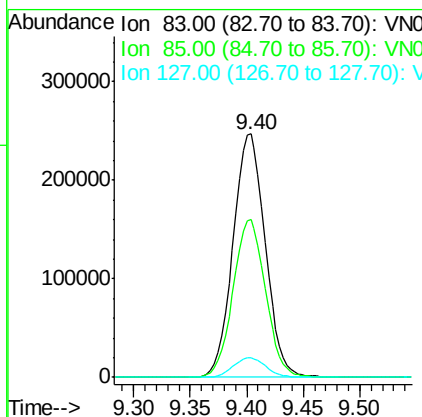
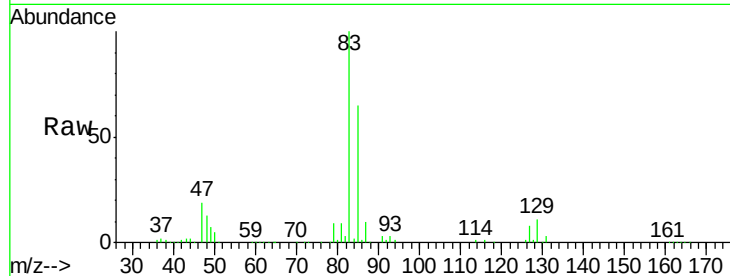
#41
Bromodichloromethane
Concen: 49.415 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	490582
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	52.4	78.6
127	8.1	6.6	9.8

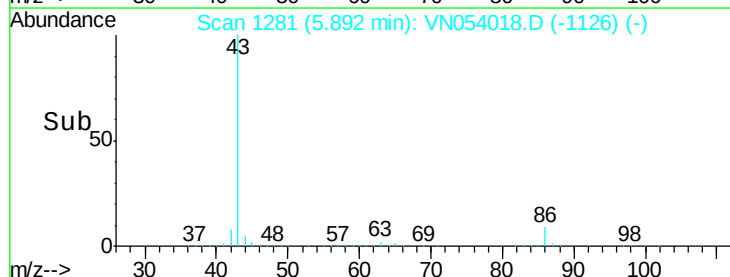
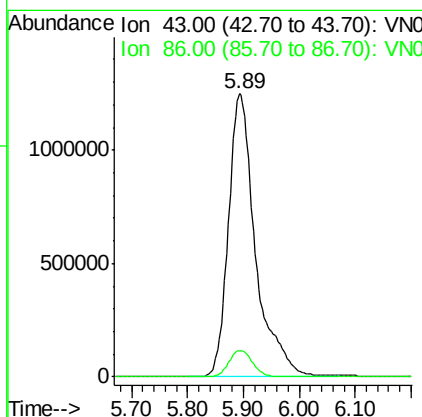
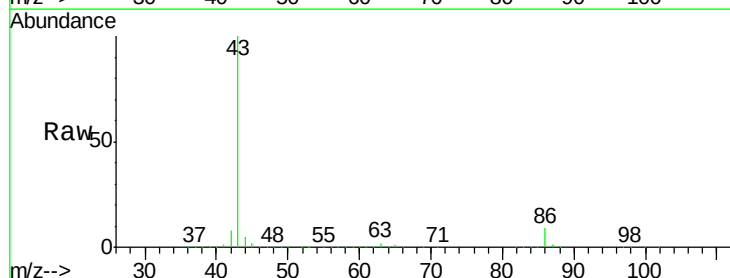
Manual Integrations
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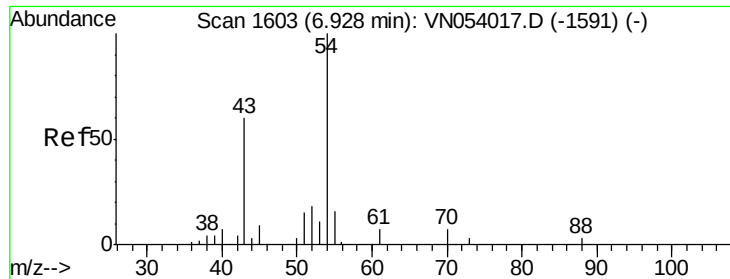
MMDadoda
3/6/2019 10:23:18 AM



#42
Vinyl Acetate
Concen: 285.552 ug/l
RT: 5.89 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion	43	Resp	4226993
Ion Ratio	100	Lower	Upper
43	100		
86	8.3	6.5	9.7





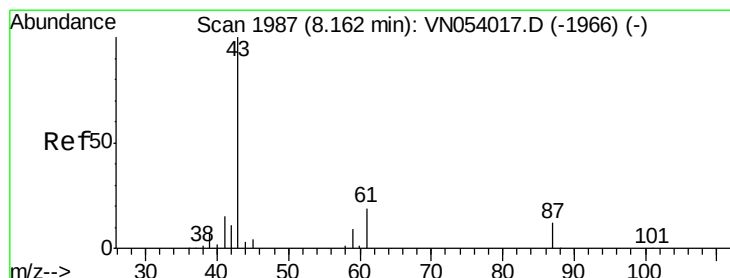
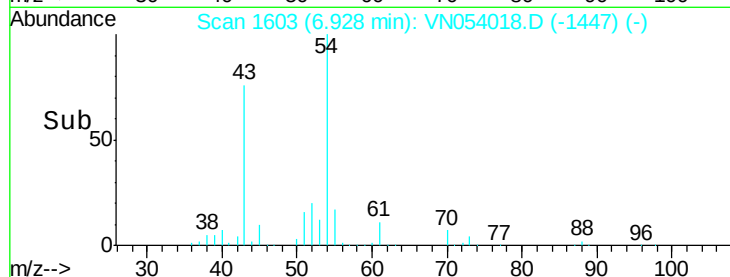
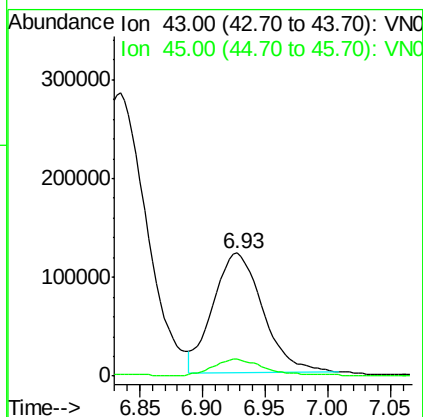
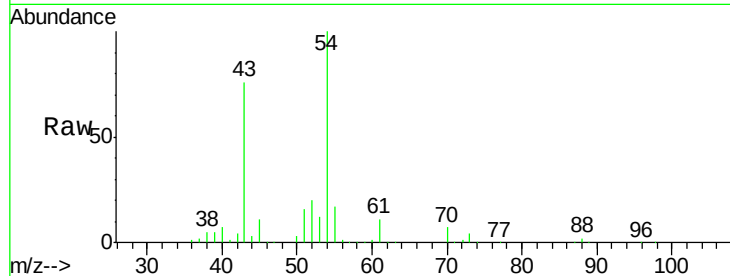
#43
Ethyl Acetate
Concen: 53.984 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 336042
Ion Ratio Lower Upper
43 100
45 14.3 1.0 1.6#

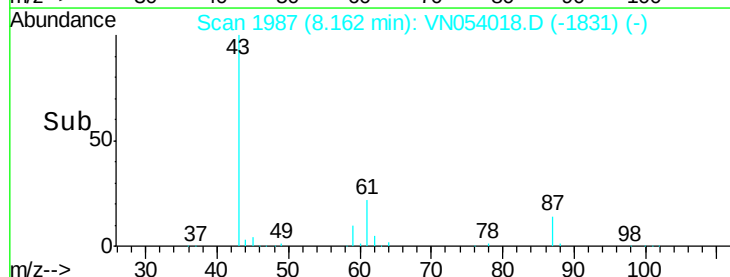
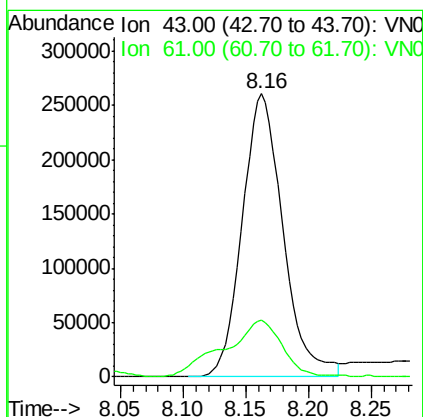
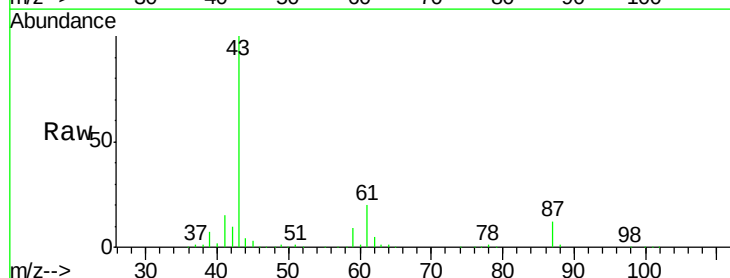
Manual Integrations
APPROVED

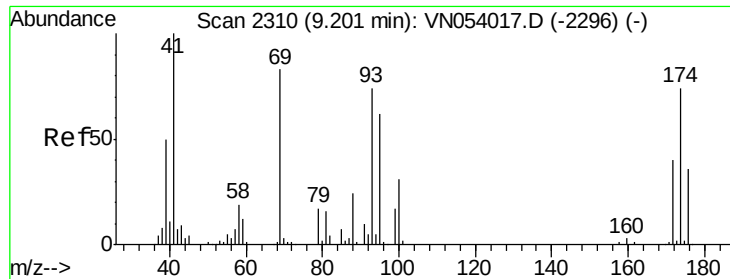
MMDadoda
3/6/2019 10:23:18 AM



#44
Isopropyl Acetate
Concen: 53.745 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion: 43 Resp: 588328
Ion Ratio Lower Upper
43 100
61 18.4 16.0 24.0





#45

1,4-Dioxane

Concen: 1531.849 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

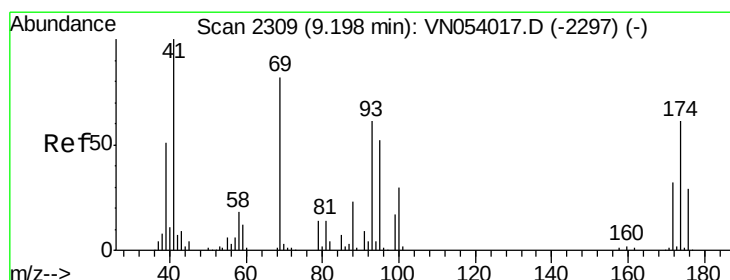
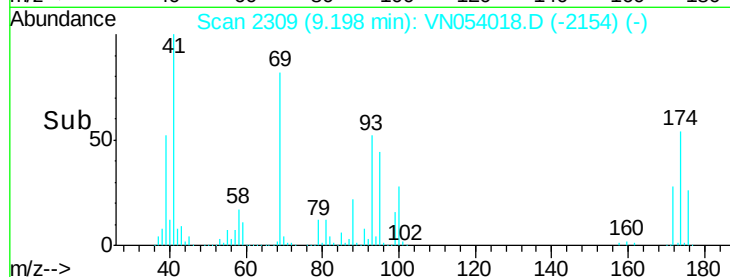
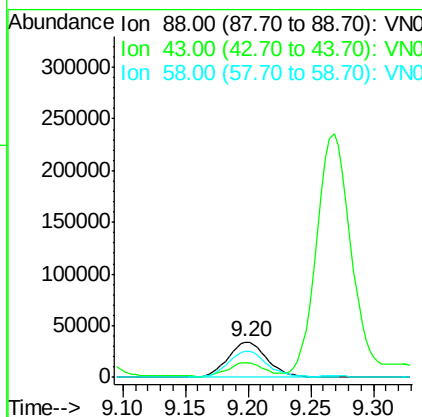
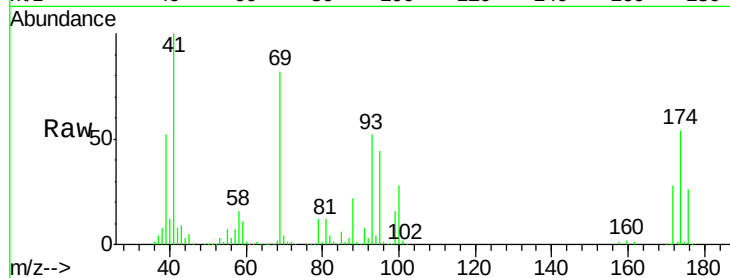
ClientSampleId :

VSTDIC050

Tot Ion:	88	Resp:	74847
Ion	Ratio	Lower	Upper
88	100		
43	34.3	29.5	44.3
58	74.0	61.5	92.3

Manual Integrations
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MMDadoda
3/6/2019 10:23:18 AM



#46

Methyl methacrylate

Concen: 58.155 ug/l

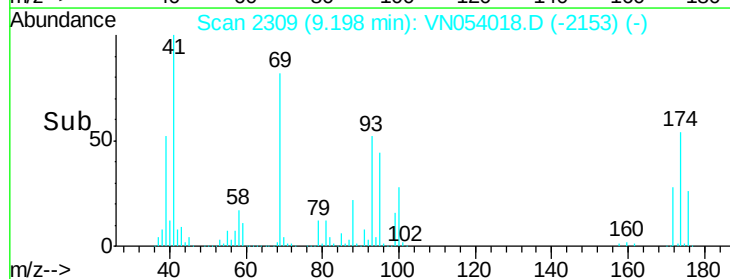
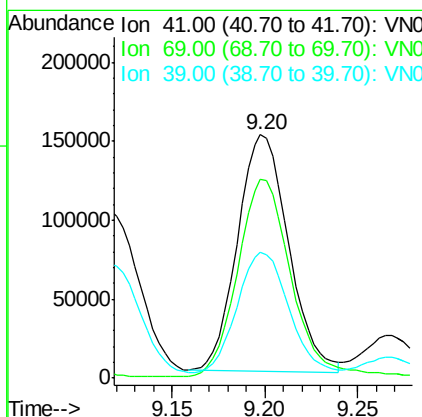
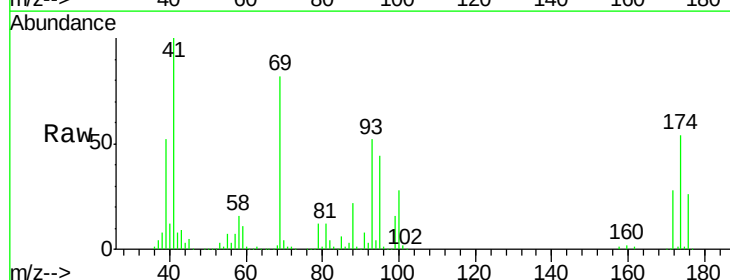
RT: 9.20 min Scan# 2309

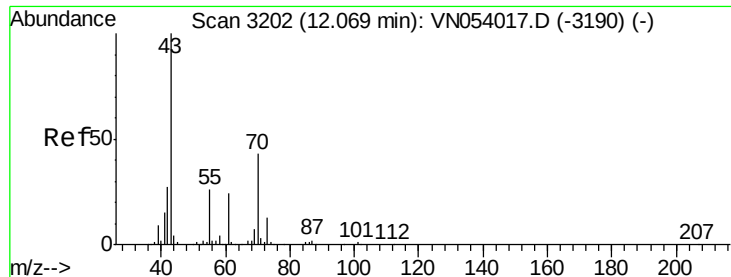
Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Tgt Ion:	41	Resp:	286306
Ion	Ratio	Lower	Upper
41	100		
69	83.6	42.5	127.6
39	50.8	26.3	78.9





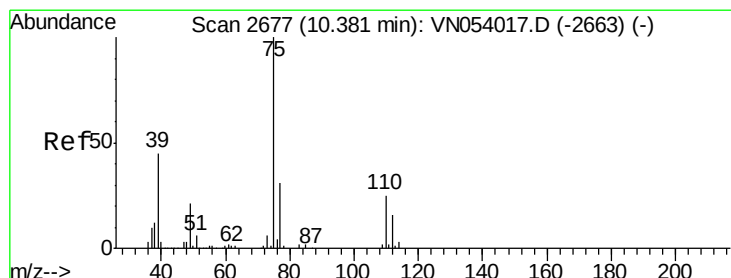
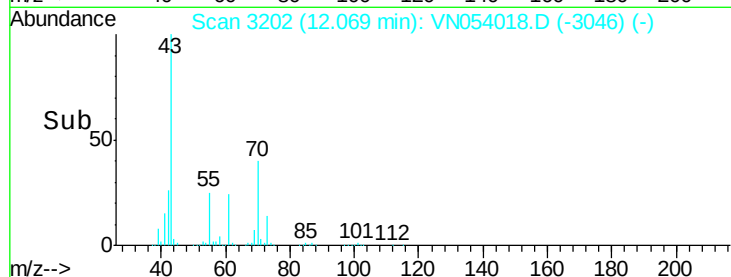
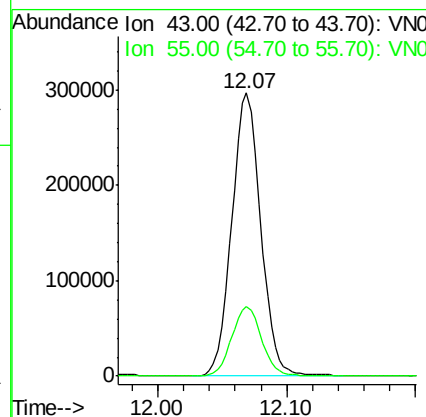
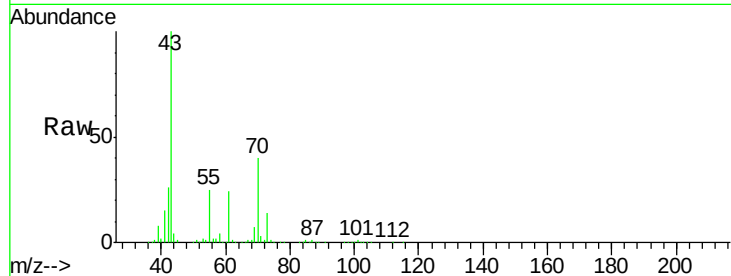
#47
n-amvl Acetate
Concen: 66.962 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 460234
Ion Ratio Lower Upper
43 100
55 25.6 21.1 31.7

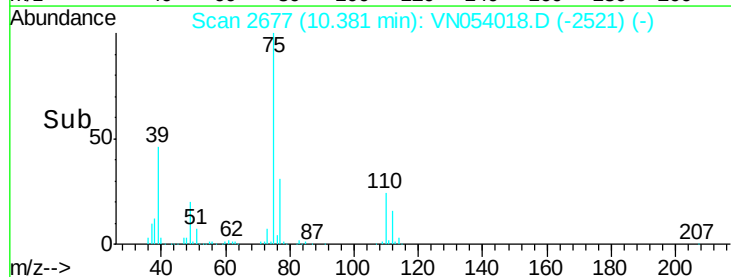
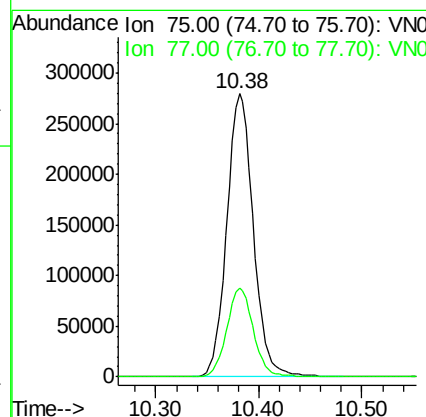
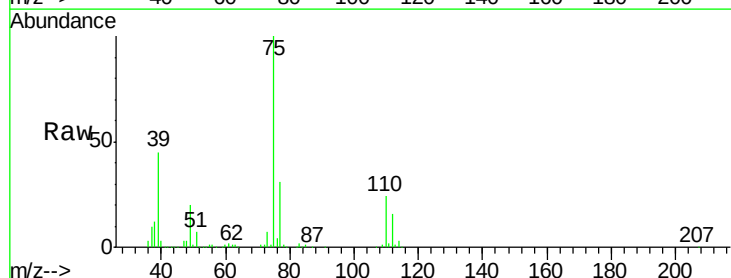
Manual Integrations
APPROVED

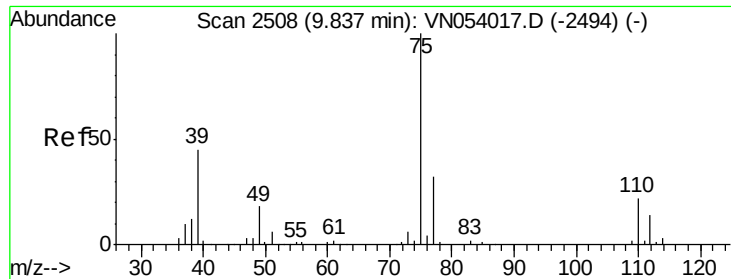
MMDadoda
3/6/2019 10:23:18 AM



#48
t-1,3-Dichloropropene
Concen: 54.838 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion: 75 Resp: 499668
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4





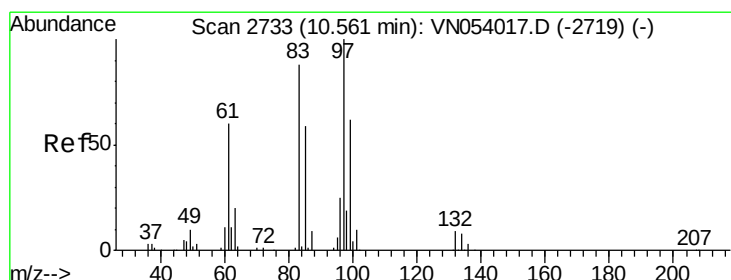
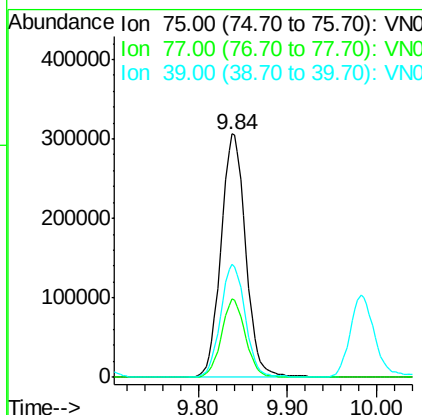
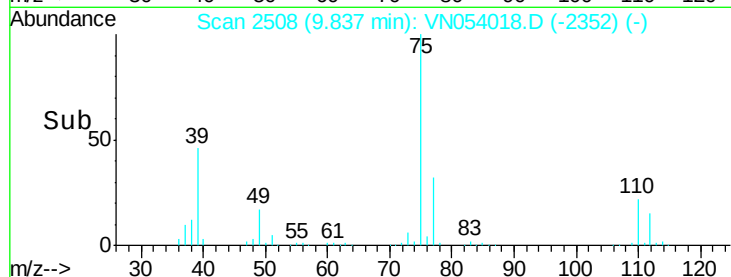
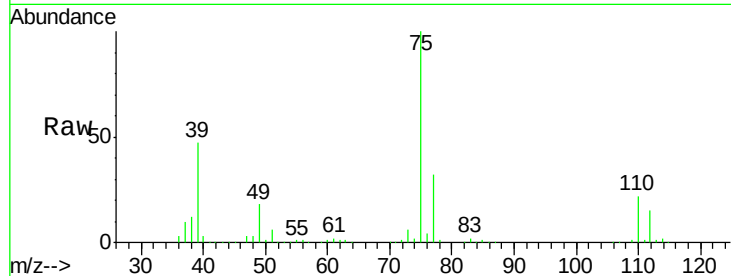
#49
 cis-1,3-Dichloropropene
 Concen: 53.104 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	46.5	37.3	55.9

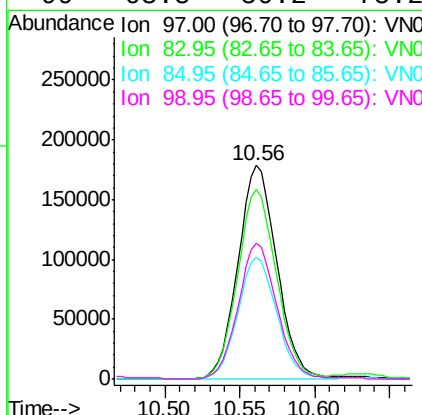
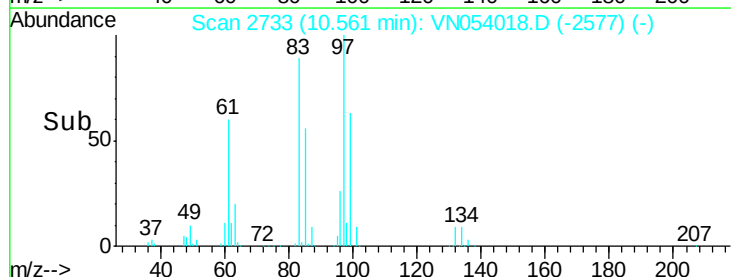
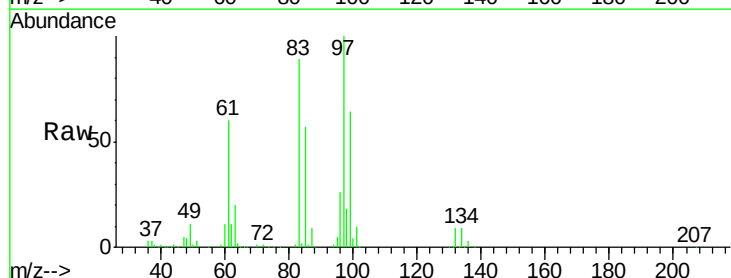
Manual Integrations
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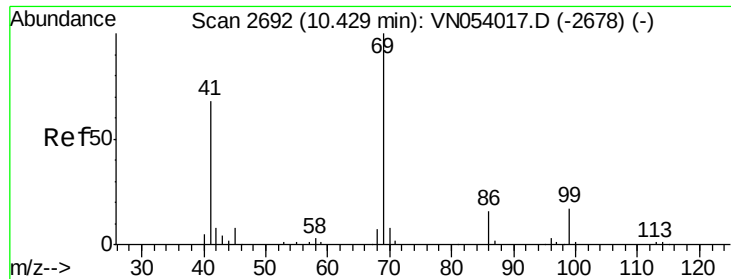
MMDadoda
 3/6/2019 10:23:18 AM



#50
 1,1,2-Trichloroethane
 Concen: 48.630 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.4	105.6
85	57.1	45.0	67.6
99	63.5	50.2	75.2





#51

Ethyl methacrylate

Concen: 61.512 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 69 Resp: 414153

Ion Ratio Lower Upper

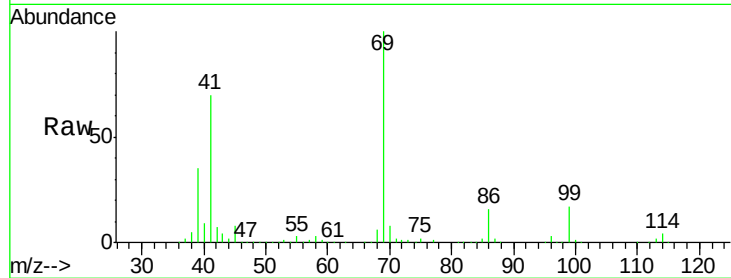
69 100

41 69.6 34.4 103.3

39 34.3 16.4 49.2

Manual Integrations
APPROVED

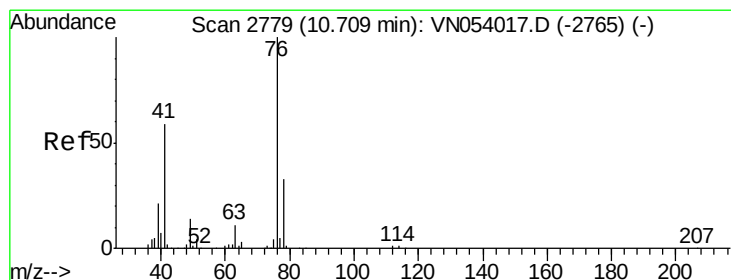
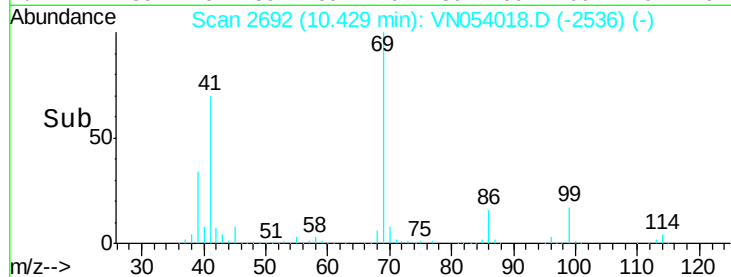
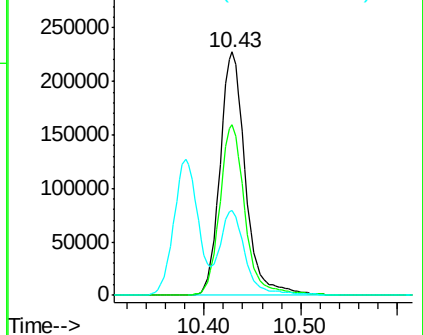
MMDadoda
3/6/2019 10:23:18 AM



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 51.503 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054018.D

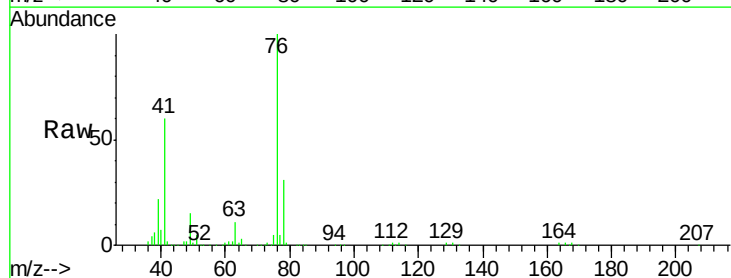
Acq: 1 Mar 2019 9:43

Tgt Ion: 76 Resp: 567609

Ion Ratio Lower Upper

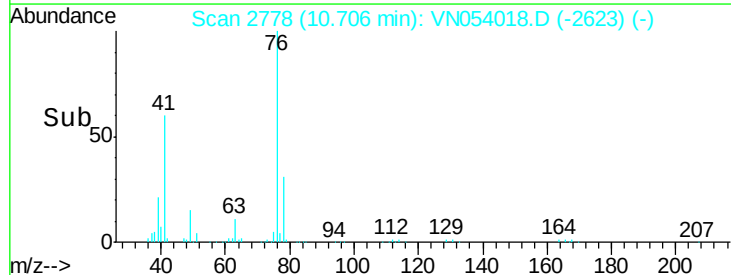
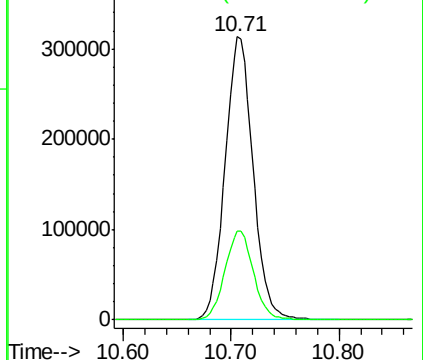
76 100

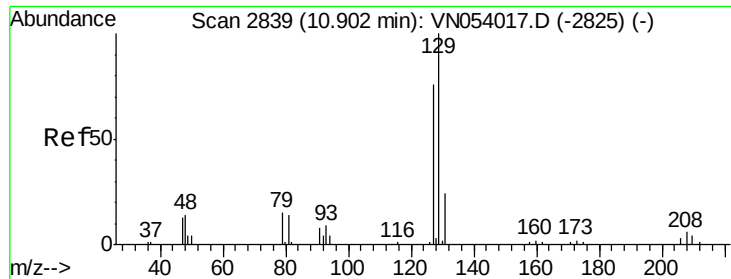
78 31.9 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





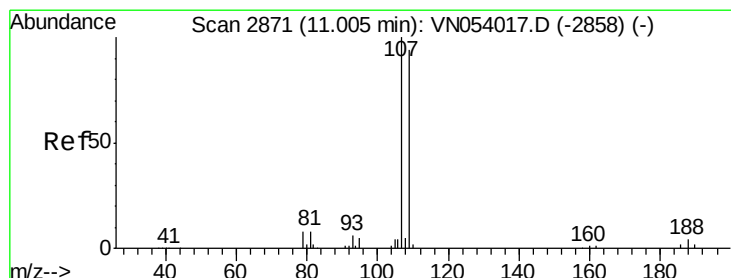
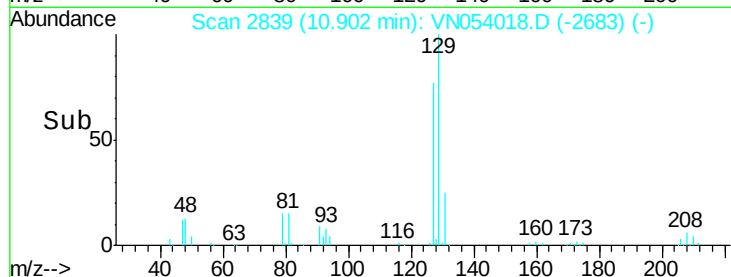
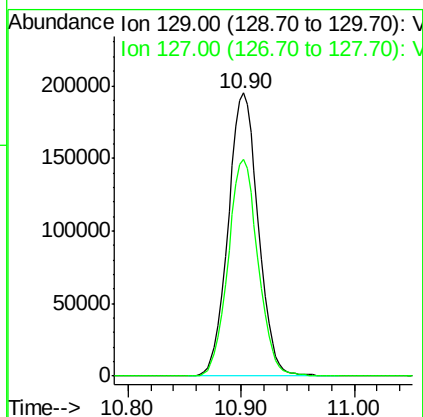
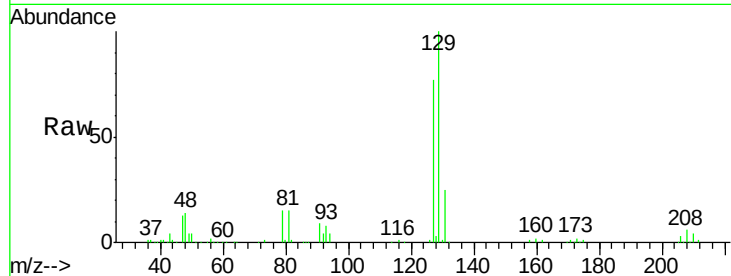
#53
Dibromochloromethane
Concen: 51.854 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:129 Resp: 361162
Ion Ratio Lower Upper
129 100
127 76.2 37.6 112.8

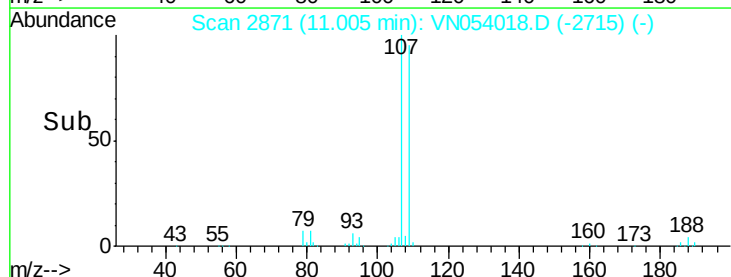
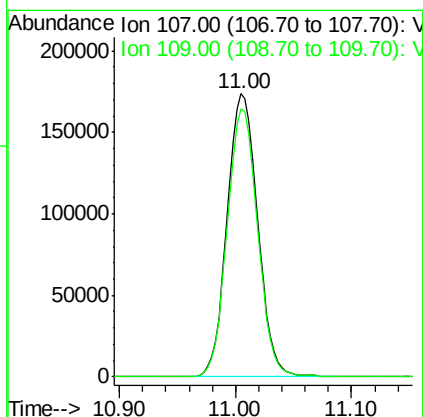
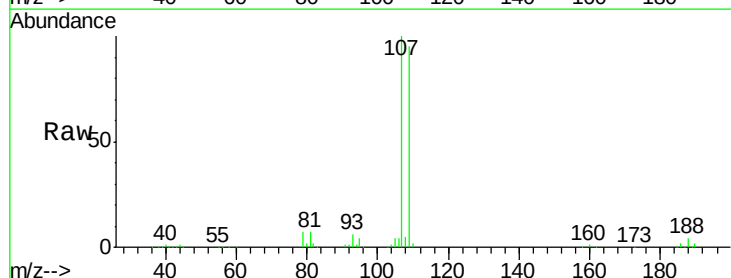
Manual Integrations
APPROVED

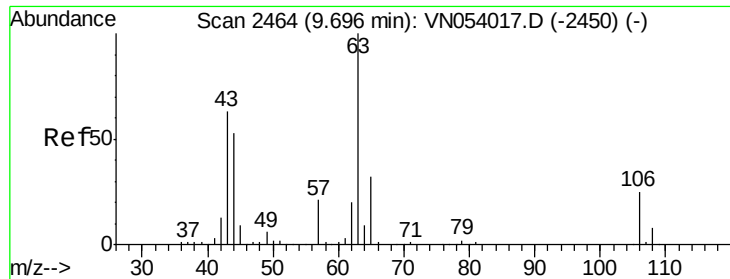
MMDadoda
3/6/2019 10:23:18 AM



#54
1,2-Dibromoethane
Concen: 52.844 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion:107 Resp: 316330
Ion Ratio Lower Upper
107 100
109 94.3 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 324.183 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 63 Resp: 986131

Ion Ratio Lower Upper

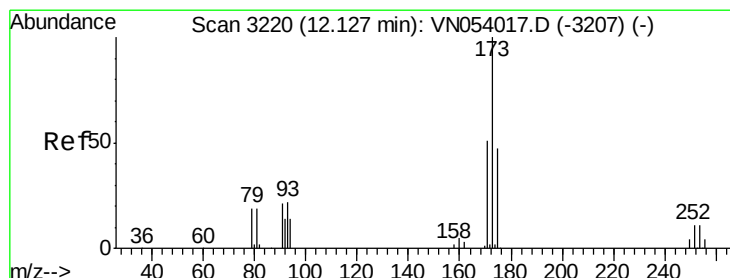
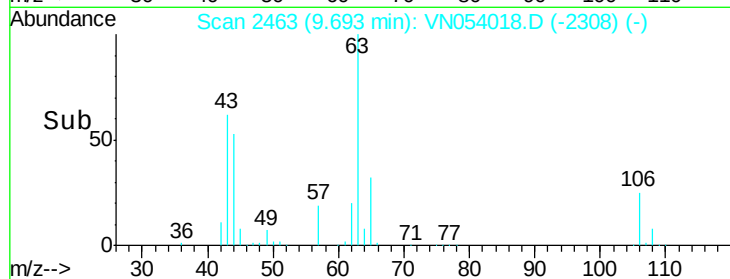
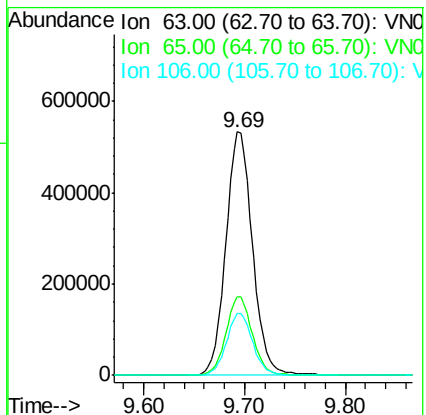
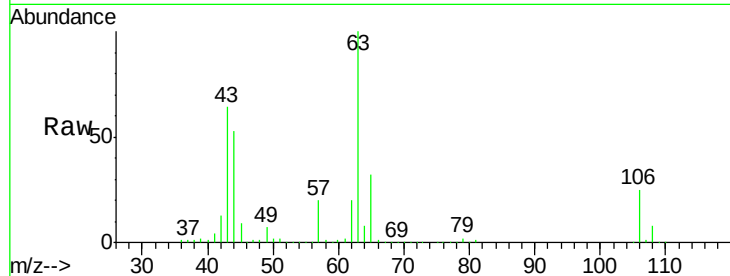
63 100

65 31.6 25.4 38.2

106 24.9 20.4 30.6

Manual Integrations
APPROVED

MMDadoda
3/6/2019 10:23:18 AM



#56

Bromoform

Concen: 54.812 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

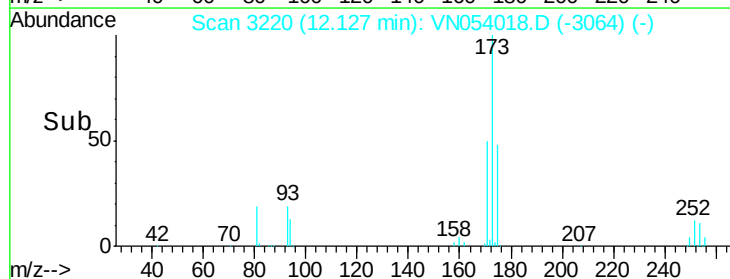
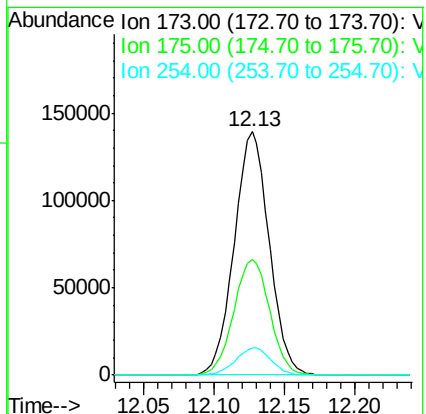
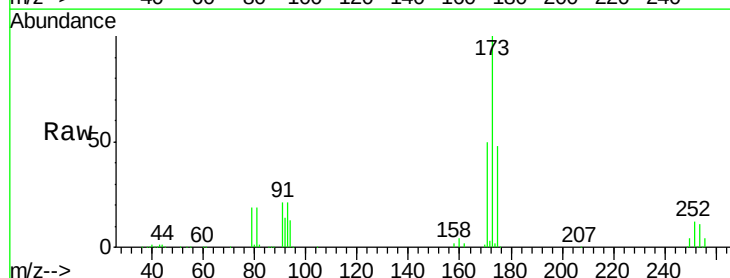
Tgt Ion: 173 Resp: 241872

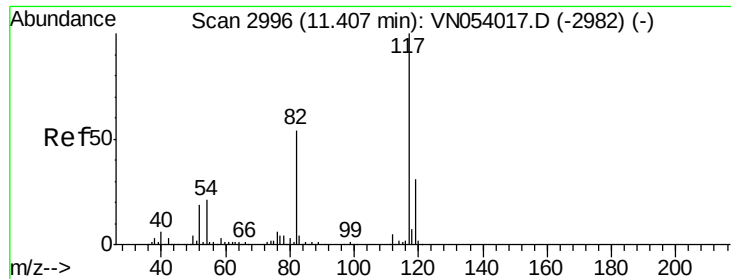
Ion Ratio Lower Upper

173 100

175 49.0 38.7 58.1

254 11.3 8.4 12.6





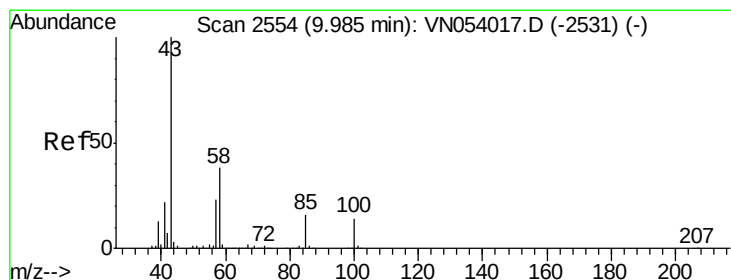
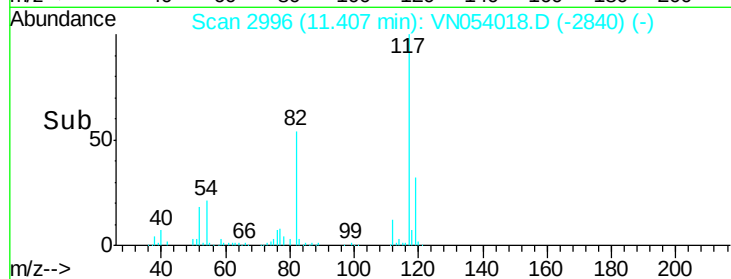
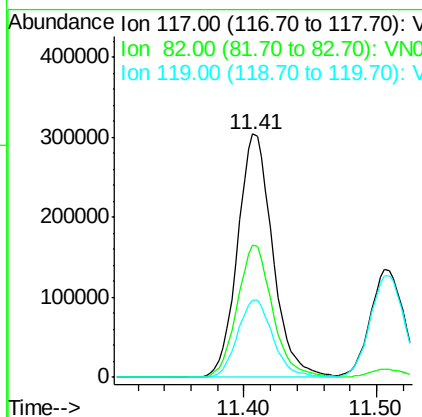
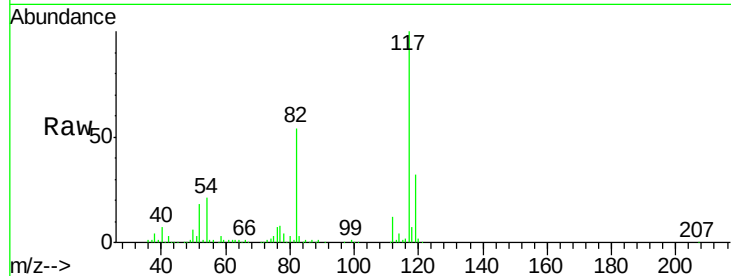
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.2	66.2
119	31.9	25.4	38.2

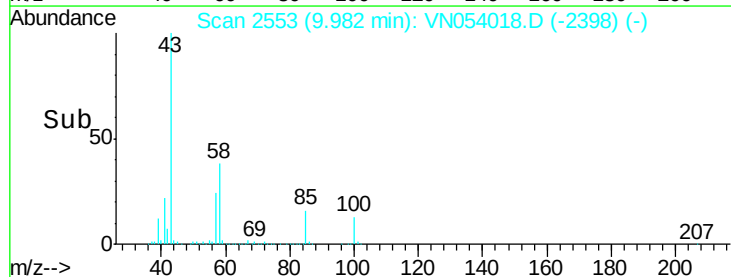
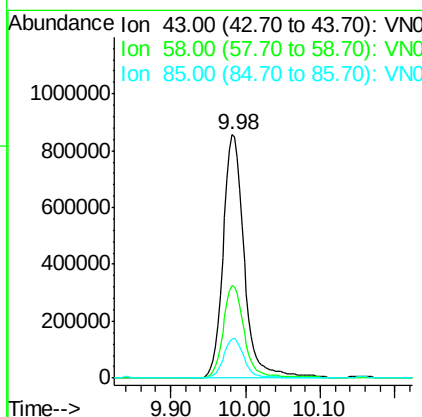
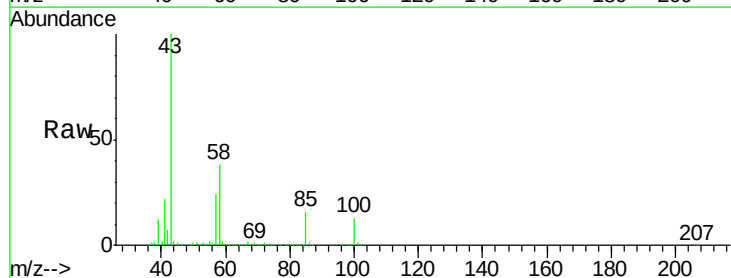
Manual Integrations
APPROVED

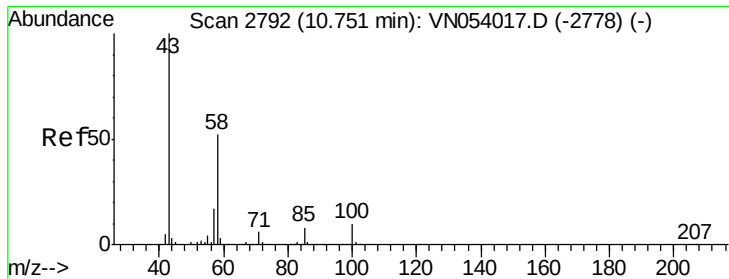
MMDadoda
3/6/2019 10:23:18 AM



#58
4-Methyl-2-Pentanone
Concen: 281.499 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.9	31.6	47.4
85	16.1	13.3	19.9





#59

2-Hexanone

Concen: 286.844 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 43 Resp: 1094482

Ion Ratio Lower Upper

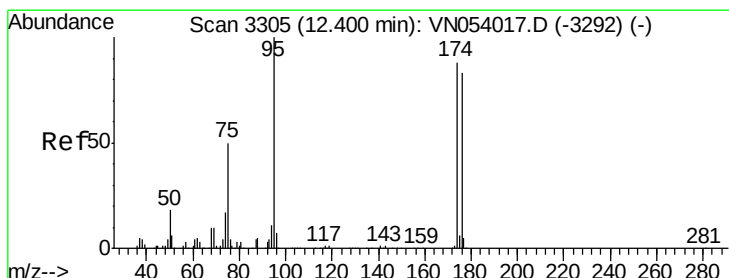
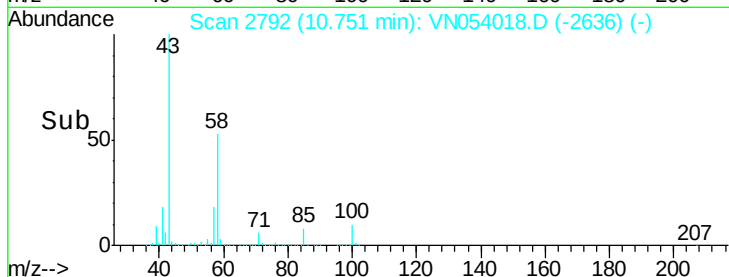
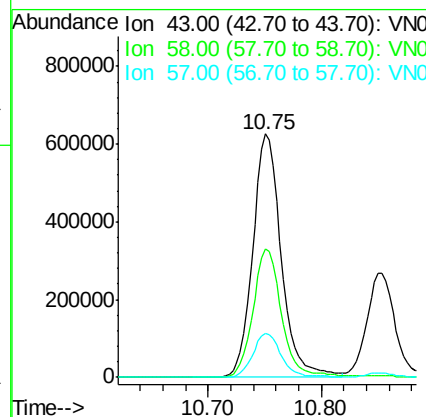
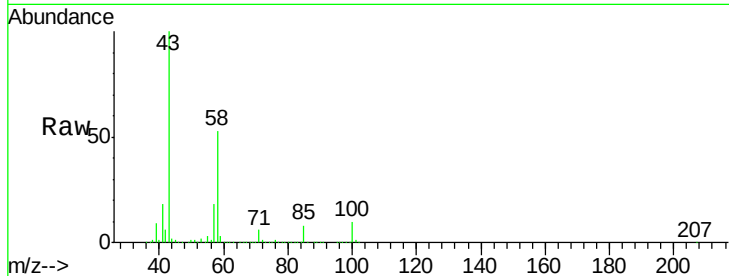
43 100

58 53.1 43.2 64.8

57 18.2 14.9 22.3

Manual Integrations
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3/6/2019 10:23:18 AM



#60

4-Bromofluorobenzene

Concen: 286.844 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

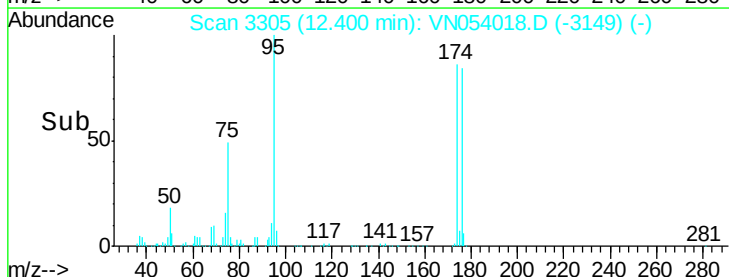
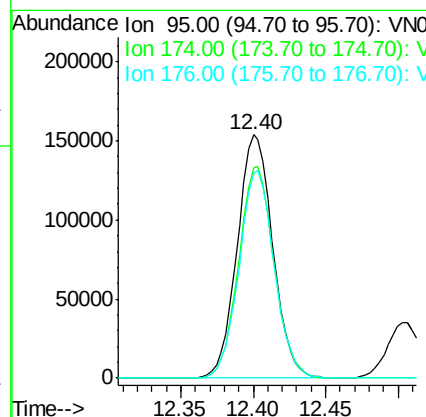
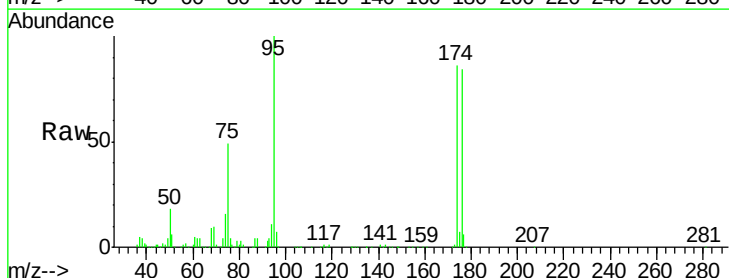
Tgt Ion: 95 Resp: 261884

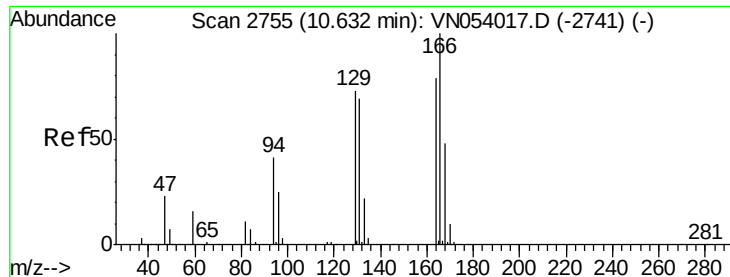
Ion Ratio Lower Upper

95 100

174 86.7 67.9 101.9

176 84.6 66.4 99.6





#61

Tetrachloroethene

Concen: 43.702 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion:164 Resp: 374474

Ion Ratio Lower Upper

164 100

166 130.5 104.6 157.0

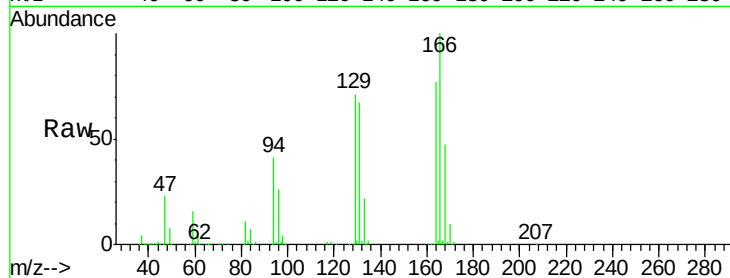
129 92.0 75.3 112.9

131 87.4 74.3 111.5

Manual Integrations
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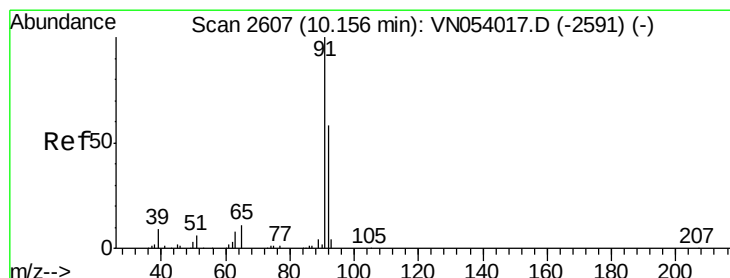
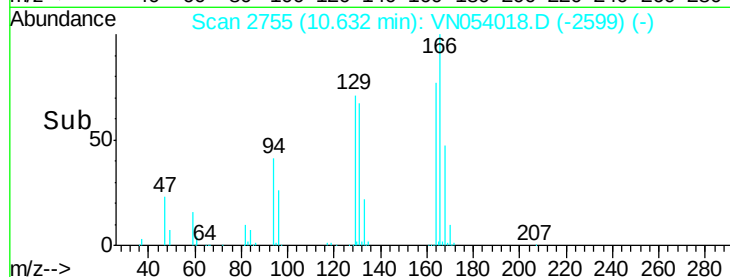
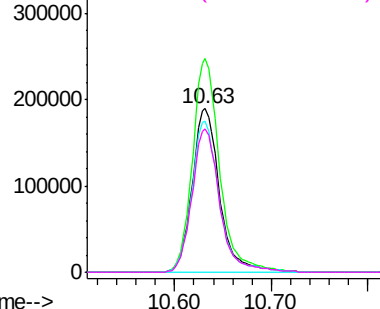


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 49.067 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054018.D

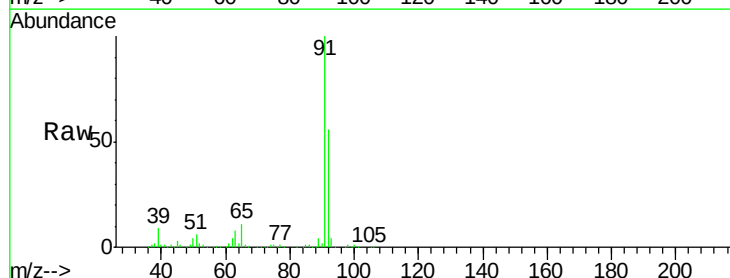
Acq: 1 Mar 2019 9:43

Tgt Ion: 91 Resp: 1562531

Ion Ratio Lower Upper

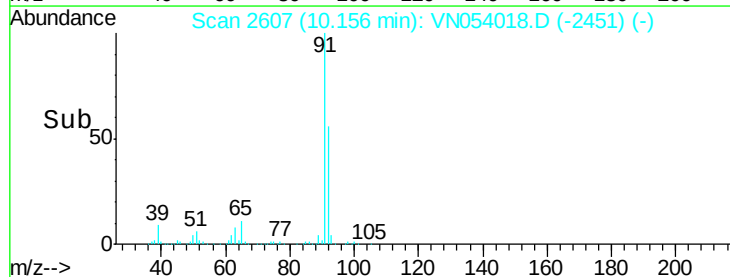
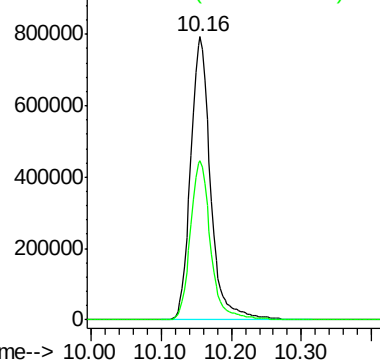
91 100

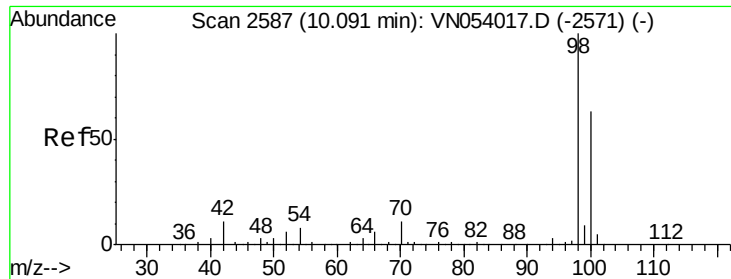
92 57.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





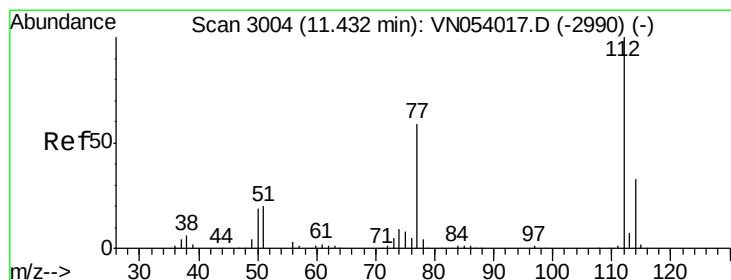
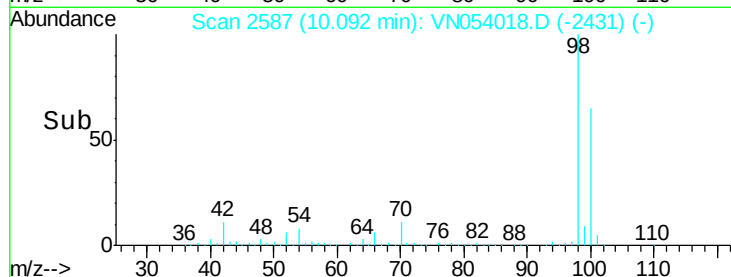
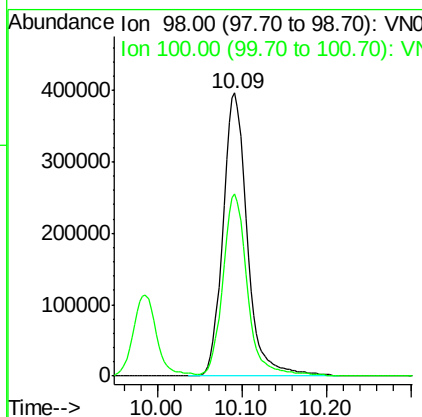
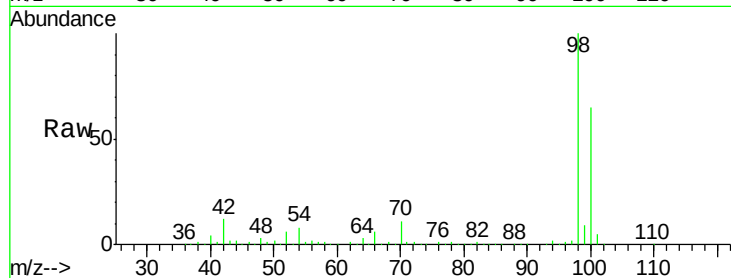
#63
Toluene-d8
Concen: 49.067 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion: 98 Resp: 795221
Ion Ratio Lower Upper
98 100
100 65.0 51.1 76.7

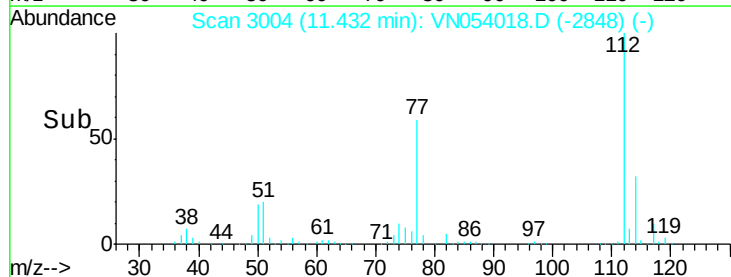
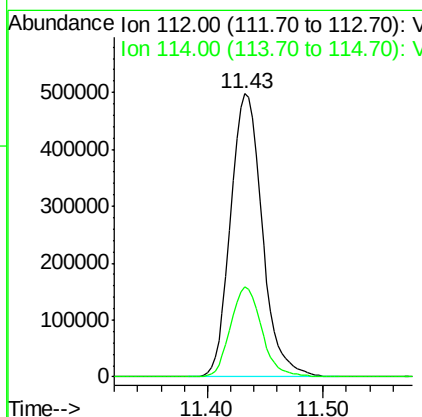
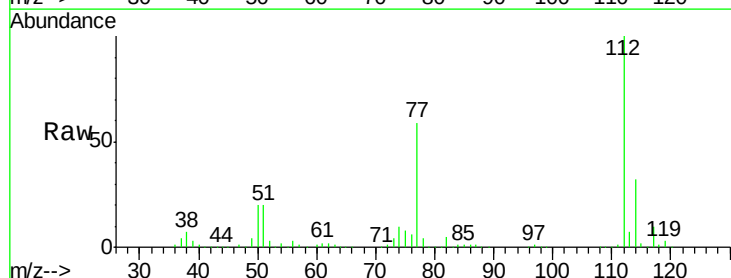
Manual Integrations
APPROVED

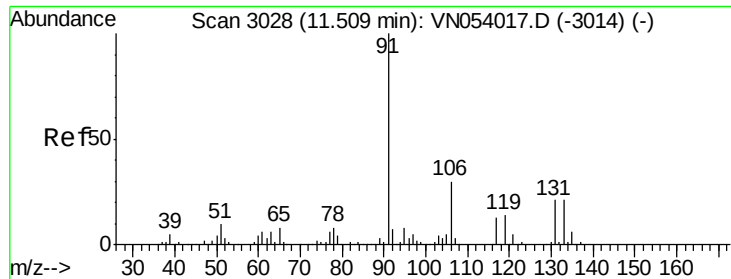
MMDadoda
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#64
Chlorobenzene
Concen: 48.562 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion: 112 Resp: 940135
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 48.521 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

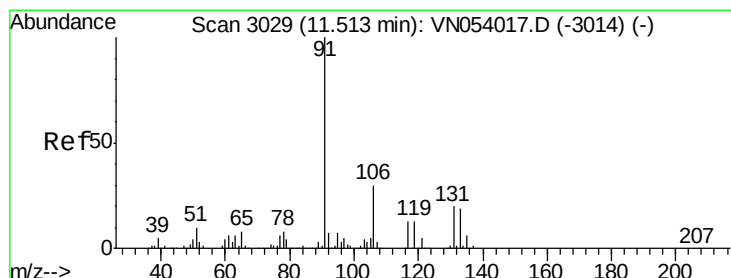
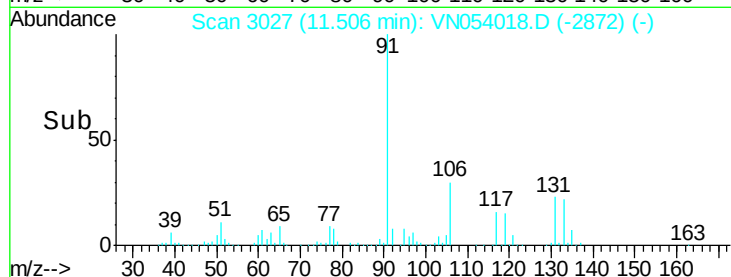
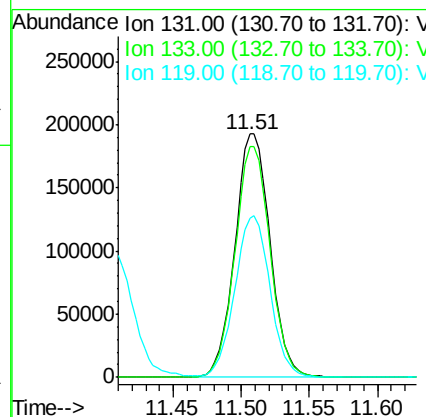
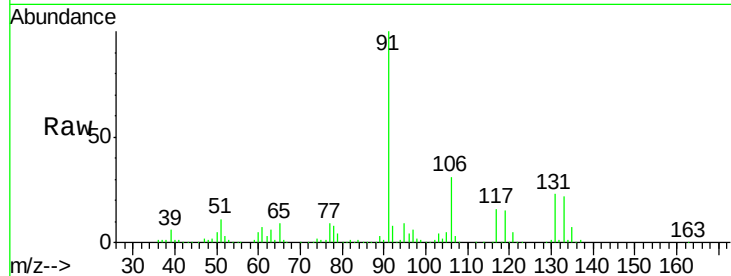
ClientSampled :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
131	100	345553		
133	94.6	0.0	193.4	
119	66.5	0.0	133.0	

Manual Integrations
APPROVED

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#66

Ethyl Benzene

Concen: 51.318 ug/l

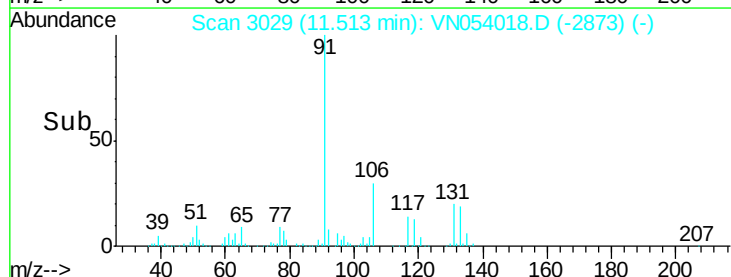
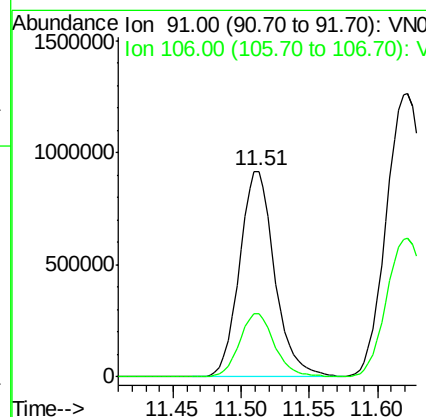
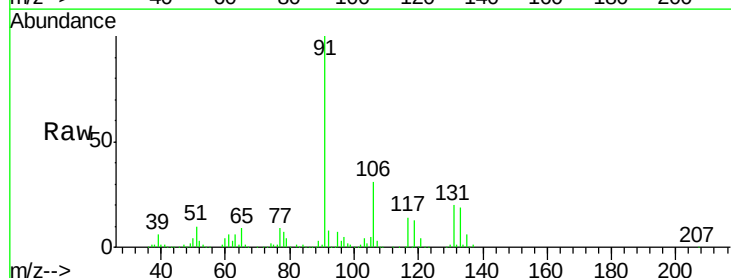
RT: 11.51 min Scan# 3029

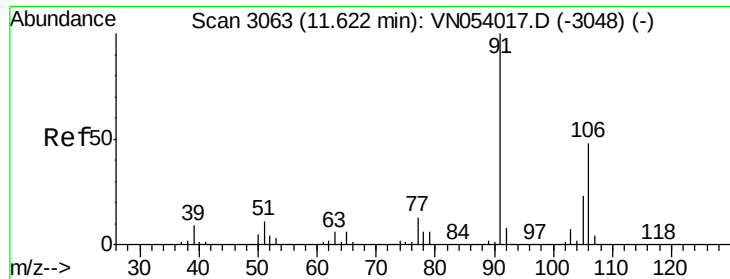
Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1640777		
106	30.6	24.3	36.5	





#67

m/p-Xylenes

Concen: 105.283 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion:106 Resp: 1264055

Ion Ratio Lower Upper

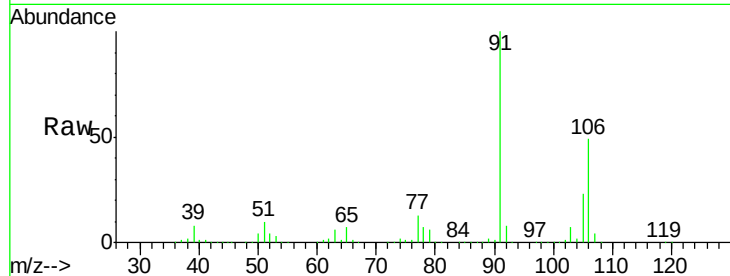
106 100

91 204.5 163.9 245.9

Manual Integrations
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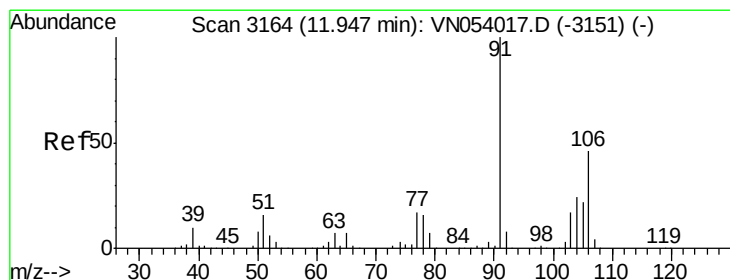
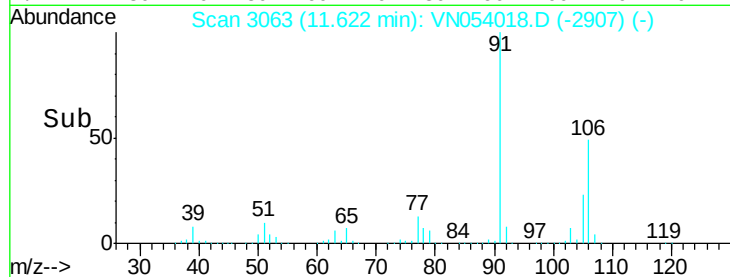
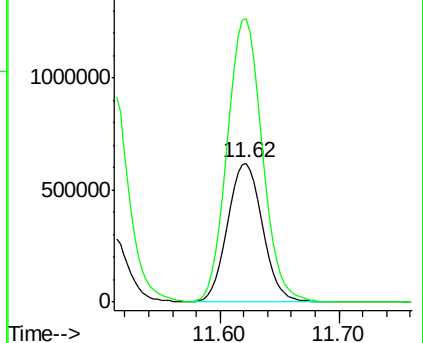
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 51.898 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054018.D

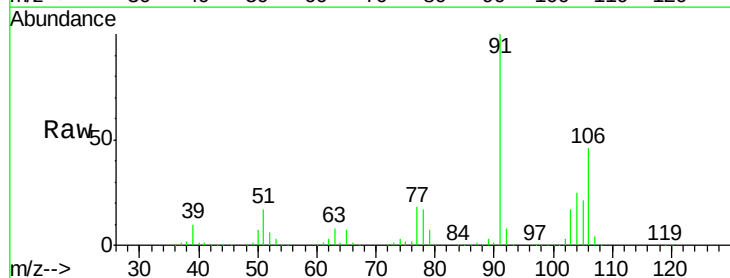
Acq: 1 Mar 2019 9:43

Tgt Ion:106 Resp: 605324

Ion Ratio Lower Upper

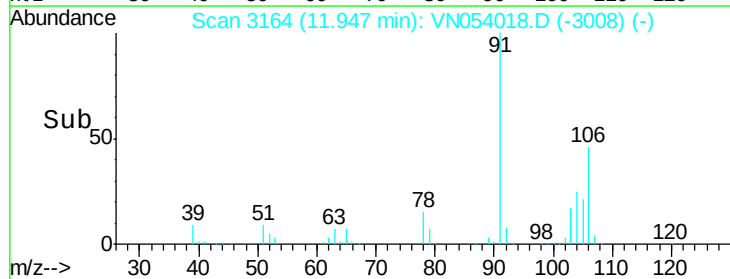
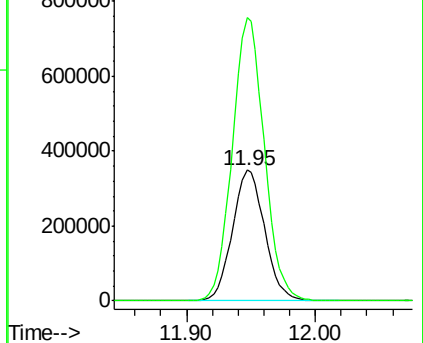
106 100

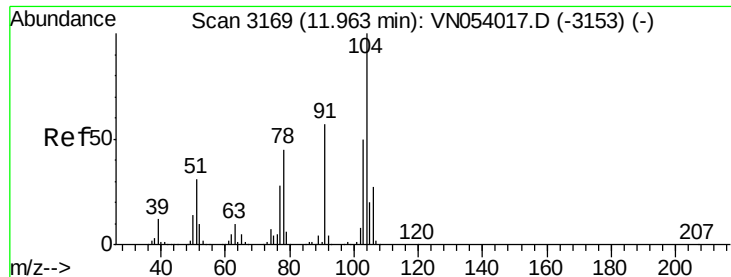
91 214.9 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





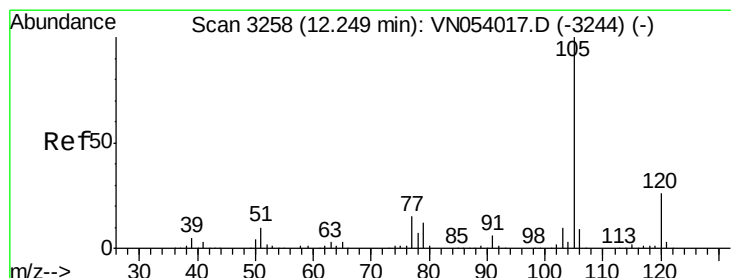
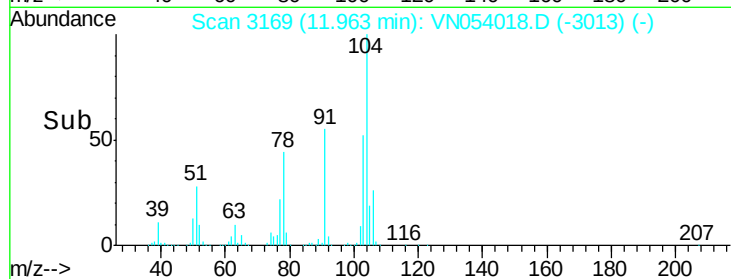
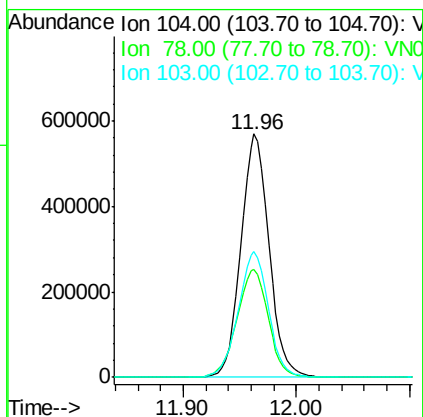
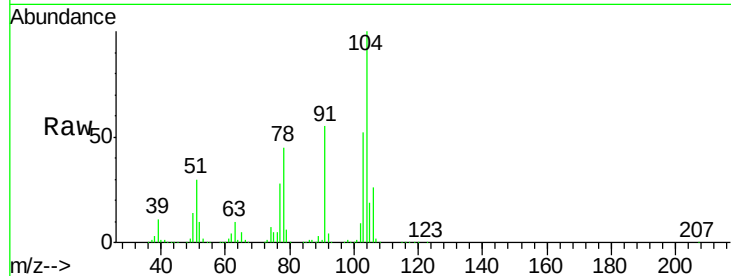
#69
Stvrene
Concen: 56.201 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.5	39.3	58.9
103	55.5	44.6	66.8

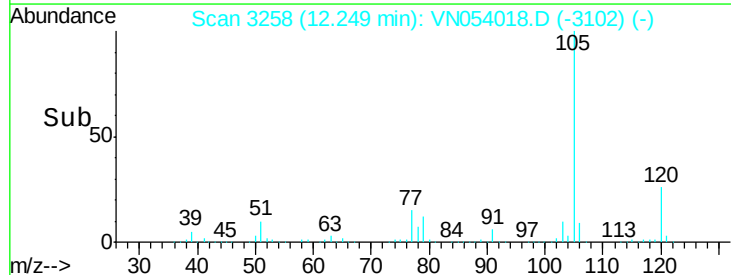
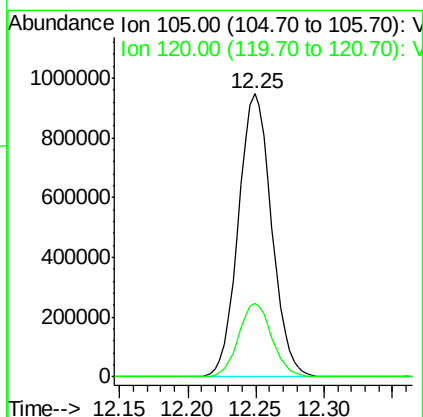
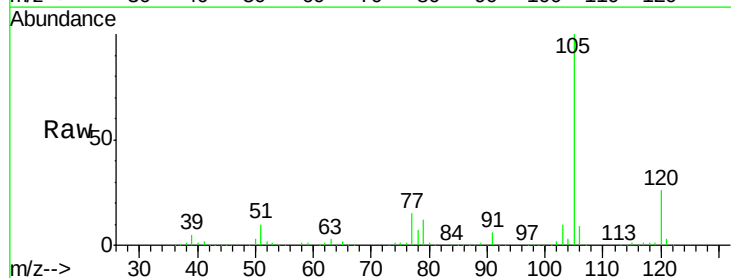
Manual Integrations
APPROVED

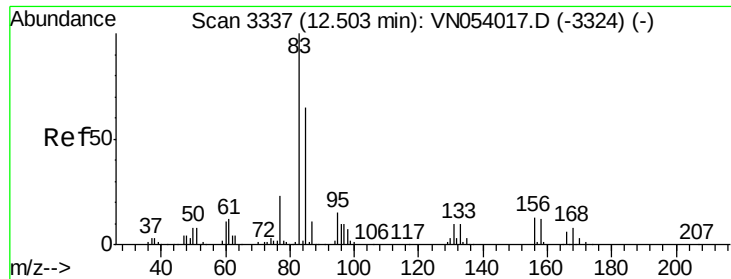
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#70
Isopropylbenzene
Concen: 52.117 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	18.6	34.6





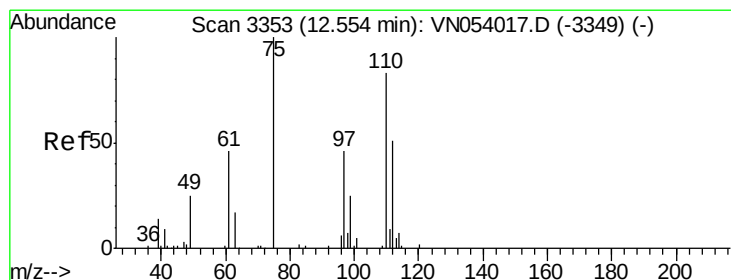
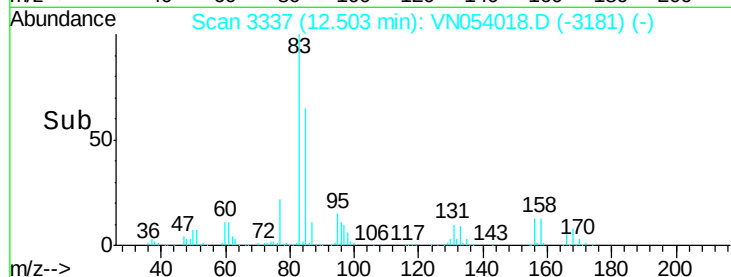
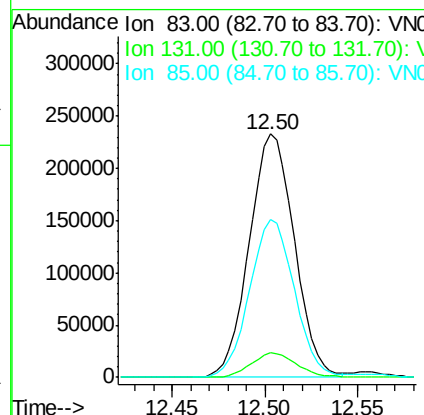
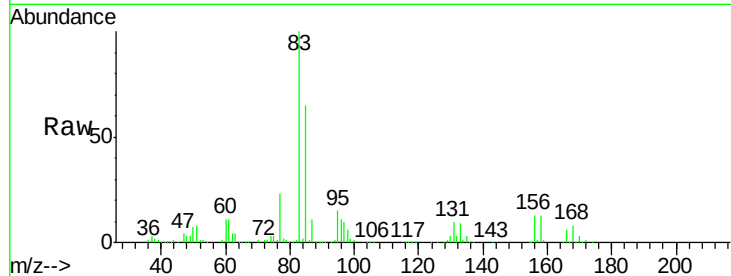
#71
 1,1,2,2-Tetrachloroethane
 Concen: 51.815 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.1	4.9	14.6	
85	64.4	32.2	96.6	

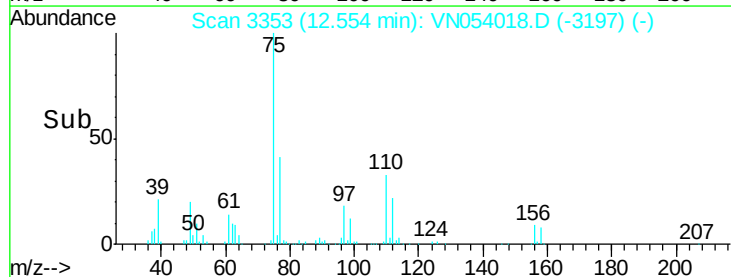
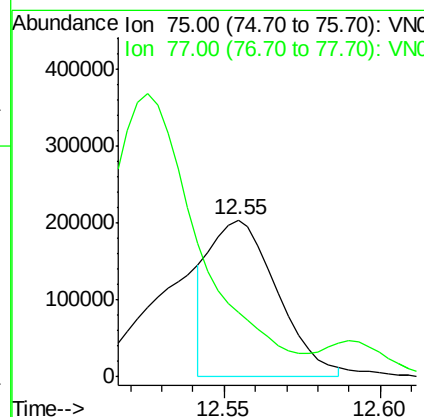
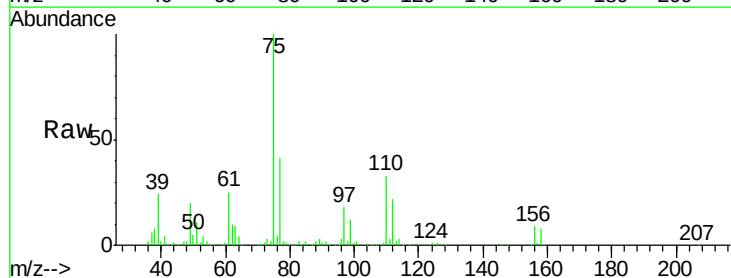
Manual Integrations
 APPROVED

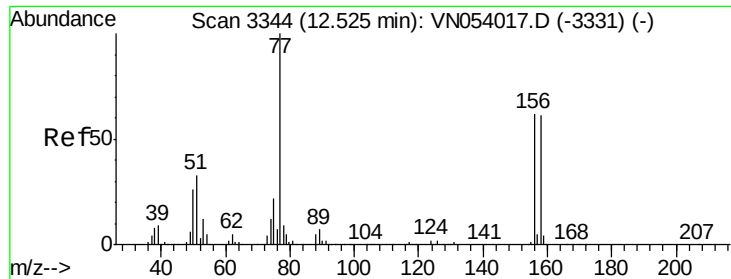
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#72
 1,2,3-Trichloropropane
 Concen: 52.636 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	248.5	0.0	514.8	





#73

Bromobenzene

Concen: 51.618 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

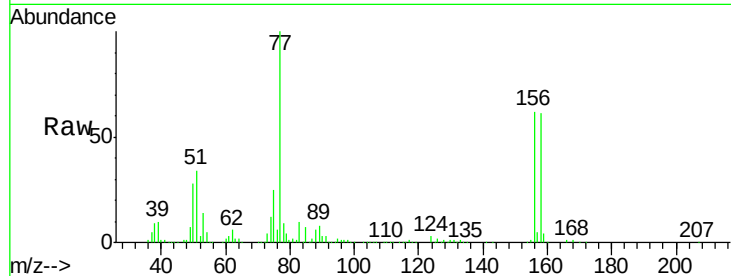
ClientSampled :

VSTDIC050

Tot Ion:	156	Resp:	401609
Ion Ratio	Lower	Upper	
156	100		
77	188.1	0.0	382.6
158	97.3	0.0	196.8

Manual Integrations
APPROVED

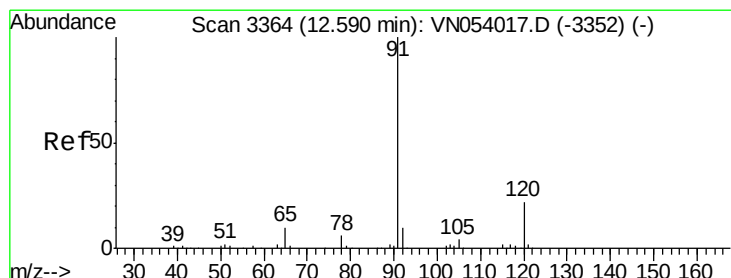
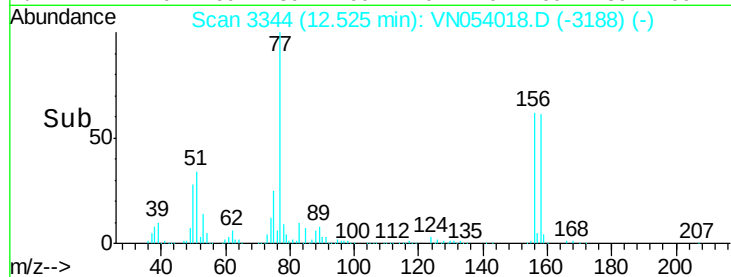
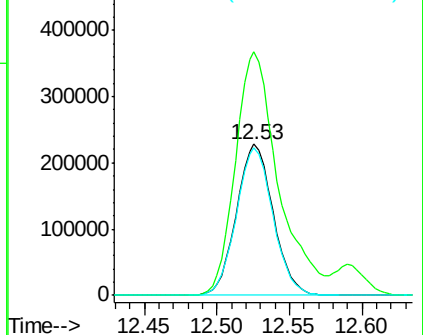
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 52.841 ug/l

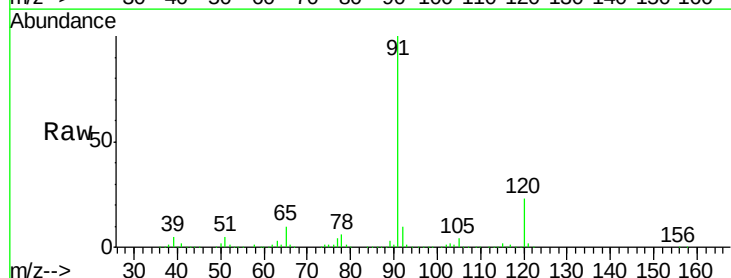
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054018.D

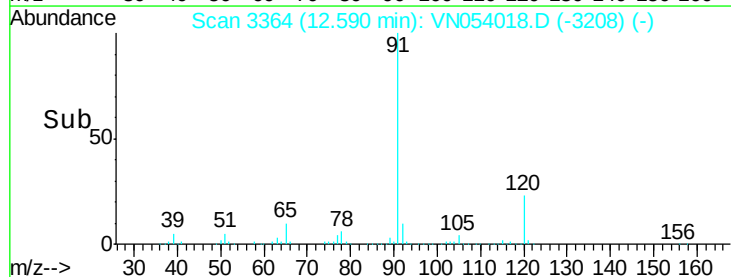
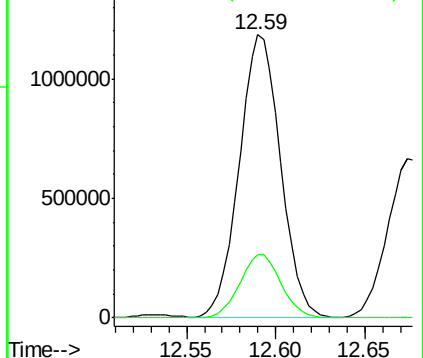
Acq: 1 Mar 2019 9:43

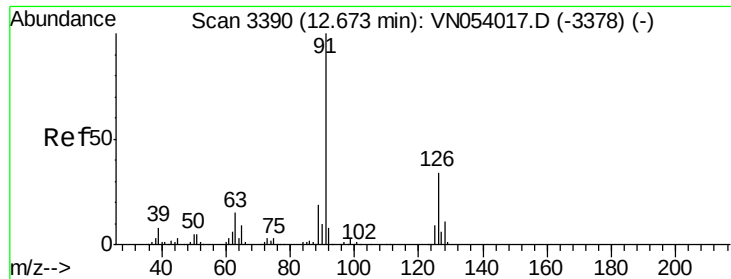
Tgt Ion:	91	Resp:	1908369
Ion Ratio	Lower	Upper	
91	100		
120	22.5	0.0	44.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 51.668 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 91 Resp: 1113267

Ion Ratio Lower Upper

91 100

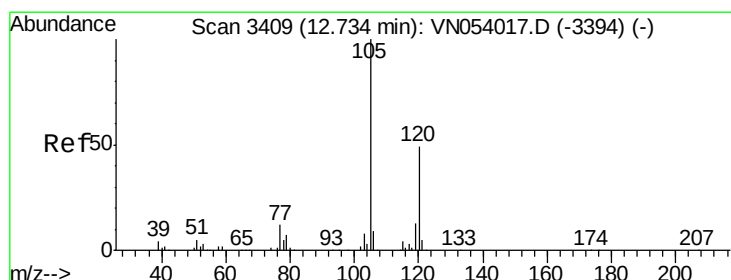
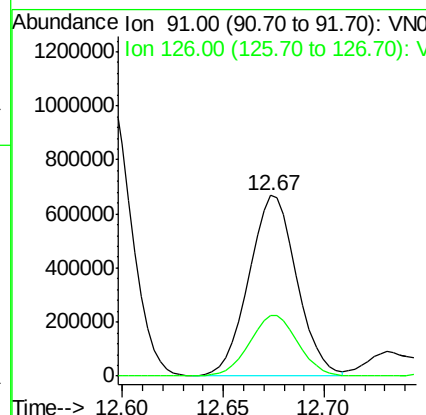
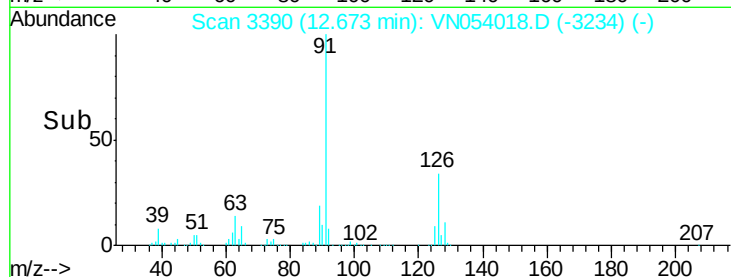
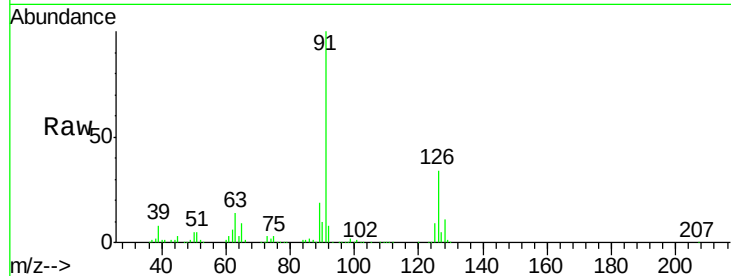
126 34.2 0.0 68.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 53.012 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054018.D

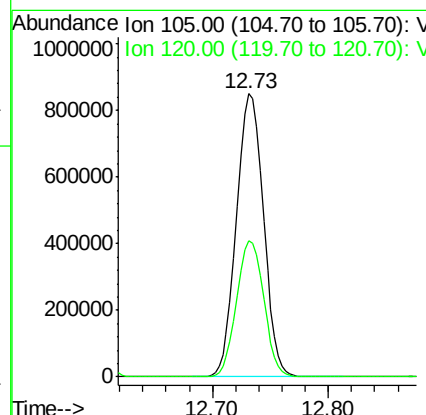
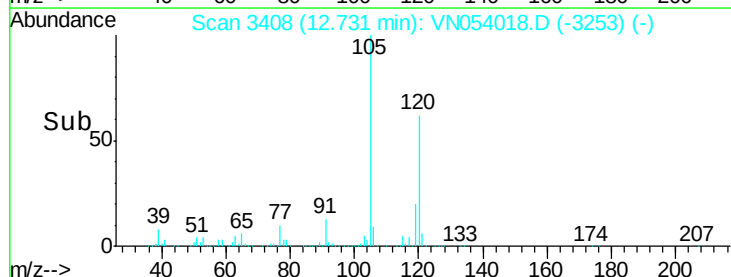
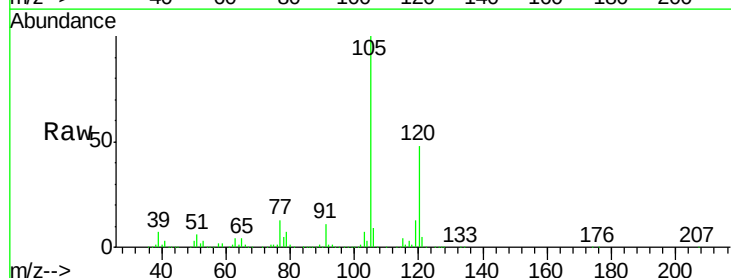
Acq: 1 Mar 2019 9:43

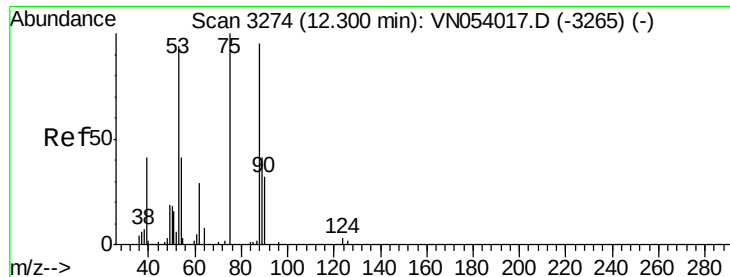
Tgt Ion: 105 Resp: 1367051

Ion Ratio Lower Upper

105 100

120 48.3 0.0 97.4





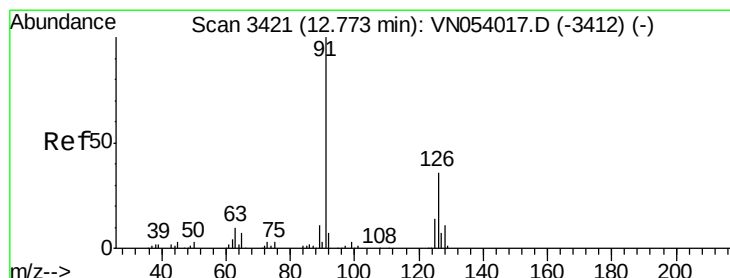
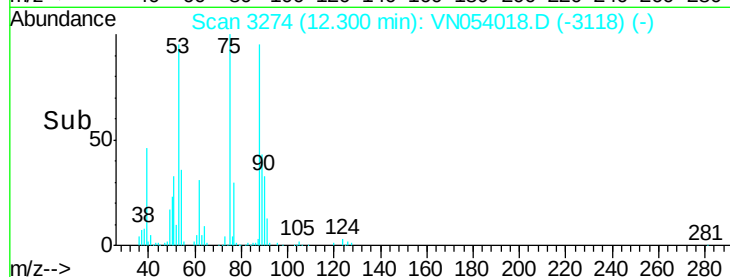
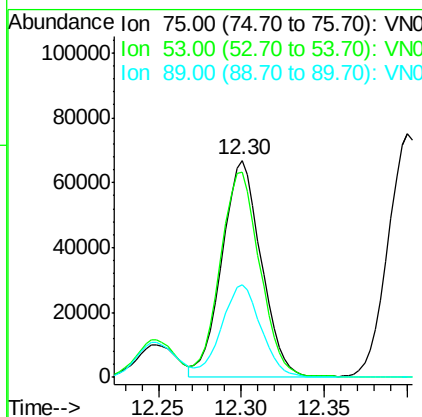
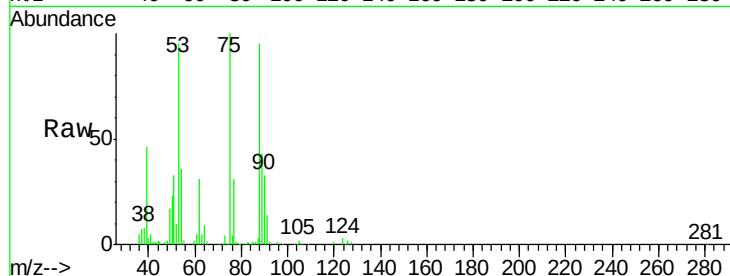
#77
t-1,4-Dichloro-2-butene
Concen: 61.086 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.5	48.5	145.6
89	42.7	21.7	65.1

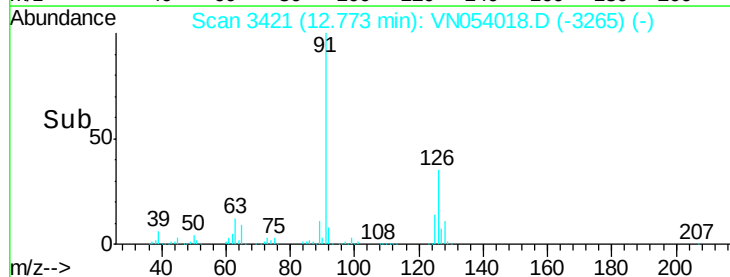
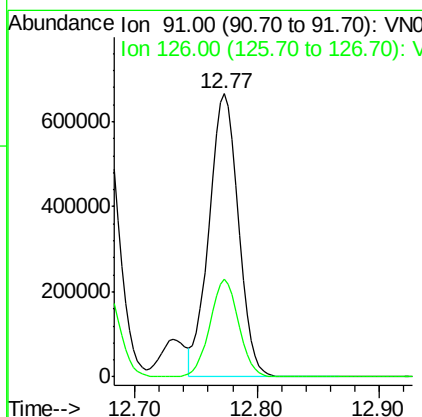
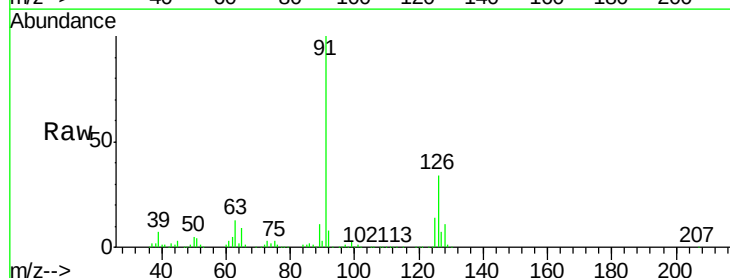
Manual Integrations
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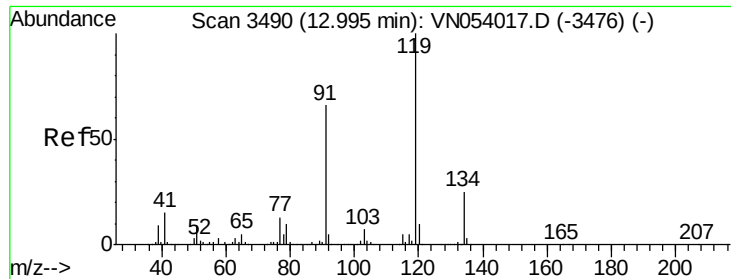
MMDadoda
3/6/2019 10:23:18 AM



#78
4-Chlorotoluene
Concen: 53.308 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	0.0	68.2





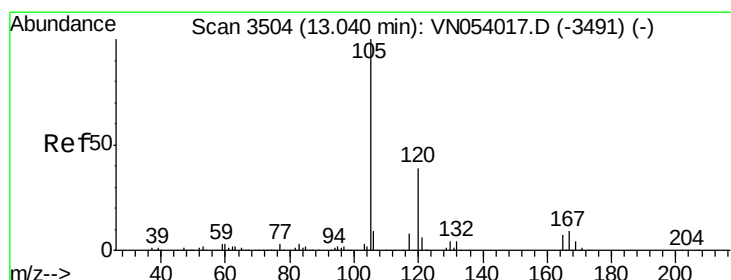
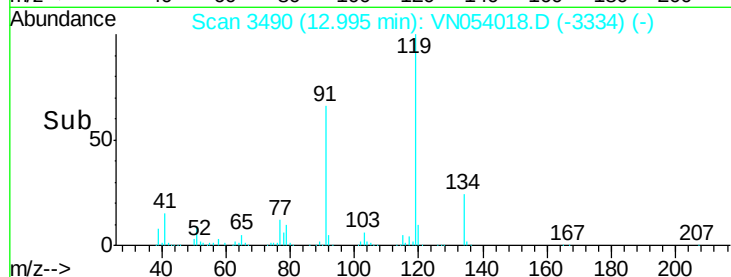
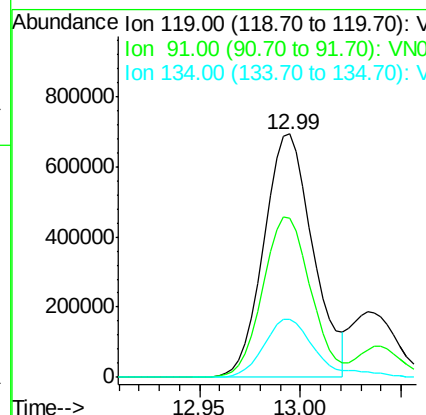
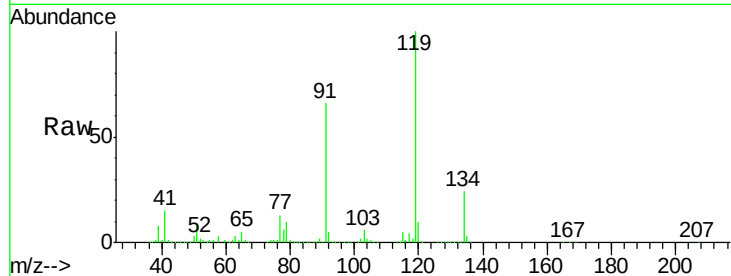
#79
tert-butylbenzene
Concen: 51.715 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	0.0	129.8
134	25.4	0.0	52.2

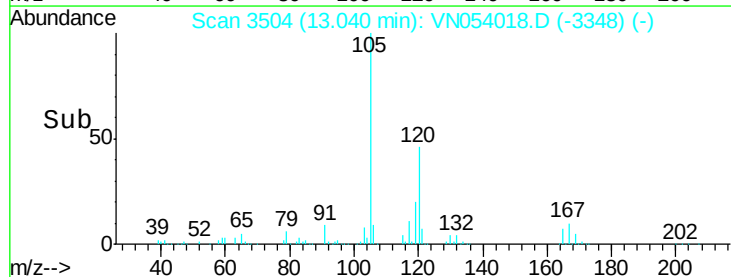
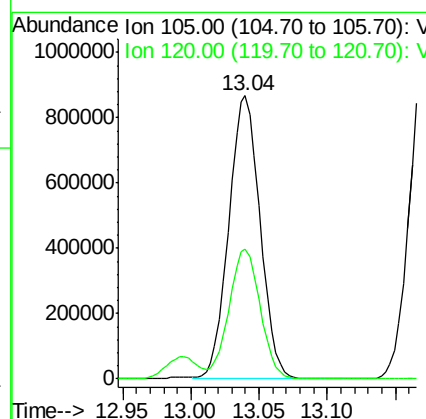
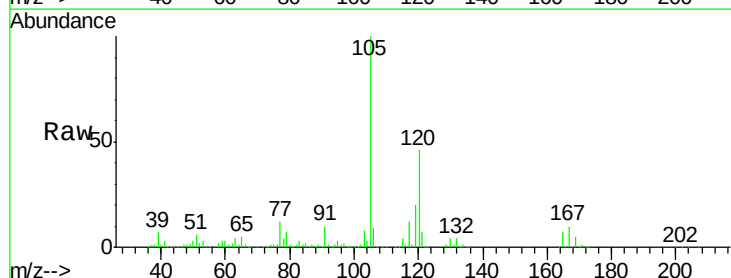
Manual Integrations
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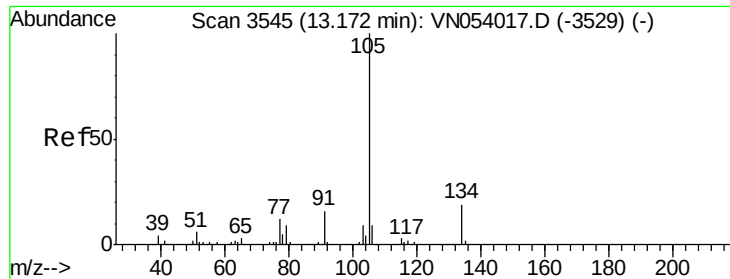
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#80
1,2,4-Trimethylbenzene
Concen: 54.849 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	0.0	91.0





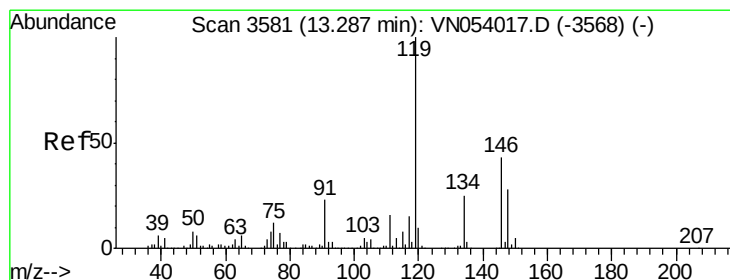
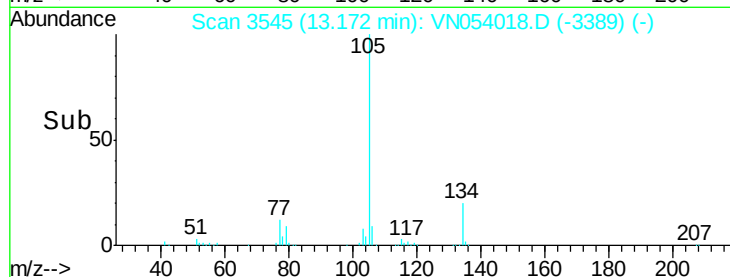
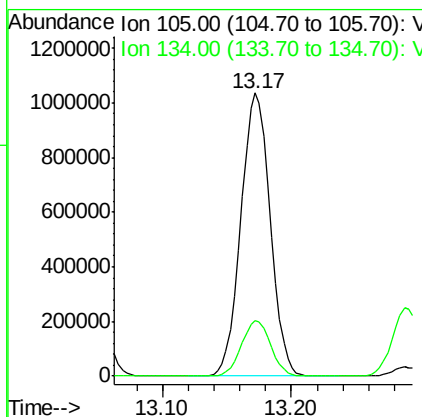
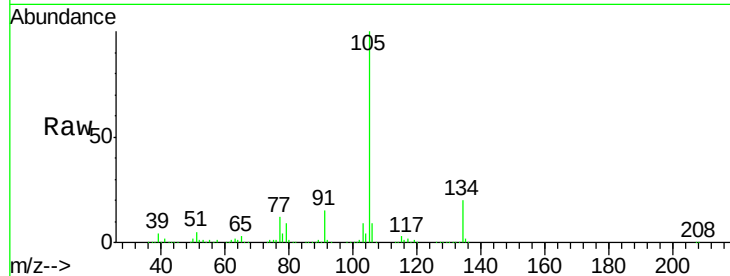
#81
 sec-Butylbenzene
 Concen: 51.941 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion:105 Resp: 1633291
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 40.4

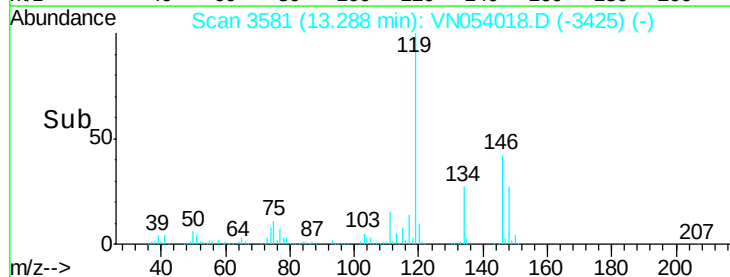
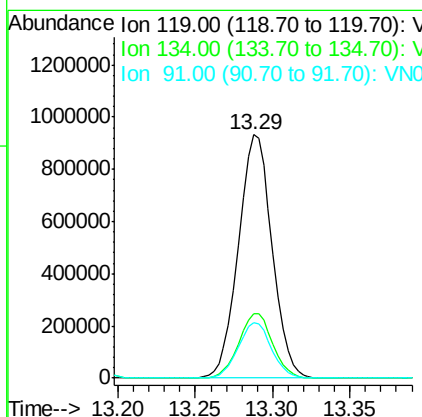
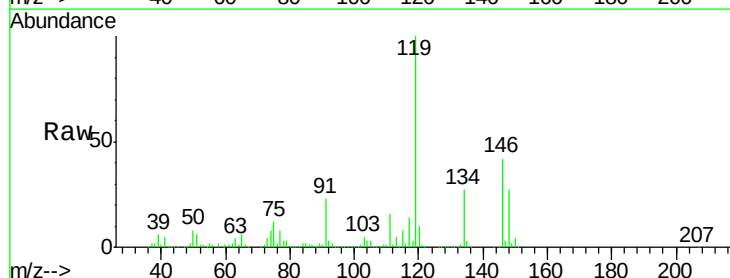
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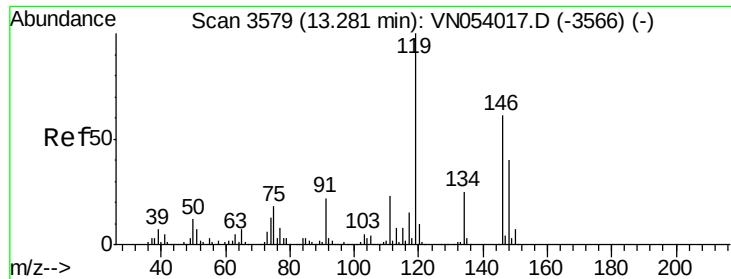
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#82
 p-Isopropyltoluene
 Concen: 53.915 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion:119 Resp: 1407126
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.6
 91 22.6 0.0 46.2





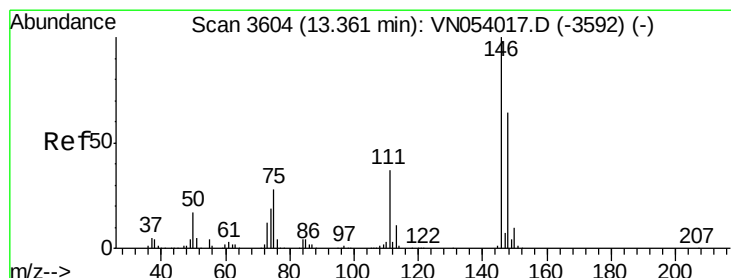
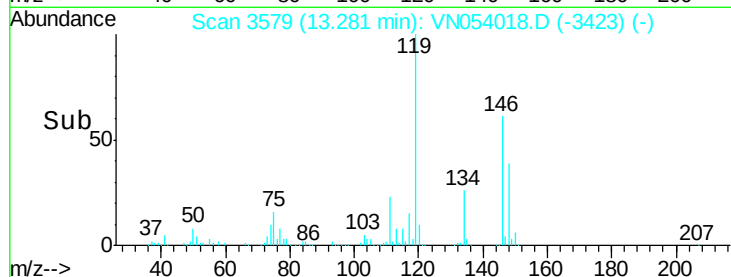
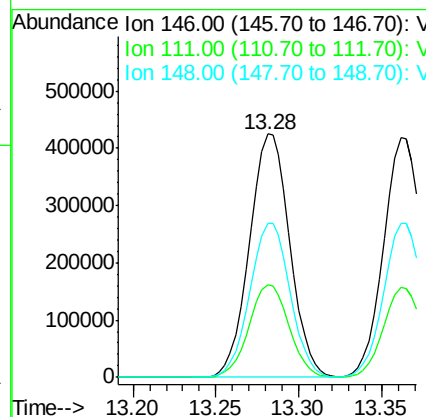
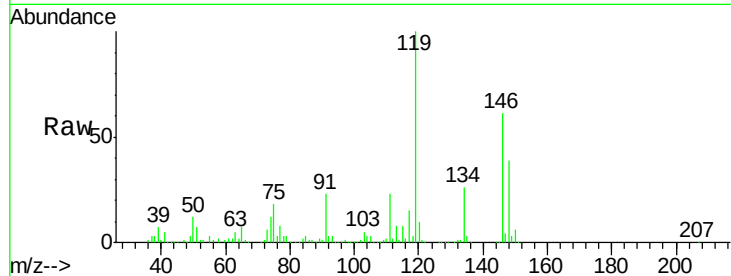
#83
 1,3-Dichlorobenzene
 Concen: 53.911 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.7	59.0
148	63.4	32.3	96.8

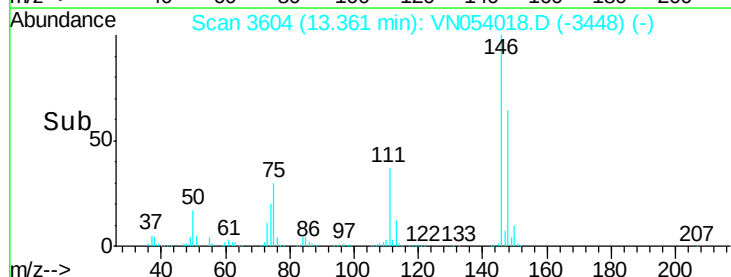
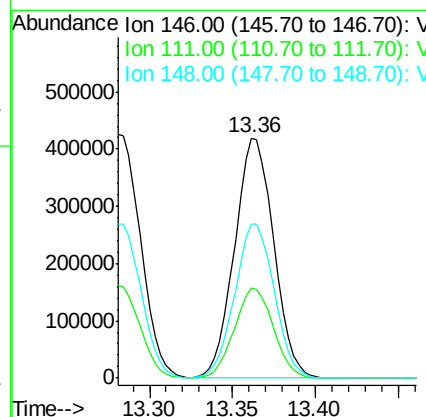
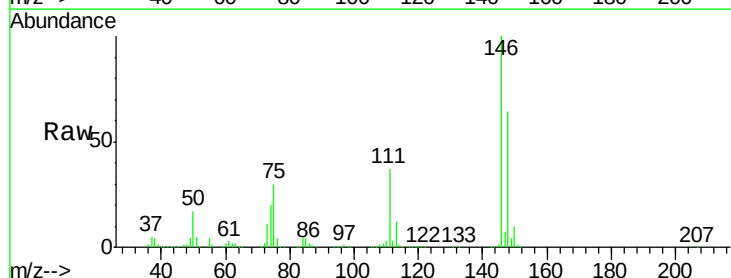
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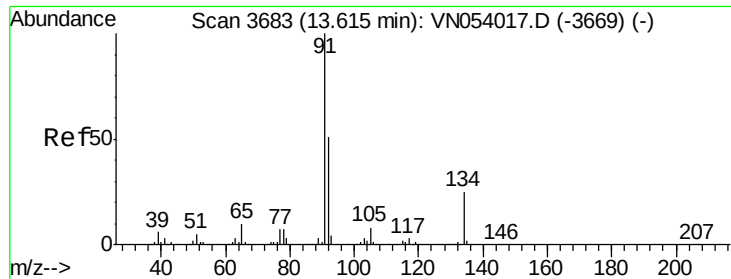
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#84
 1,4-Dichlorobenzene
 Concen: 55.606 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	64.9	32.5	97.4





#85

n-Butylbenzene

Concen: 59.513 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 91 Resp: 1254194

Ion Ratio Lower Upper

91 100

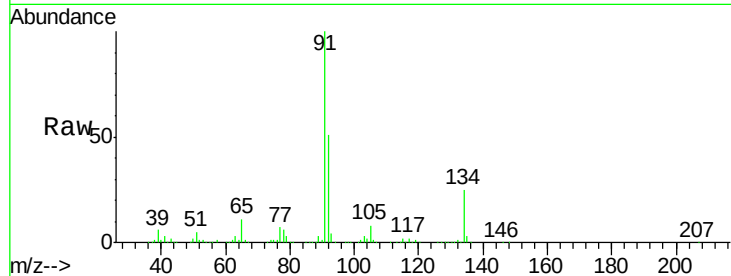
92 51.6 0.0 104.2

134 25.3 0.0 50.6

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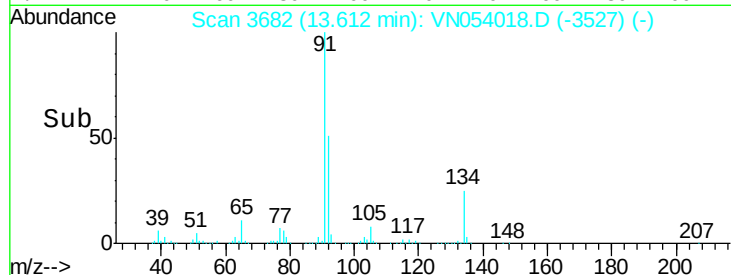


Abundance Ion 91.00 (90.70 to 91.70): VN054017.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN054017.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN054017.D (-3669) (-)

Time-->



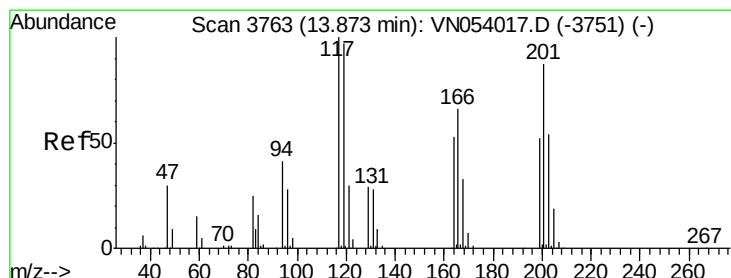
Abundance

Ion 91.00 (90.70 to 91.70): VN054017.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN054017.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN054017.D (-3669) (-)

Time-->



#86

Hexachloroethane

Concen: 50.137 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054018.D

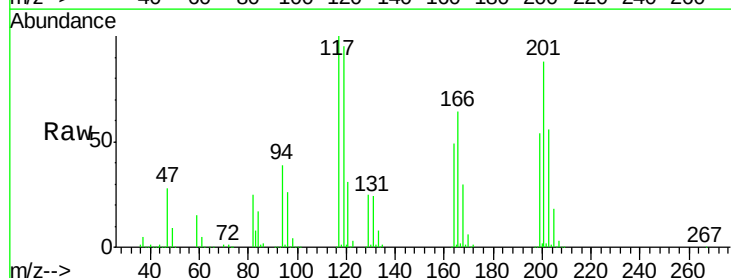
Acq: 1 Mar 2019 9:43

Tgt Ion: 117 Resp: 249841

Ion Ratio Lower Upper

117 100

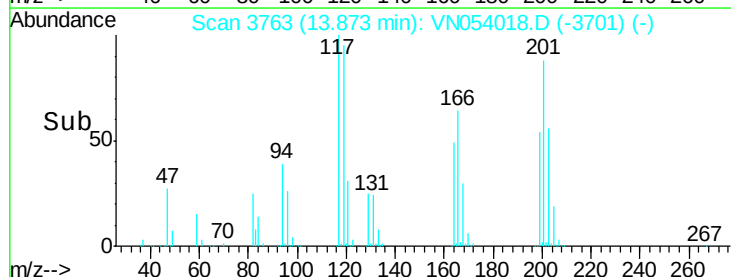
201 89.2 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN054017.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN054017.D (-3751) (-)

Time-->

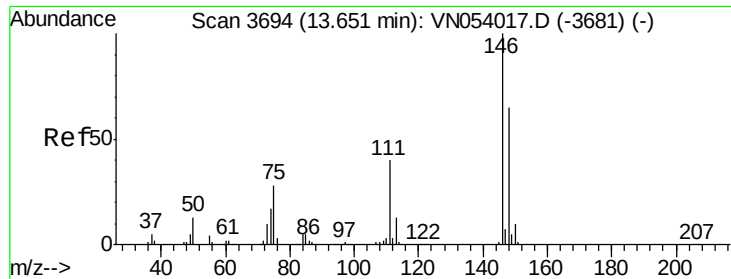


Abundance

Ion 117.00 (116.70 to 117.70): VN054017.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN054017.D (-3751) (-)

Time-->



#87

1,2-Dichlorobenzene

Concen: 53.101 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Instrument :

MSVOA_N

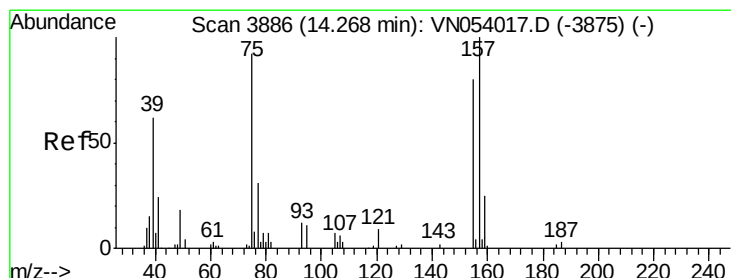
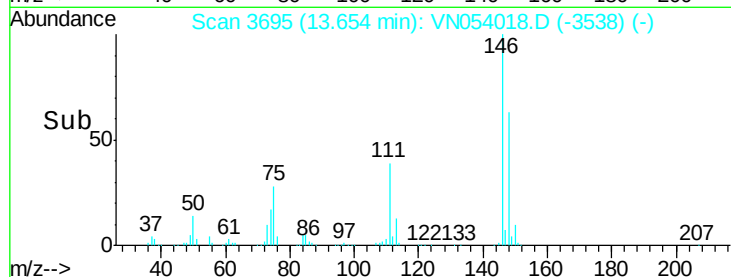
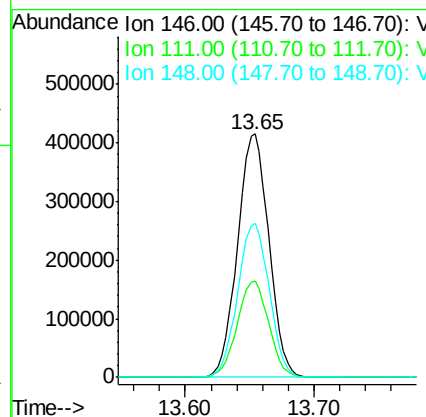
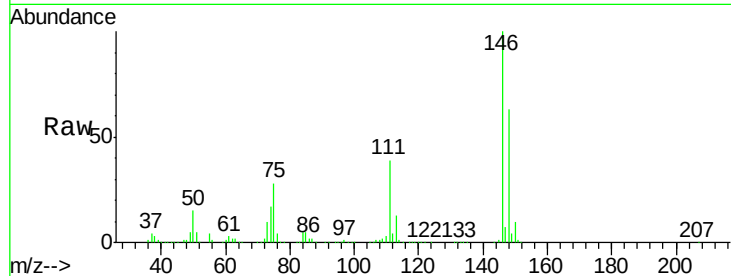
ClientSampled :

VSTDIC050

Tot Ion:	146	Resp:	700354
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.3	60.8
148	63.6	32.1	96.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 57.052 ug/l

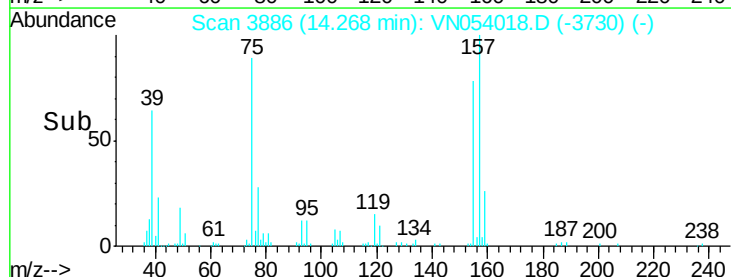
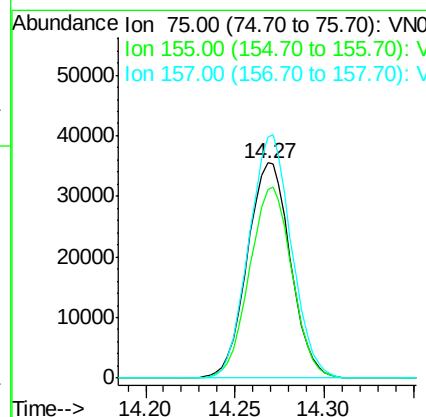
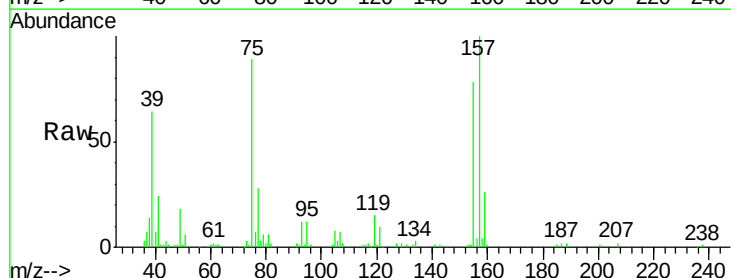
RT: 14.27 min Scan# 3886

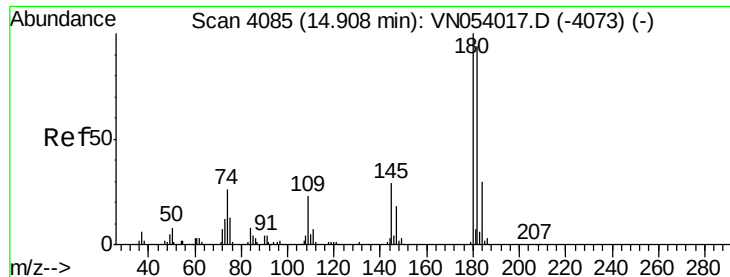
Delta R.T. 0.00 min

Lab File: VN054018.D

Acq: 1 Mar 2019 9:43

Tgt Ion:	75	Resp:	60277
Ion Ratio	Lower	Upper	
75	100		
155	87.1	72.2	108.2
157	111.2	94.2	141.2





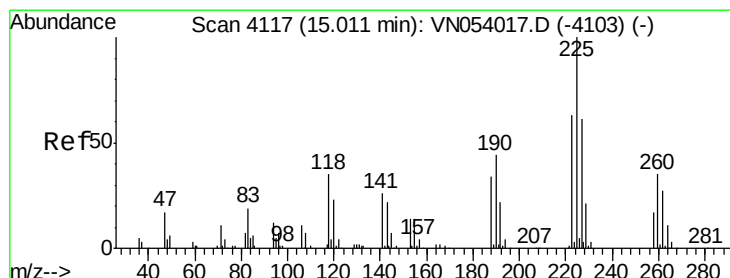
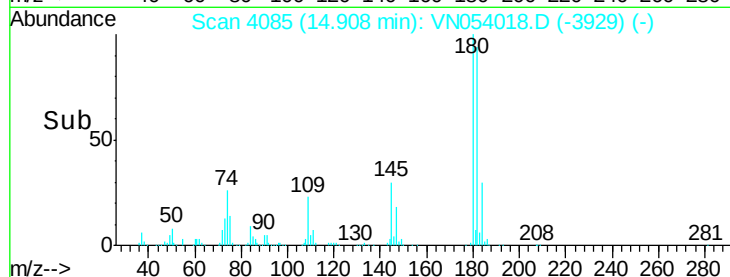
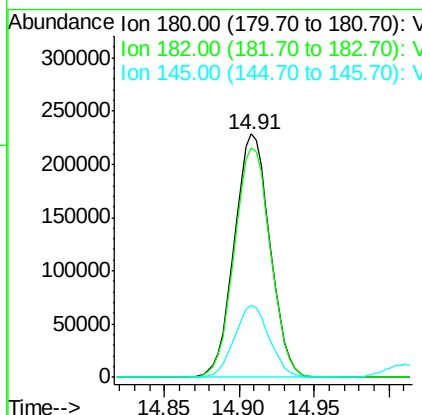
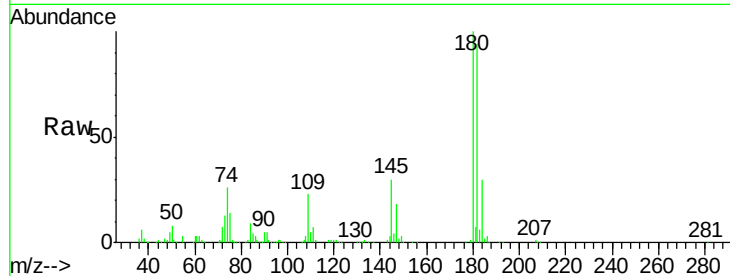
#89
 1,2,4-Trichlorobenzene
 Concen: 72.592 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	76.6	114.8	
145	29.1	23.6	35.4	

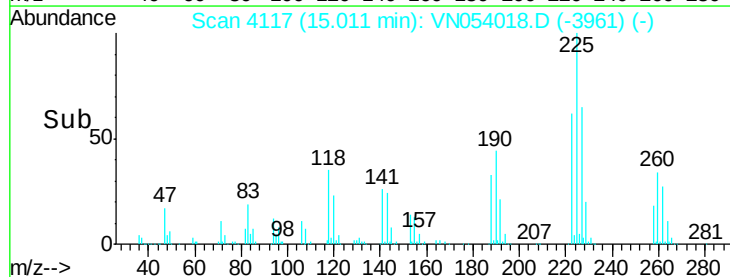
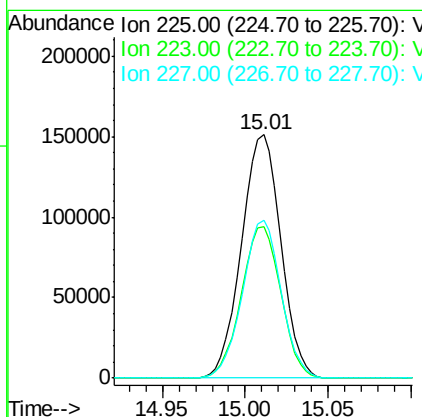
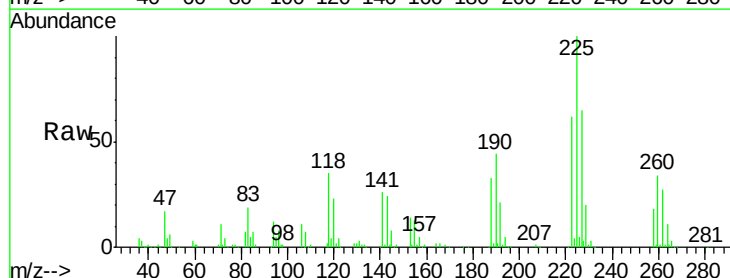
Manual Integrations
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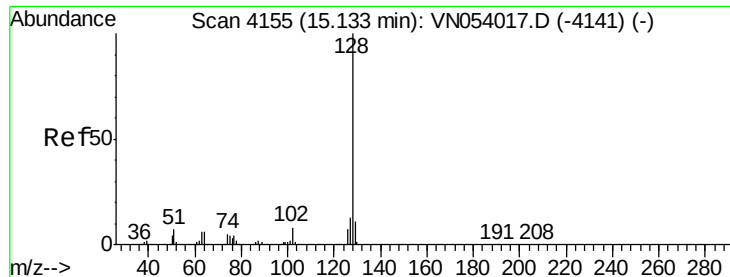
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#90
 Hexachlorobutadiene
 Concen: 48.314 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054018.D
 Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	0.0	125.6	
227	63.4	0.0	127.8	





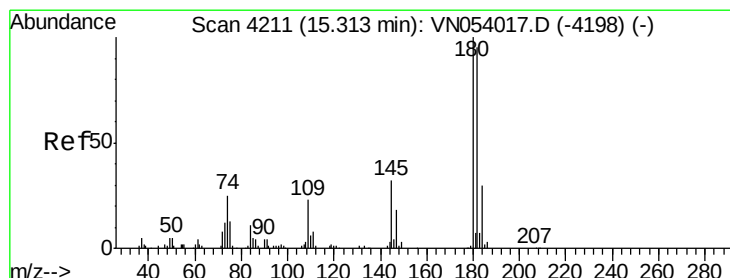
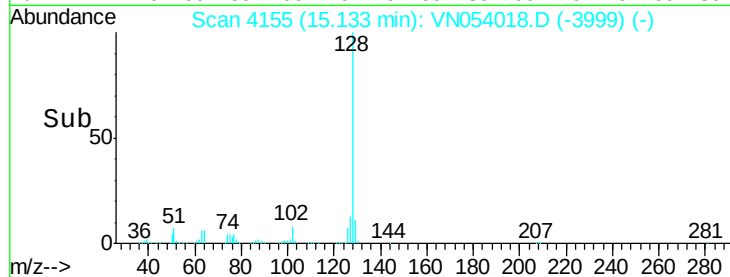
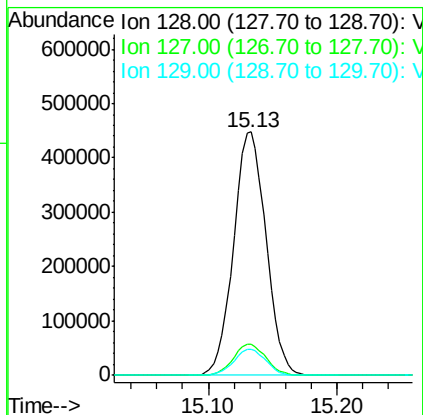
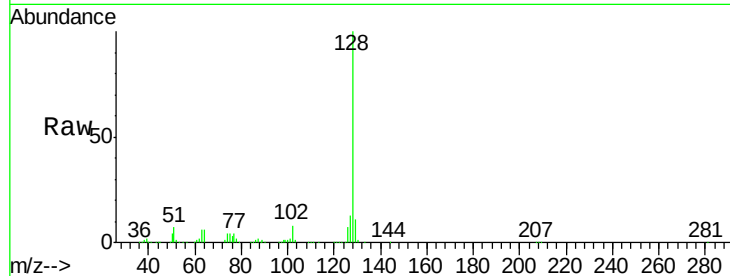
#91
Naphthalene
Concen: 84.934 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	782791		
127	12.9		9.9	14.9
129	10.8		8.5	12.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 66.257 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054018.D
Acq: 1 Mar 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	365847		
182	96.5		0.0	196.2
145	30.4		0.0	62.2

