

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055040.D
 Acq On : 15 Apr 2019 12:01
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041519

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 1:49:17 PM

Quant Time: Apr 15 13:43:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:24:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	447083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	695192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	613406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	257420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	268983	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	
35) Dibromofluoromethane	7.59	113	221958	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	10.09	98	813248	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.40	95	273946	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	245259	48.271	ug/l	99
3) Chloromethane	2.06	50	305535	46.105	ug/l	97
4) Vinyl Chloride	2.19	62	255725	45.910	ug/l	98
5) Bromomethane	2.55	94	147281	46.739	ug/l	98
6) Chloroethane	2.70	64	136733	45.520	ug/l	100
7) Trichlorofluoromethane	3.02	101	318797	45.764	ug/l	98
8) Diethyl Ether	3.41	74	101365	45.585	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	165185	45.311	ug/l	98
10) Methyl Iodide	3.94	142	299073	52.865	ug/l	95
11) Tert butyl alcohol	4.82	59	80989	248.625	ug/l	99
12) 1,1-Dichloroethene	3.73	96	158072	44.546	ug/l	98
13) Acrolein	3.61	56	89173	221.469	ug/l	98
14) Allyl chloride	4.31	41	422911	48.689	ug/l	100
15) Acrylonitrile	4.99	53	483541	248.103	ug/l	99
16) Acetone	3.82	43	400299	248.171	ug/l	99
17) Carbon Disulfide	4.04	76	552385	48.223	ug/l	99
18) Methyl Acetate	4.33	43	230005	49.471	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	619524	48.805	ug/l	99
20) Methylene Chloride	4.54	84	245925	43.371	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	224194	46.713	ug/l	95
22) Diisopropyl ether	5.96	45	866693	48.538	ug/l	98
23) Vinyl Acetate	5.90	43	3132189	265.384	ug/l	99
24) 1,1-Dichloroethane	5.84	63	447223	47.033	ug/l	99
25) 2-Butanone	6.85	43	629605	261.532	ug/l	99
26) 2,2-Dichloropropane	6.82	77	313387	52.218	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	259177	47.733	ug/l	100
28) Bromochloromethane	7.19	49	220594	48.126	ug/l #	99
29) Tetrahydrofuran	7.22	42	388026	245.791	ug/l	98
30) Chloroform	7.37	83	427524	46.288	ug/l	100
31) Cyclohexane	7.65	56	416389	49.519	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	349703	47.789	ug/l	99
36) 1,1-Dichloropropene	7.79	75	323872	49.420	ug/l	99
37) Ethyl Acetate	6.94	43	260069	48.745	ug/l	99
38) Carbon Tetrachloride	7.77	117	296186	47.503	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	351401	49.482	ug/l	97
40) Benzene	8.04	78	978793	49.556	ug/l	100
41) Methacrylonitrile	7.18	41	150156	50.701	ug/l	97
42) 1,2-Dichloroethane	8.12	62	332906	48.546	ug/l	100
43) Isopropyl Acetate	8.17	43	435189	52.936	ug/l	99
44) Trichloroethene	8.83	130	245908	49.706	ug/l	97
45) 1,2-Dichloropropane	9.12	63	272513	49.473	ug/l	98
46) Dibromomethane	9.21	93	153881	49.080	ug/l	97
47) Bromodichloromethane	9.40	83	320669	49.608	ug/l	100
48) Methyl methacrylate	9.20	41	220499	54.113	ug/l	99
49) 1,4-Dioxane	9.20	88	36866	965.690	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1262642	265.850	ug/l	98
52) Toluene	10.16	92	575620	50.884	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	314908	55.745	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	383929	54.759	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	216676	49.714	ug/l	99
56) Ethyl methacrylate	10.43	69	286773	54.826	ug/l	99
57) 1,3-Dichloropropane	10.71	76	379053	51.081	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	546138	238.246	ug/l	99
59) 2-Hexanone	10.75	43	809171	271.251	ug/l	100
60) Dibromochloromethane	10.90	129	226725	53.273	ug/l	99
61) 1,2-Dibromoethane	11.00	107	208858	52.064	ug/l	98
64) Tetrachloroethene	10.63	164	224941	45.096	ug/l	98
65) Chlorobenzene	11.43	112	596978	48.349	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	227855	50.174	ug/l	99
67) Ethyl Benzene	11.51	91	1085315	49.220	ug/l	100
68) m/p-Xylenes	11.62	106	808493	101.256	ug/l	99
69) o-Xylene	11.95	106	393699	50.908	ug/l	99
70) Styrene	11.96	104	652733	52.142	ug/l	99
71) Bromoform	12.13	173	141644	54.416	ug/l #	99
73) Isopropylbenzene	12.25	105	1031387	45.152	ug/l	99
74) N-amyl acetate	12.07	43	346945	53.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	271091	44.352	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	202281m	43.698	ug/l	
77) Bromobenzene	12.53	156	252550	44.347	ug/l	99
78) n-propylbenzene	12.59	91	1160254	47.012	ug/l	99
79) 2-Chlorotoluene	12.67	91	705789	45.849	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	849397	46.078	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	60885	52.596	ug/l	96
82) 4-Chlorotoluene	12.77	91	694133	48.331	ug/l	99
83) tert-Butylbenzene	12.99	119	713058	45.803	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	845541	48.400	ug/l	100
85) sec-Butylbenzene	13.17	105	924414	46.600	ug/l	100
86) p-Isopropyltoluene	13.29	119	817481	48.034	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	427586	49.398	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	409597	49.622	ug/l	100
89) n-Butylbenzene	13.61	91	669951	53.027	ug/l	99
90) Hexachloroethane	13.87	117	129261	46.678	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	417100	47.893	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38674	51.382	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	197710	50.076	ug/l	98
94) Hexachlorobutadiene	15.01	225	129451	48.124	ug/l	99
95) Naphthalene	15.13	128	457485	49.563	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	201125	59.863	ug/l	99

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

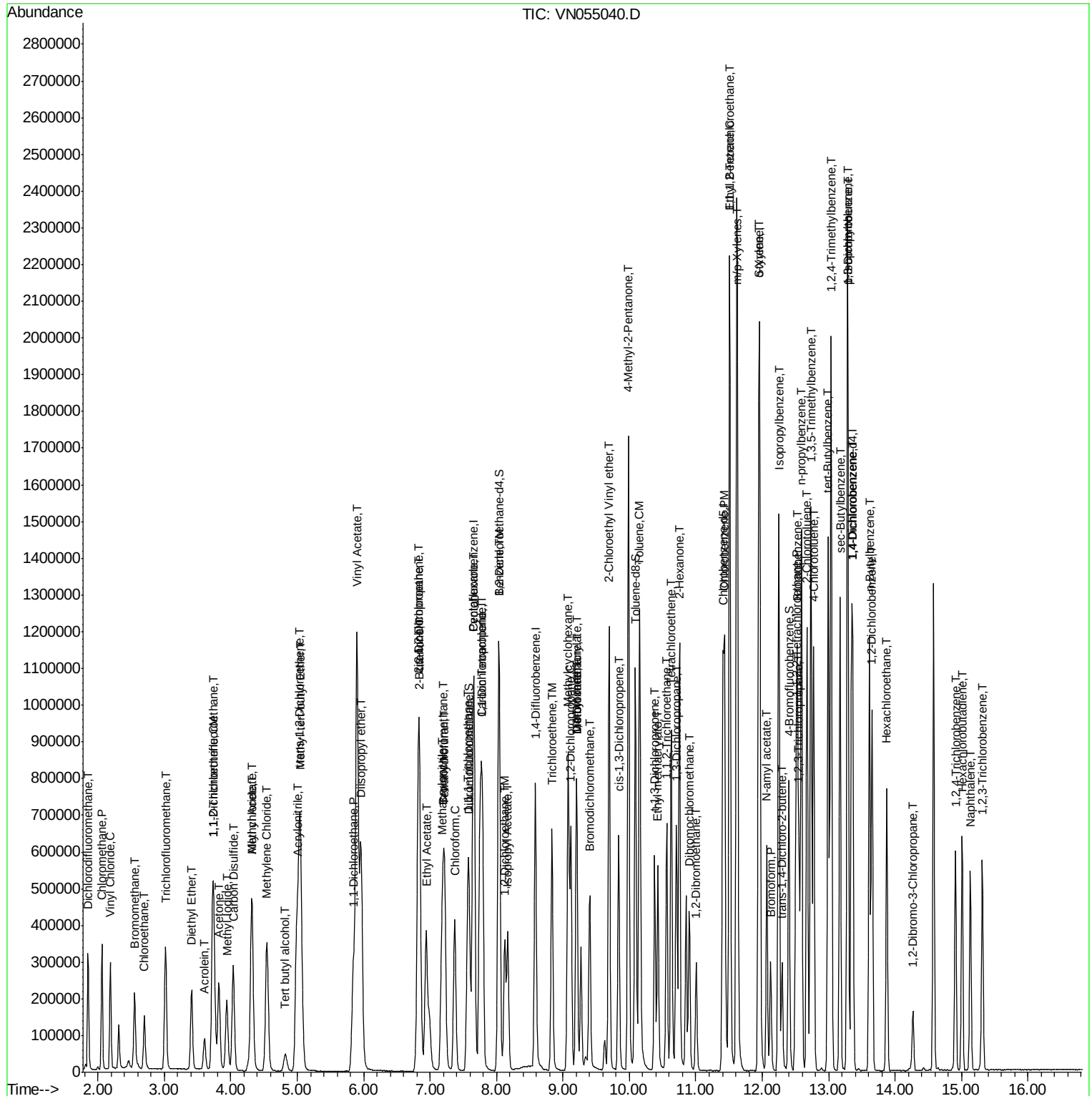
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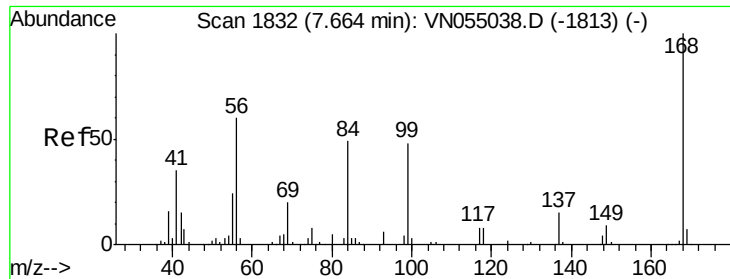
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041519

Tot Ion:168 Resp: 447083

Ion Ratio Lower Upper

168 100

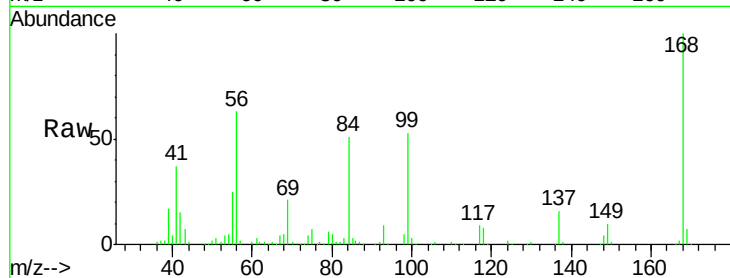
99 52.6 41.9 62.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

150000

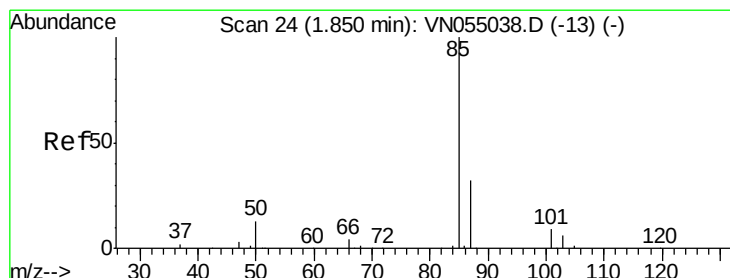
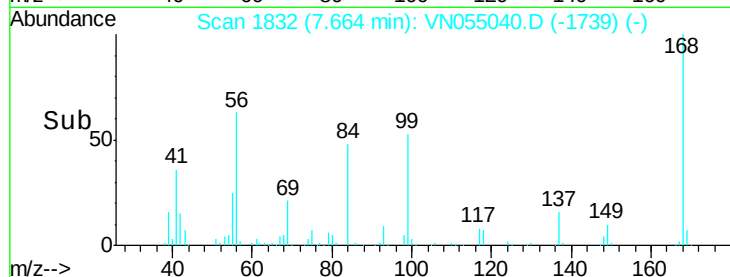
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.271 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055040.D

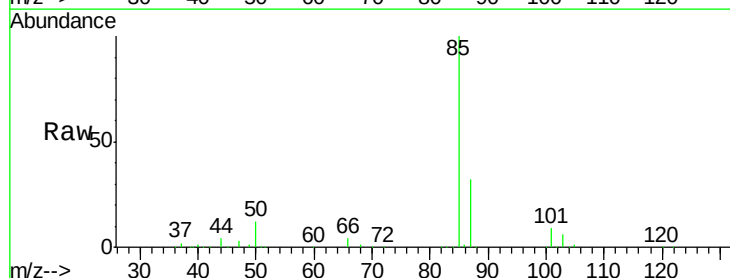
Acq: 15 Apr 2019 12:01

Tgt Ion: 85 Resp: 245259

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

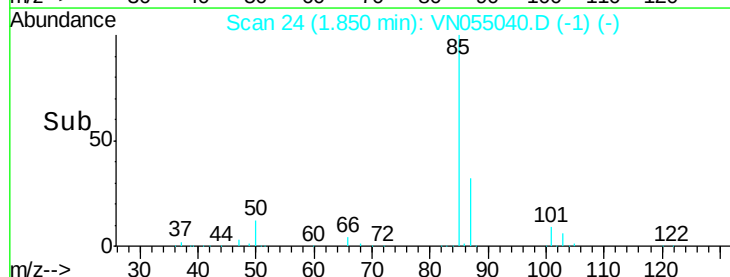
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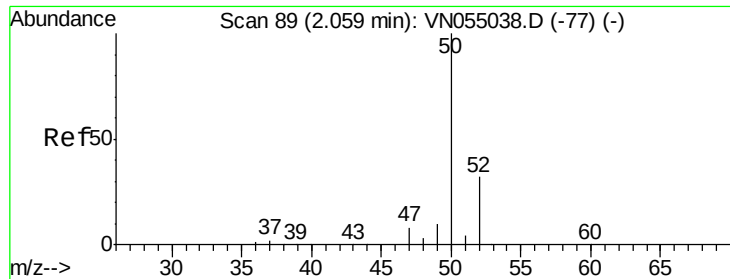
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.105 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041519

Tot Ion: 50 Resp: 305535

Ion Ratio Lower Upper

50 100

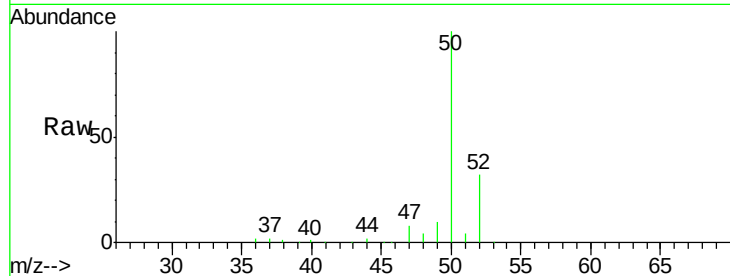
52 31.6 26.6 40.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

250000

200000

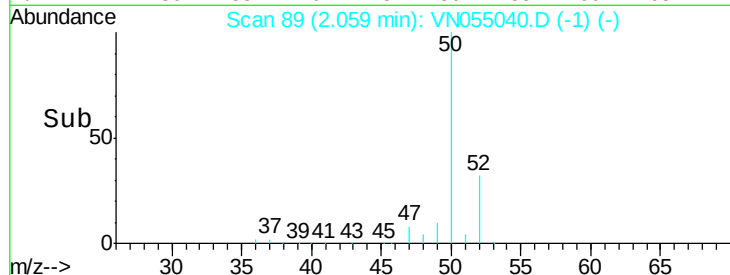
150000

100000

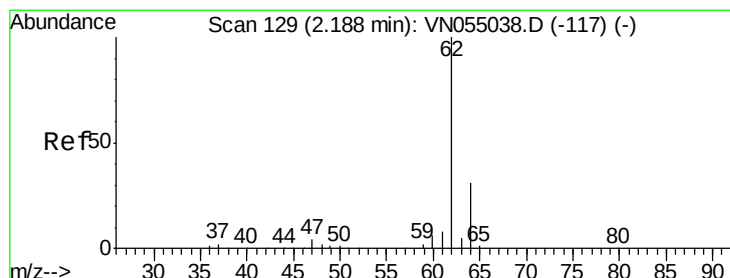
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 45.910 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055040.D

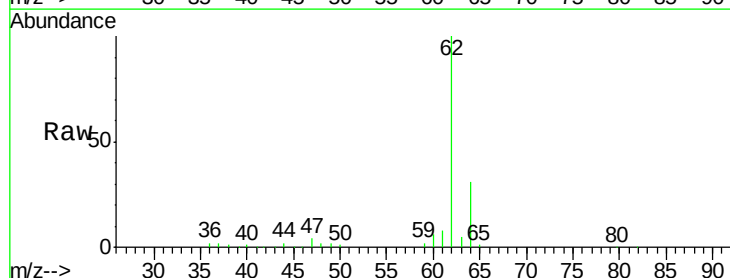
Acq: 15 Apr 2019 12:01

Tgt Ion: 62 Resp: 255725

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

200000

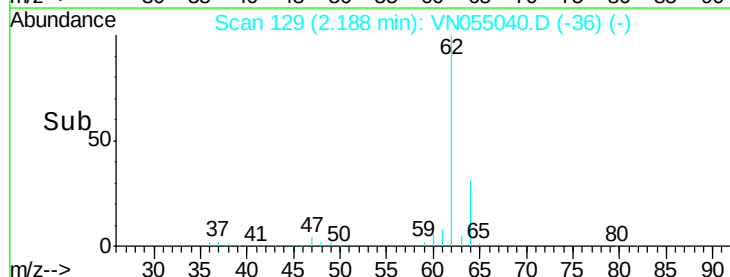
150000

100000

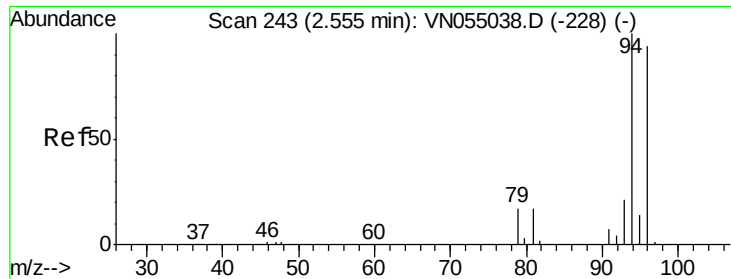
50000

0

Time-->



Time-->



#5

Bromomethane

Concen: 46.739 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041519

Tot Ion: 94 Resp: 147281

Ion Ratio Lower Upper

94 100

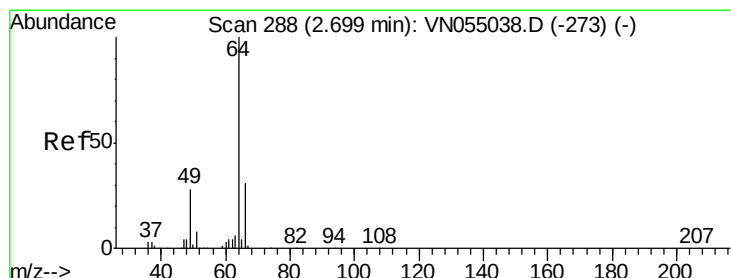
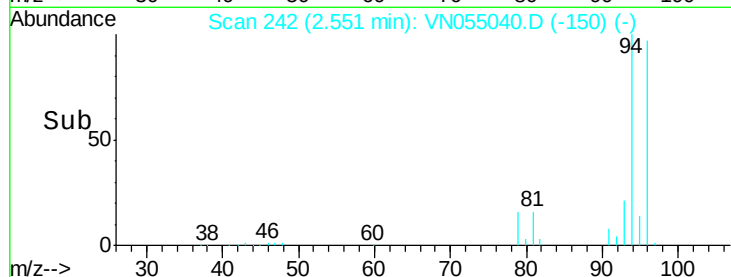
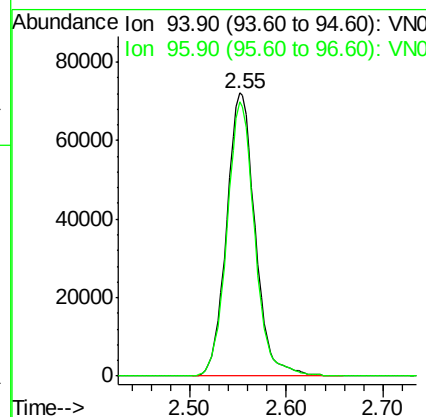
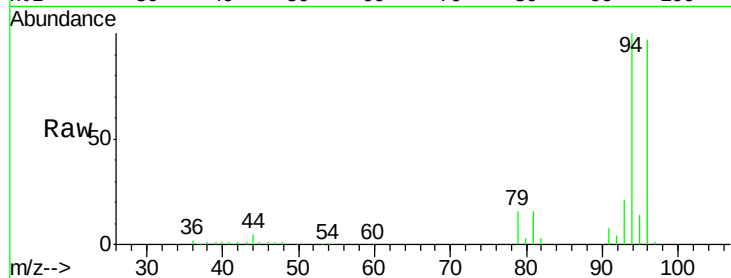
96 96.9 76.2 114.4

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#6

Chloroethane

Concen: 45.520 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055040.D

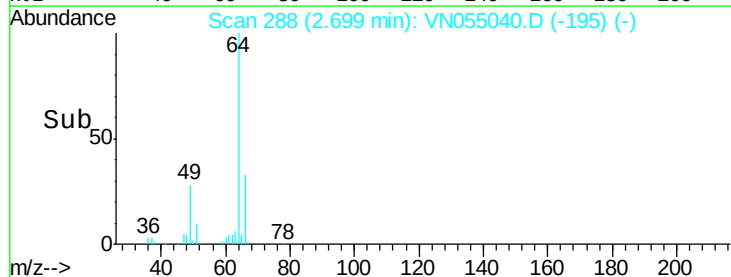
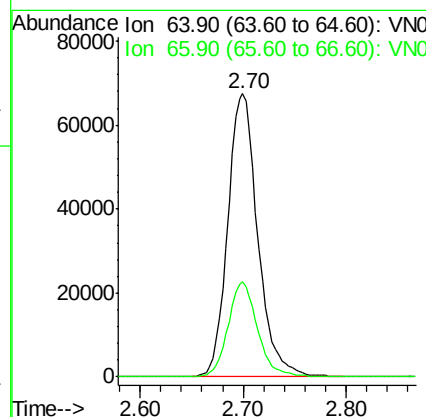
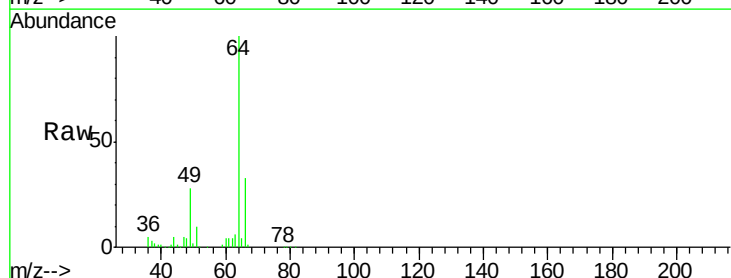
Acq: 15 Apr 2019 12:01

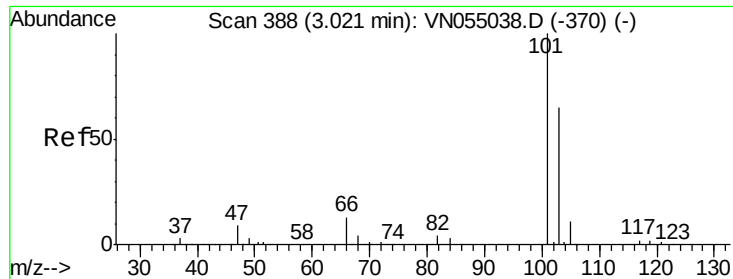
Tgt Ion: 64 Resp: 136733

Ion Ratio Lower Upper

64 100

66 33.4 26.6 40.0





#7

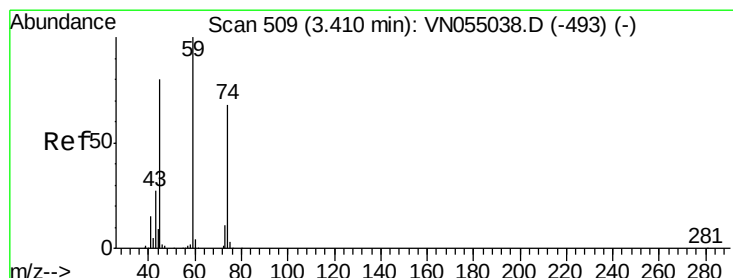
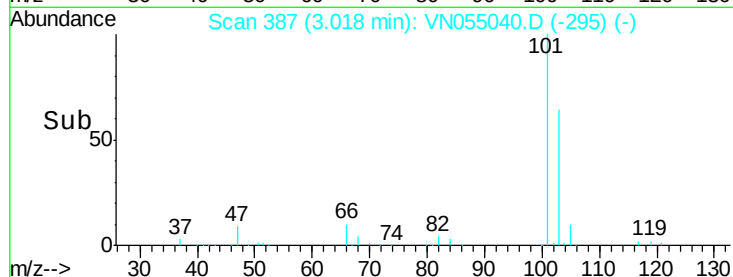
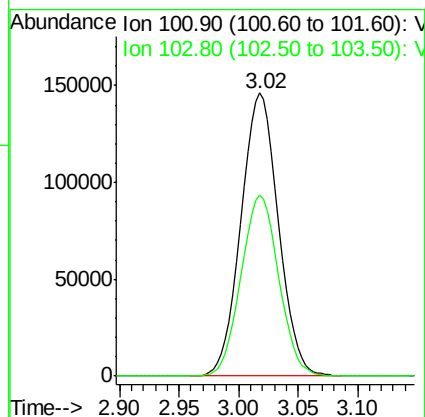
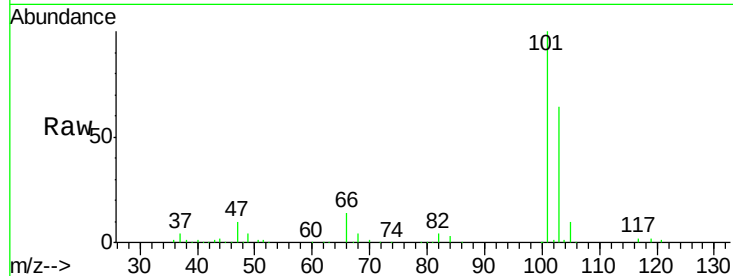
Trichlorofluoromethane
Concen: 45.764 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

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Tot Ion:101 Resp: 318797
Ion Ratio Lower Upper
101 100
103 63.9 52.5 78.7

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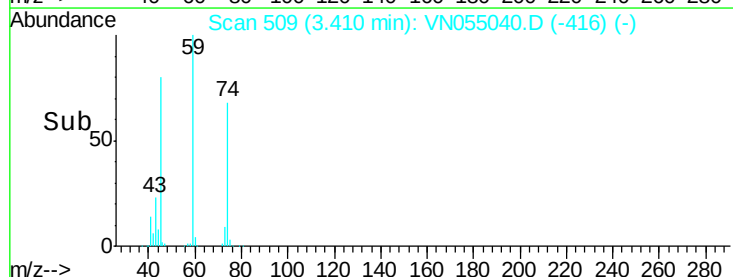
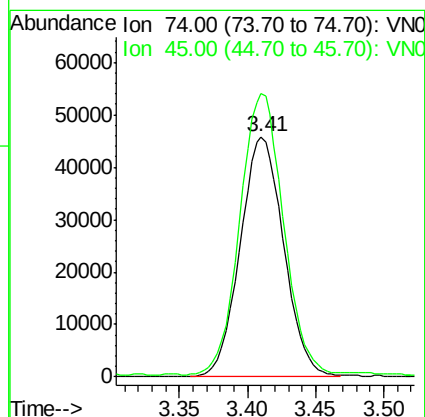
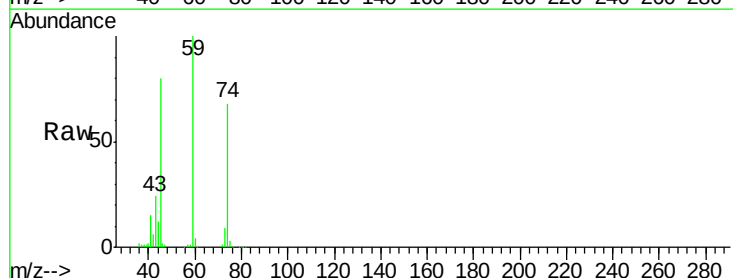
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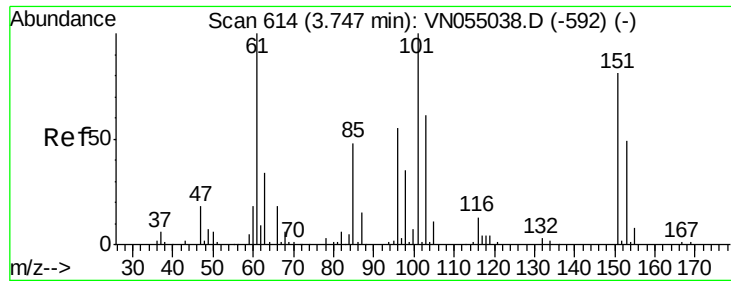


#8

Diethyl Ether
Concen: 45.585 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion: 74 Resp: 101365
Ion Ratio Lower Upper
74 100
45 117.3 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.311 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

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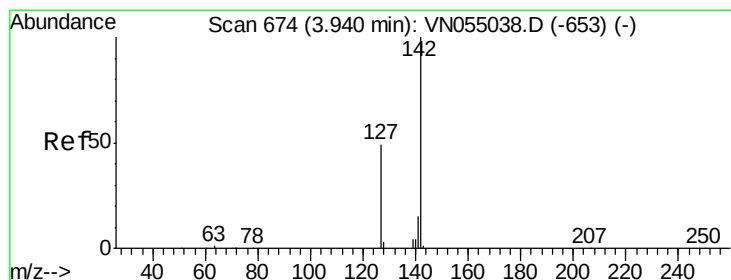
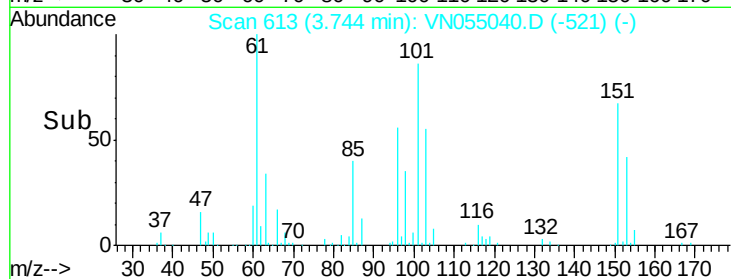
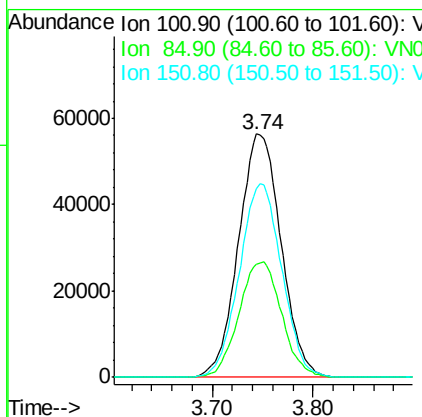
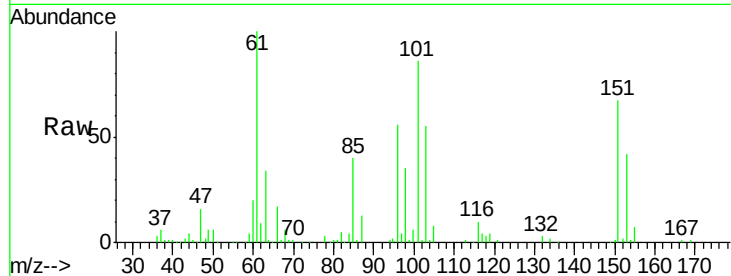
ClientSampleId :

ICVVN041519

Tot Ion:	101	Resp:	165185
Ion Ratio	Lower	Upper	
101	100		
85	47.5	36.9	55.3
151	79.4	64.4	96.6

Manual Integrations
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MMDadoda
4/17/2019 1:49:17 PM



#10

Methyl Iodide

Concen: 52.865 ug/l

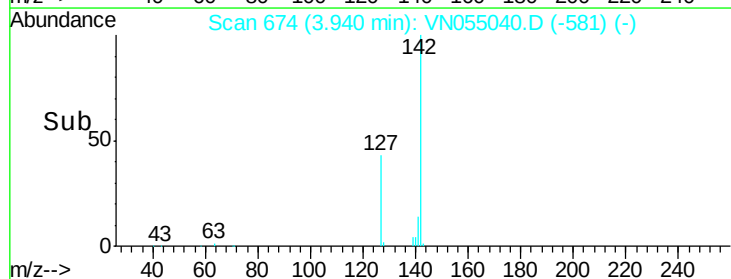
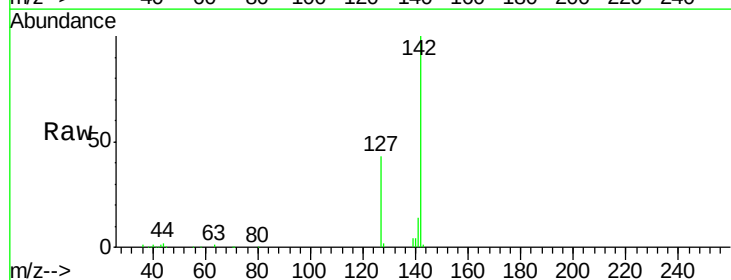
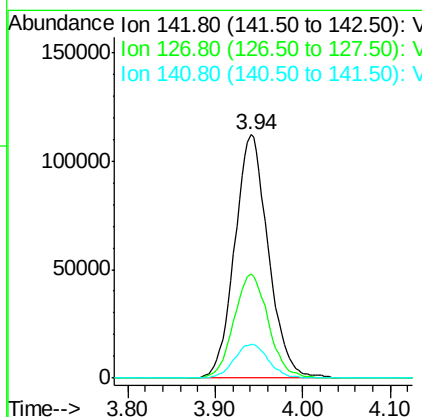
RT: 3.94 min Scan# 674

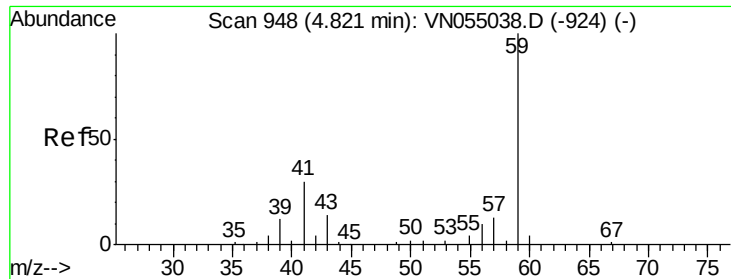
Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Tgt Ion:	142	Resp:	299073
Ion Ratio	Lower	Upper	
142	100		
127	43.7	37.9	56.9
141	14.1	11.8	17.8





#11

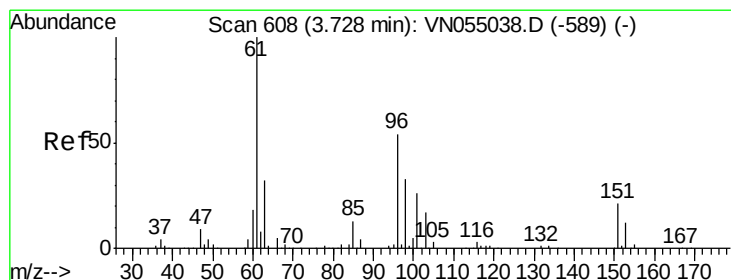
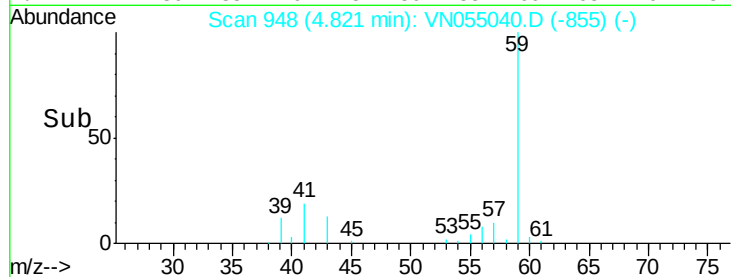
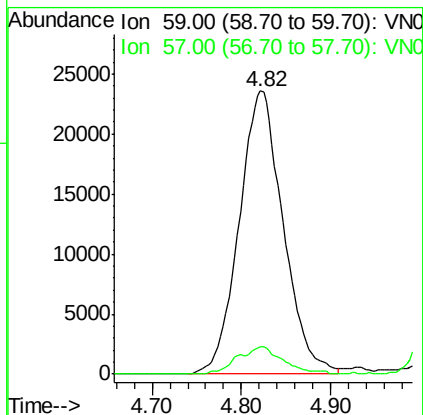
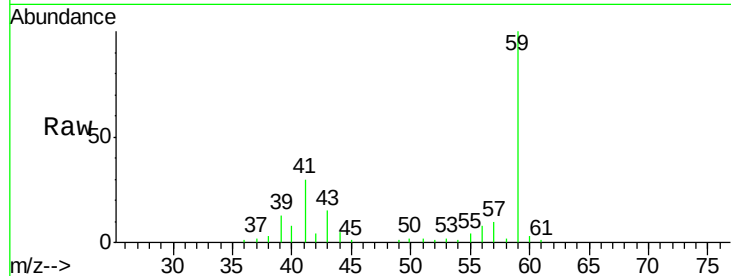
Tert butyl alcohol
 Concen: 248.625 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN041519

Tot Ion	Ratio	Resp	Lower	Upper
59	100	80989		
57	9.8		8.3	12.5

Manual Integrations
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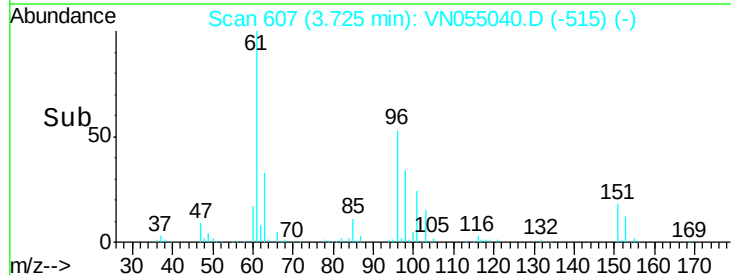
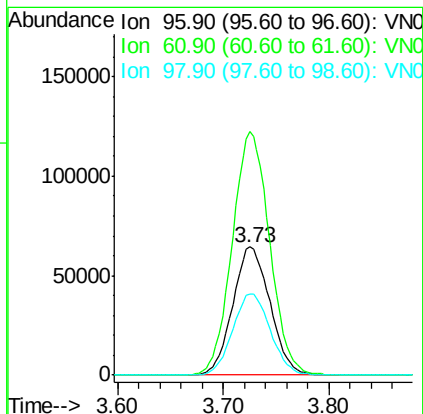
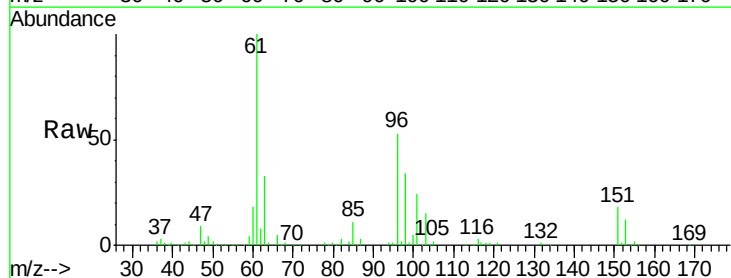
MMDadoda
 4/17/2019 1:49:17 PM

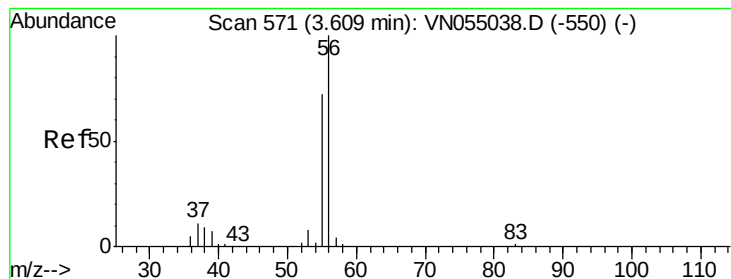


#12

1,1-Dichloroethene
 Concen: 44.546 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	158072		
61	189.4		154.2	231.4
98	63.7		52.9	79.3





#13

Acrolein

Concen: 221.469 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041519

Tot Ion: 56 Resp: 89173

Ion Ratio Lower Upper

56 100

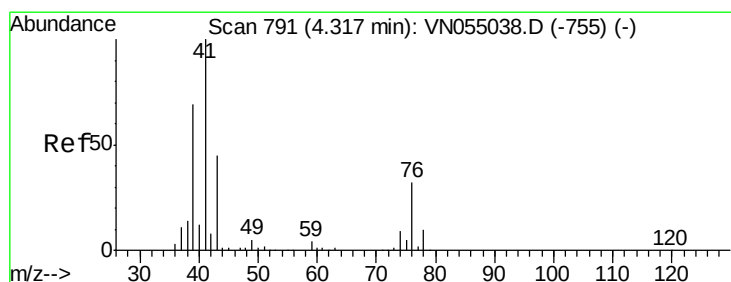
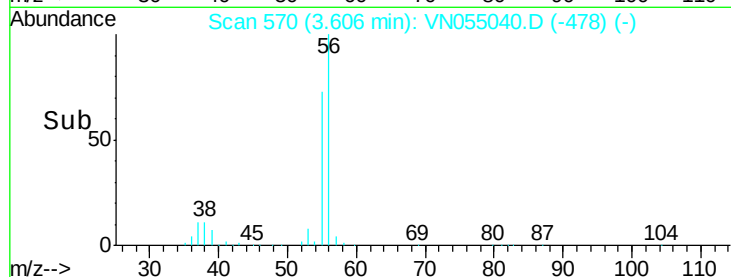
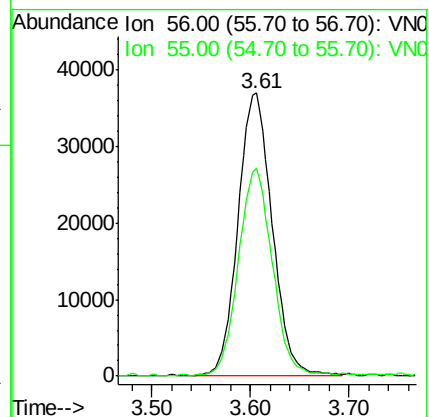
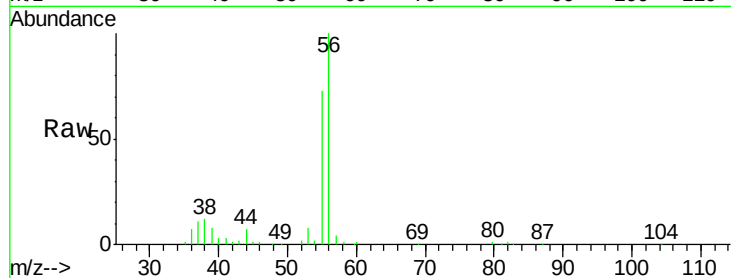
55 72.8 59.5 89.3

Manual Integrations

APPROVED

MMDadoda

4/17/2019 1:49:17 PM



#14

Allyl chloride

Concen: 48.689 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

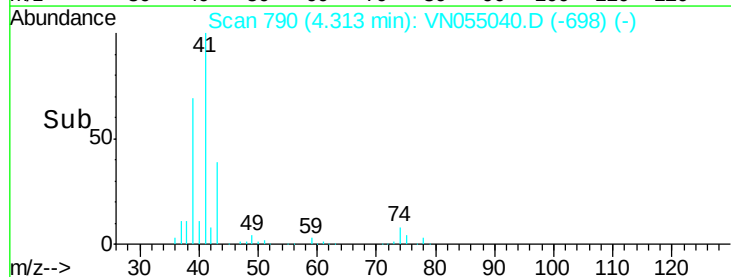
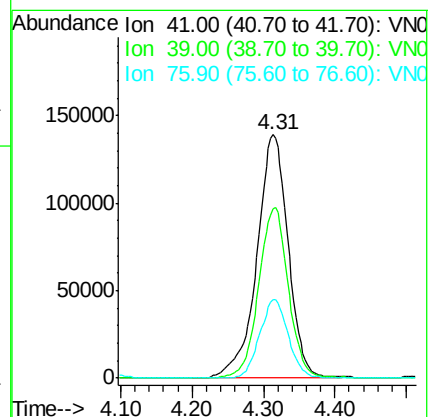
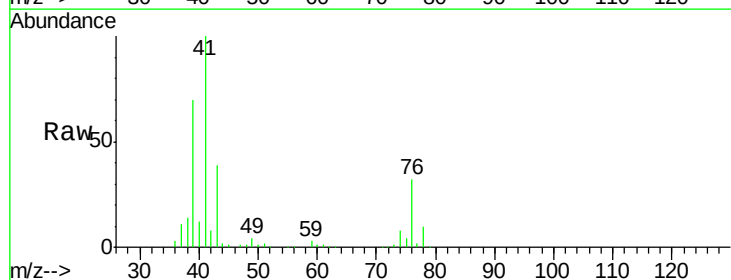
Tgt Ion: 41 Resp: 422911

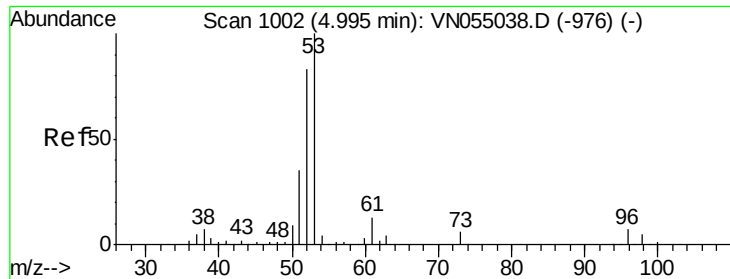
Ion Ratio Lower Upper

41 100

39 65.9 52.7 79.1

76 29.2 23.2 34.8





#15

Acrylonitrile

Concen: 248.103 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

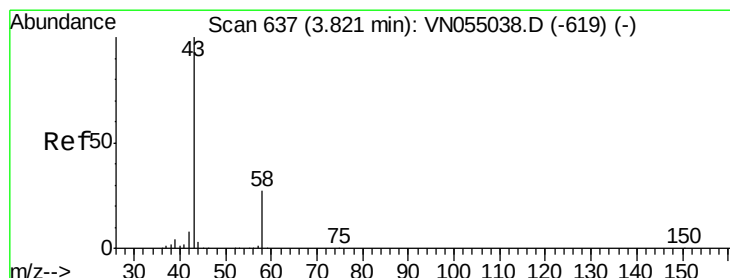
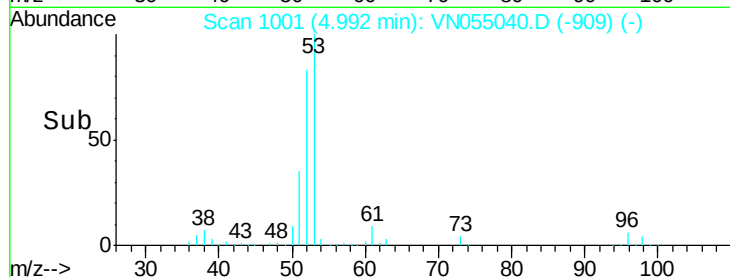
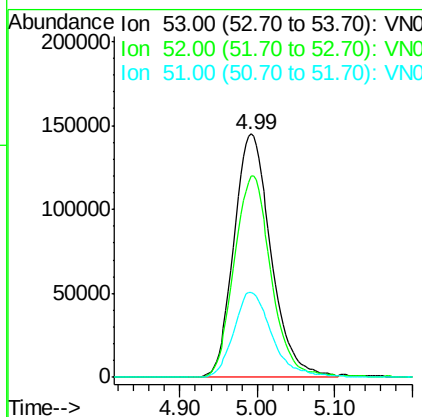
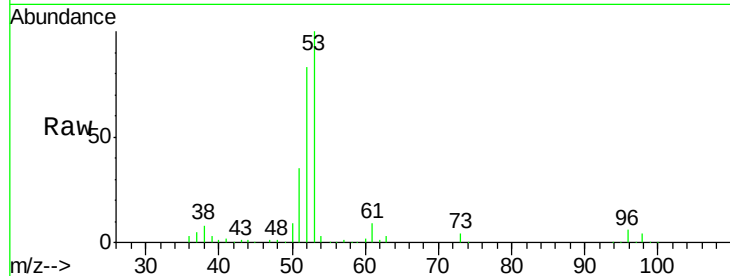
ClientSampleId :

ICVVN041519

Tot Ion:	53	Resp:	483541
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.9	98.9
51	36.1	29.7	44.5

Manual Integrations
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MMDadoda
4/17/2019 1:49:17 PM



#16

Acetone

Concen: 248.171 ug/l

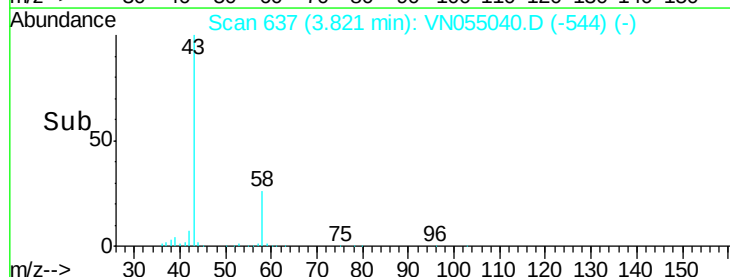
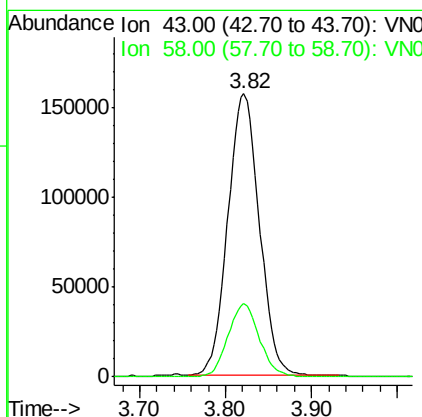
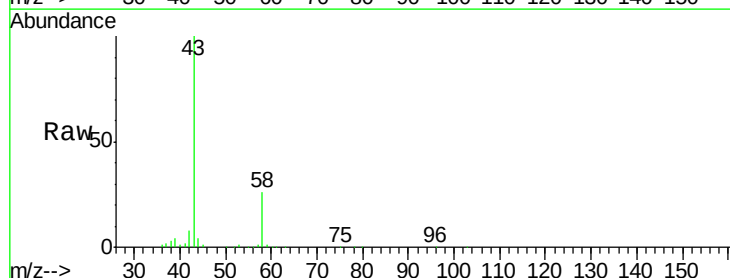
RT: 3.82 min Scan# 637

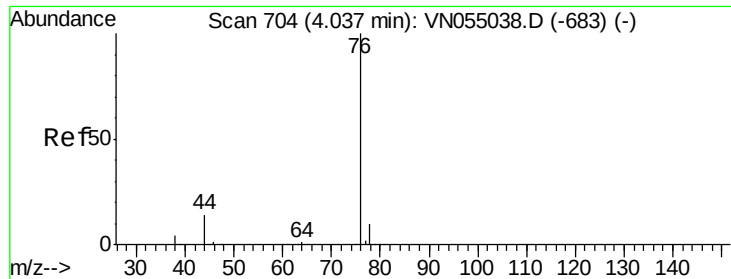
Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Tgt Ion:	43	Resp:	400299
Ion	Ratio	Lower	Upper
43	100		
58	25.7	20.9	31.3





#17

Carbon Disulfide

Concen: 48.223 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041519

Tot Ion: 76 Resp: 552385

Ion Ratio Lower Upper

76 100

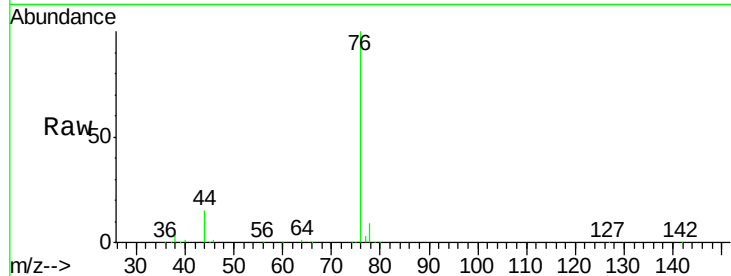
78 9.2 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN055038.D (-683) (-)

Ion 77.90 (77.60 to 78.60): VN055040.D (-611) (-)

4.04

200000

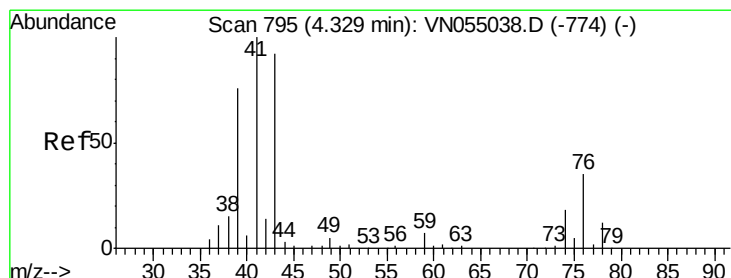
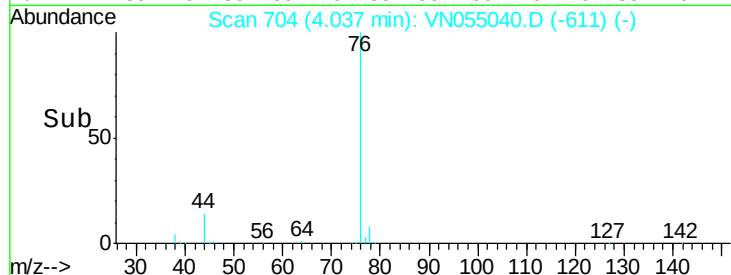
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.471 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN055040.D

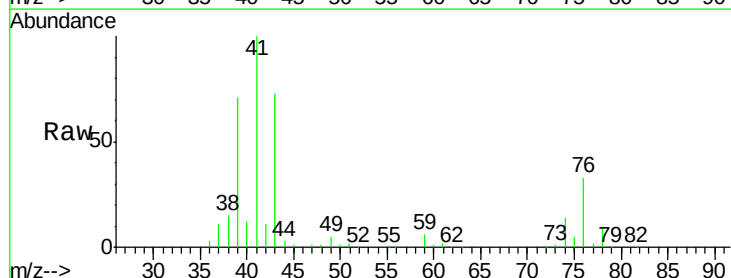
Acq: 15 Apr 2019 12:01

Tgt Ion: 43 Resp: 230005

Ion Ratio Lower Upper

43 100

74 19.9 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-774) (-)

Ion 74.00 (73.70 to 74.70): VN055040.D (-702) (-)

4.33

80000

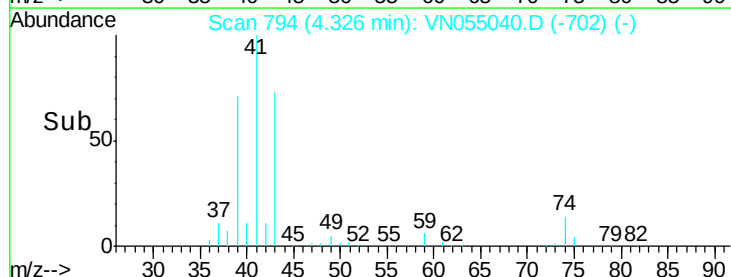
60000

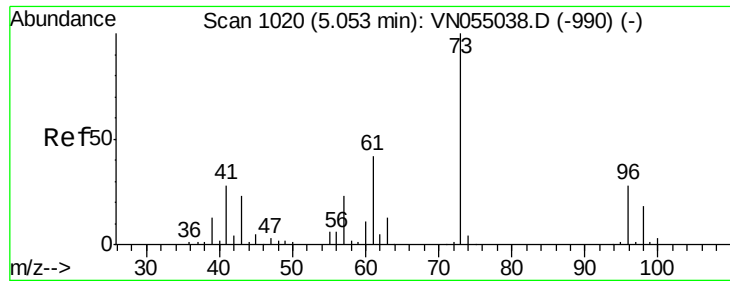
40000

20000

0

Time-->





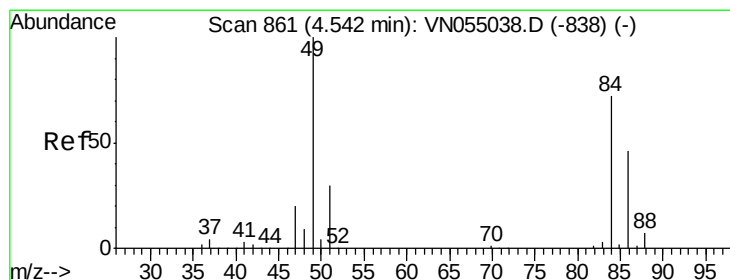
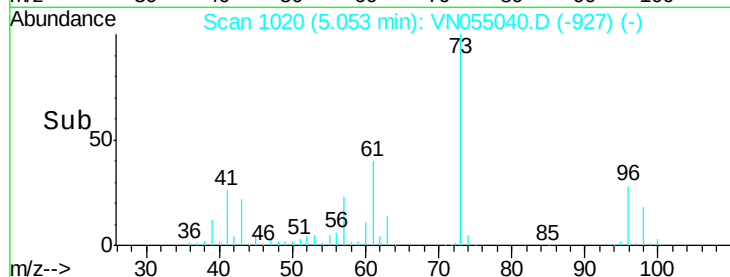
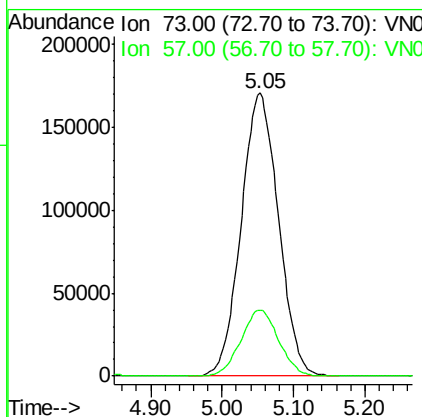
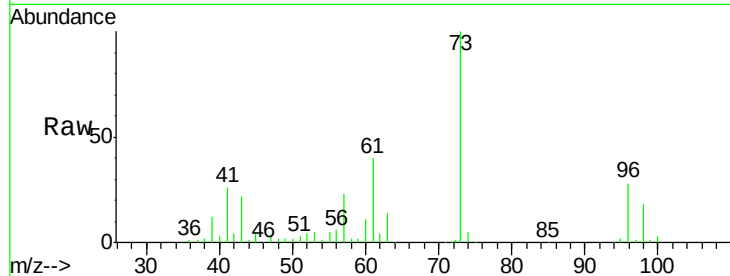
#19
Methvl tert-butvl Ether
Concen: 48.805 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041519

Tot Ion: 73 Resp: 619524
Ion Ratio Lower Upper
73 100
57 23.3 19.0 28.4

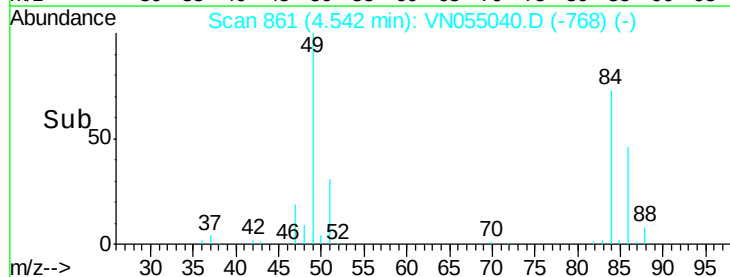
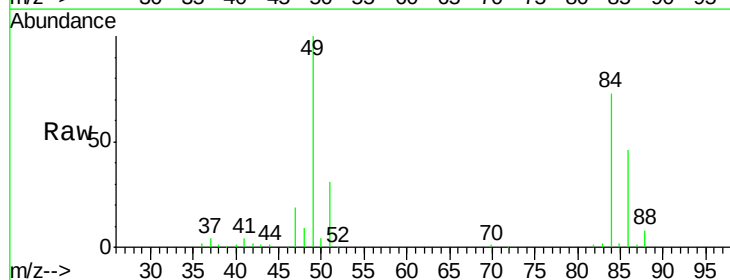
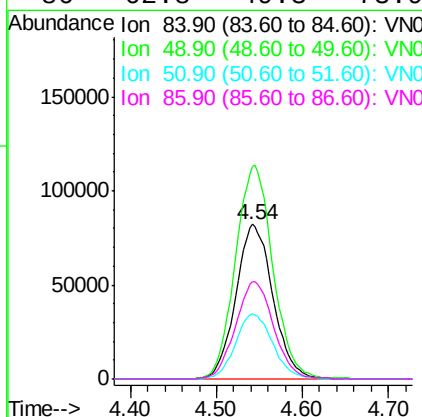
Manual Integrations
APPROVED

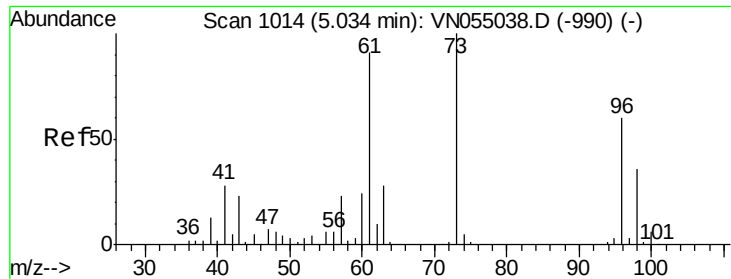
MMDadoda
4/17/2019 1:49:17 PM



#20
Methylene Chloride
Concen: 43.371 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion: 84 Resp: 245925
Ion Ratio Lower Upper
84 100
49 137.3 109.4 164.2
51 41.9 32.2 48.4
86 62.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 46.713 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

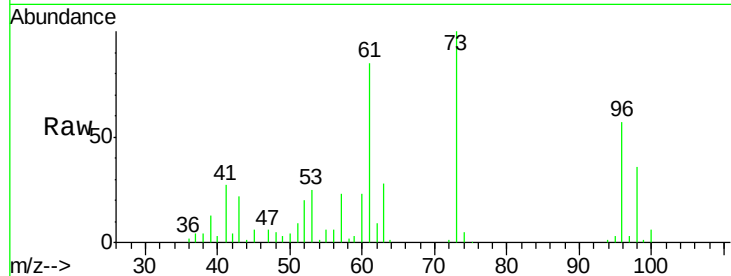
ClientSampleId :

ICVVN041519

Tot Ion:	96	Resp:	224194
Ion	Ratio	Lower	Upper
96	100		
61	150.7	114.9	172.3
98	64.2	48.4	72.6

Manual Integrations
APPROVED

MMDadoda
4/17/2019 1:49:17 PM

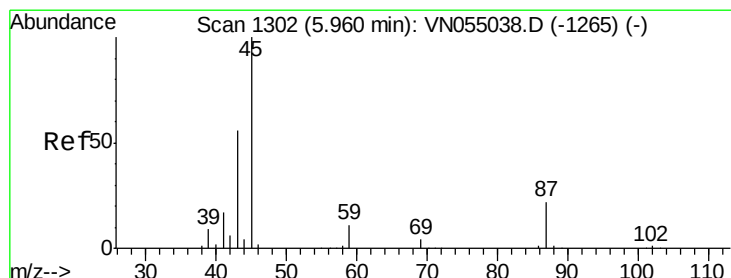
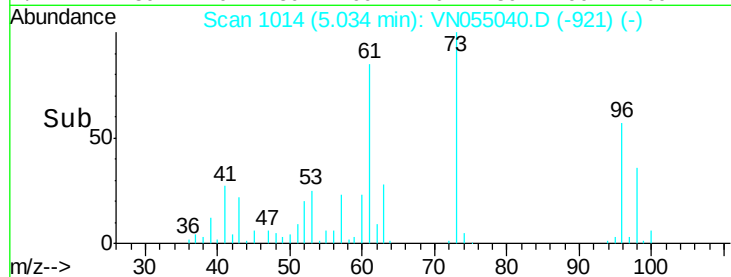
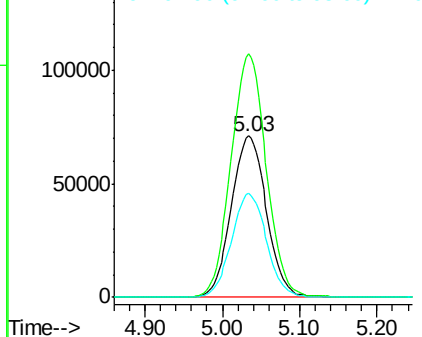


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 48.538 ug/l

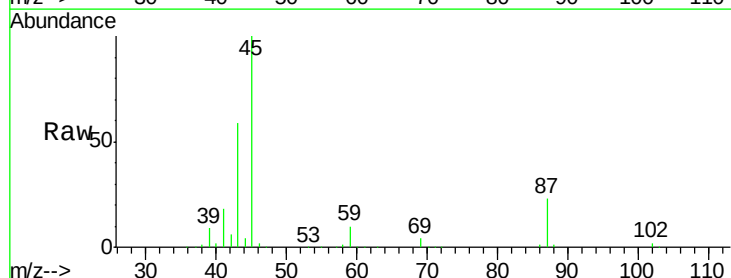
RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Tgt Ion:	45	Resp:	866693
Ion	Ratio	Lower	Upper
45	100		
43	57.6	44.8	67.2
87	22.7	18.9	28.3
59	10.3	7.9	11.9



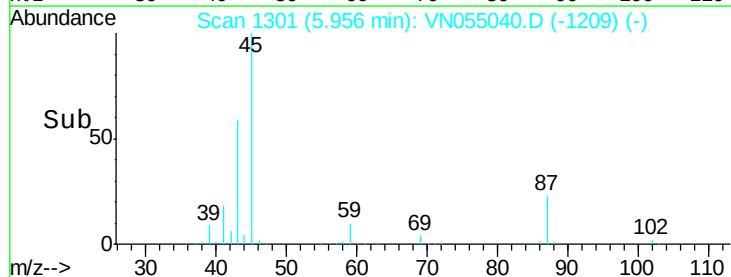
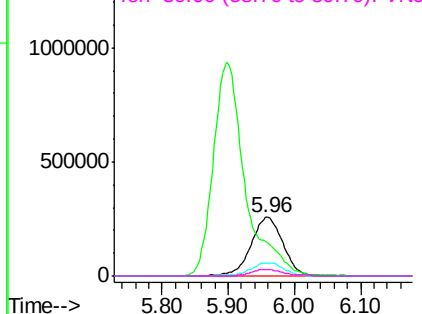
Abundance

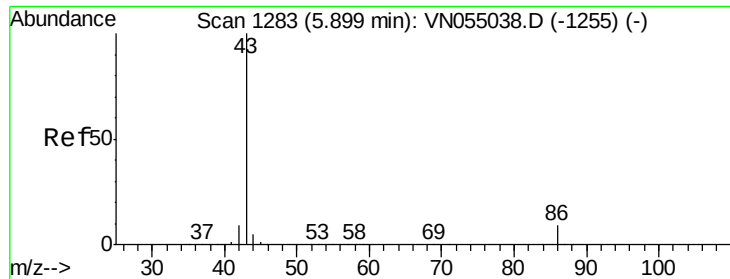
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





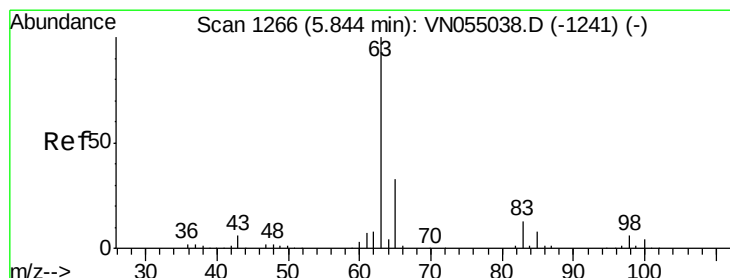
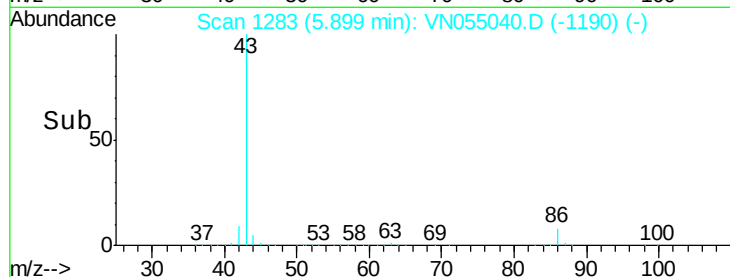
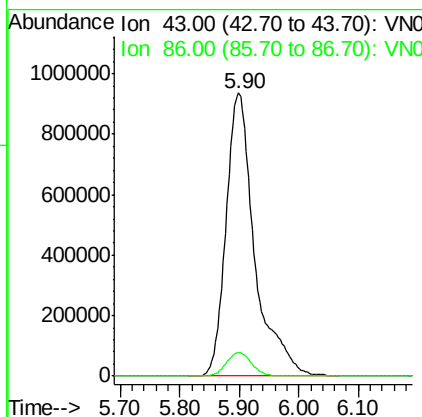
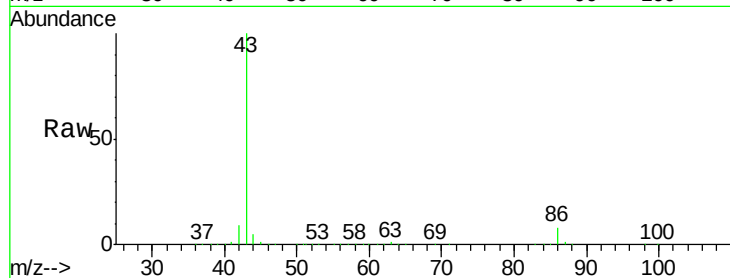
#23
 Vinyl Acetate
 Concen: 265.384 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041519

Tot Ion: 43 Resp: 3132189
 Ion Ratio Lower Upper
 43 100
 86 8.4 7.0 10.4

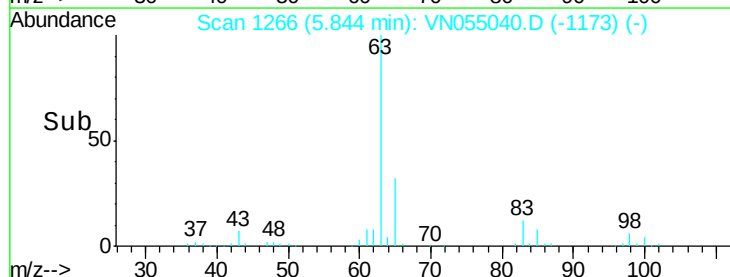
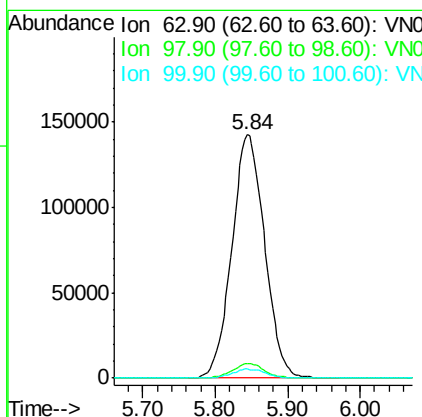
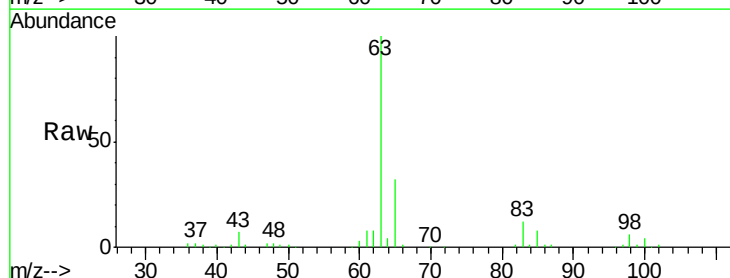
Manual Integrations
 APPROVED

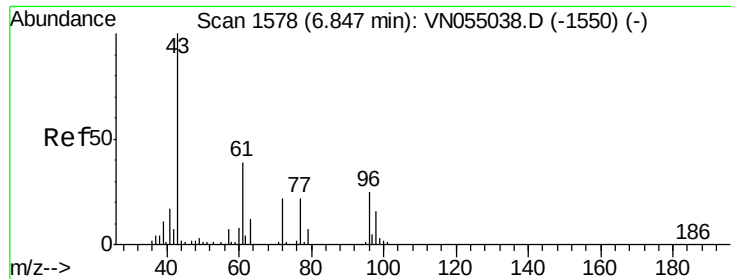
MMDadoda
 4/17/2019 1:49:17 PM



#24
 1,1-Dichloroethane
 Concen: 47.033 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Tgt Ion: 63 Resp: 447223
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.6 2.0 5.8





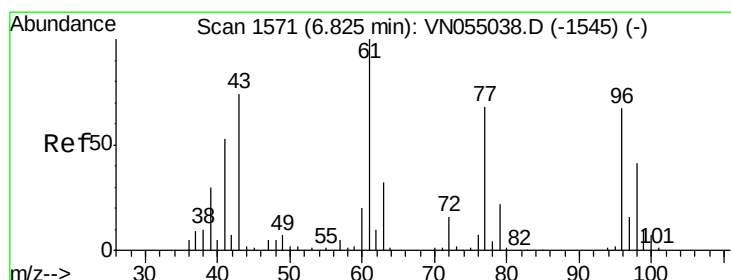
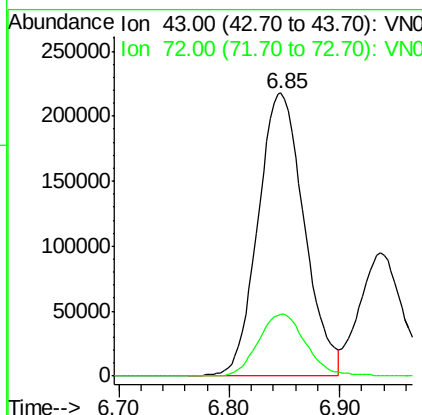
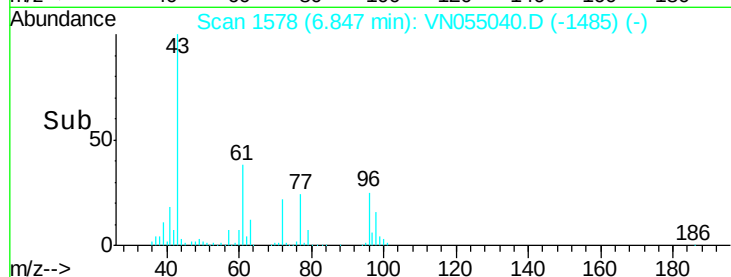
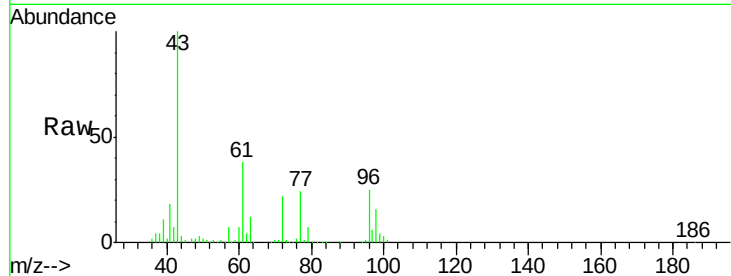
#25
2-Butanone
Concen: 261.532 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampled :
ICVVN041519

Tot Ion: 43 Resp: 629605
Ion Ratio Lower Upper
43 100
72 22.1 18.1 27.1

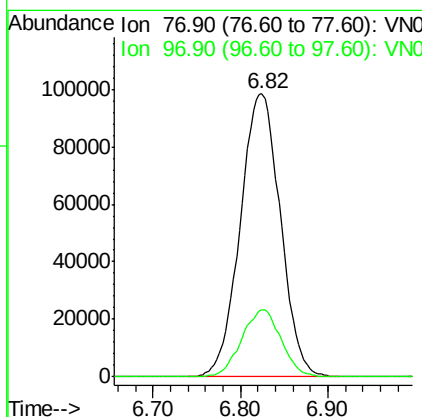
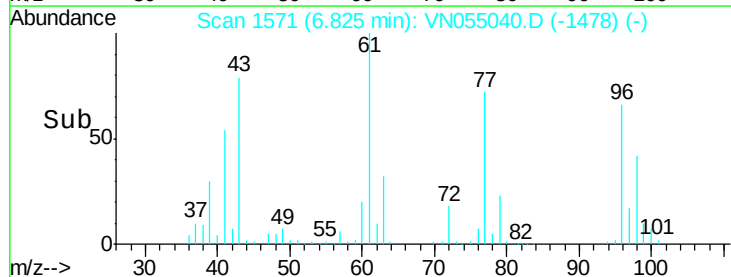
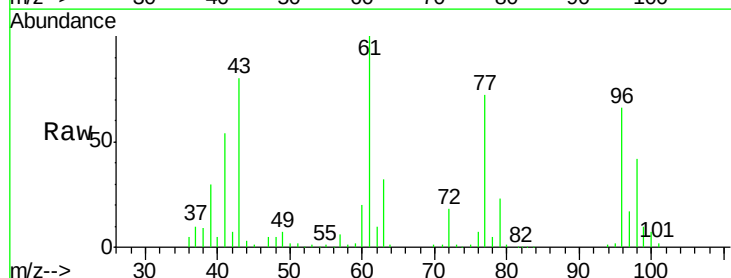
Manual Integrations
APPROVED

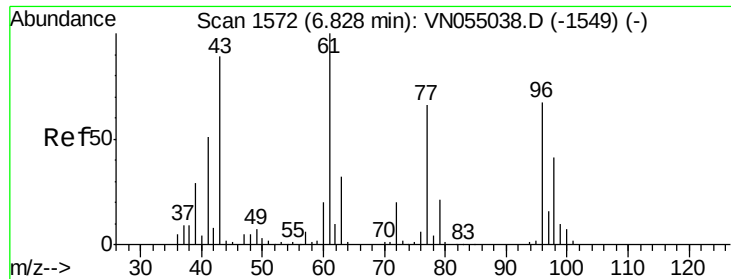
MMDadoda
4/17/2019 1:49:17 PM



#26
2,2-Dichloropropane
Concen: 52.218 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion: 77 Resp: 313387
Ion Ratio Lower Upper
77 100
97 23.3 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 47.733 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

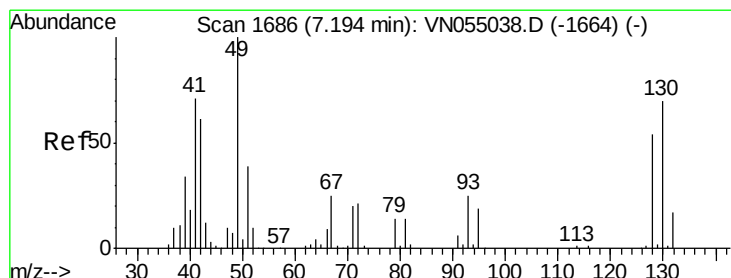
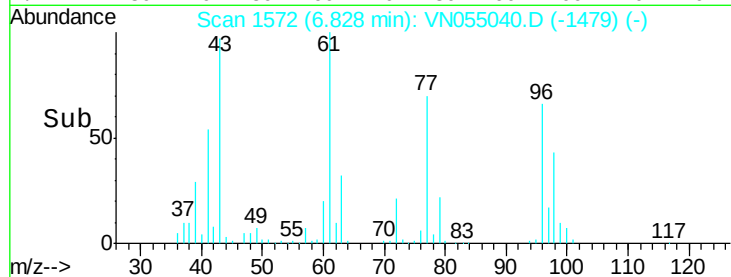
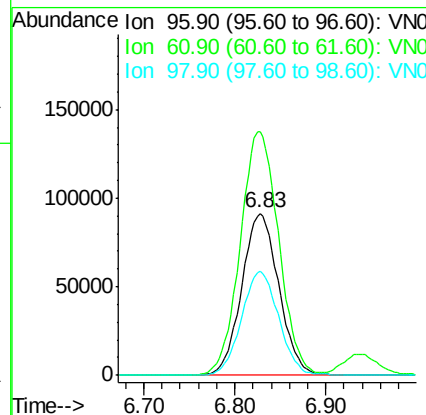
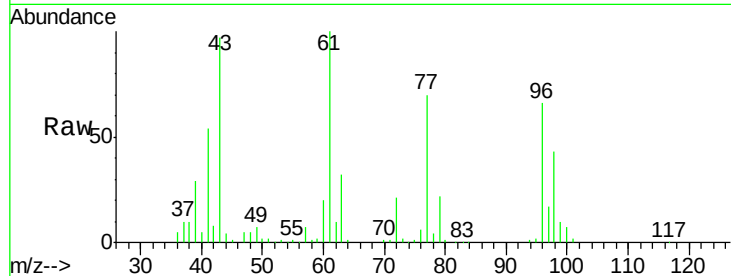
ClientSampleId :

ICVVN041519

Tot Ion:	96	Resp:	259177
Ion Ratio	Lower	Upper	
96	100		
61	155.4	0.0	311.0
98	64.3	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
4/17/2019 1:49:17 PM



#28

Bromochloromethane

Concen: 48.126 ug/l

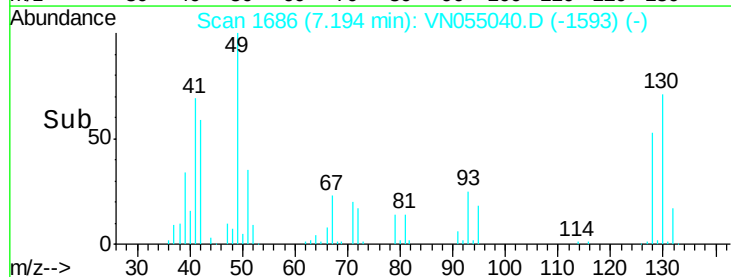
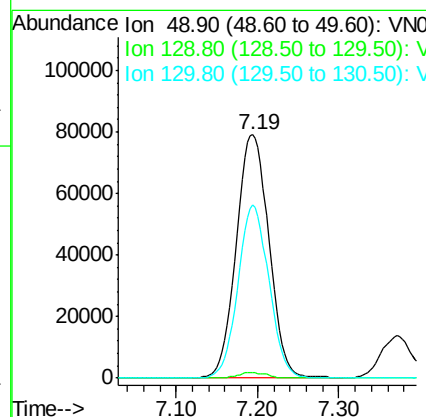
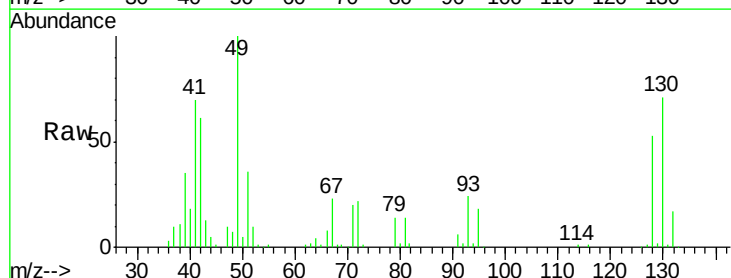
RT: 7.19 min Scan# 1686

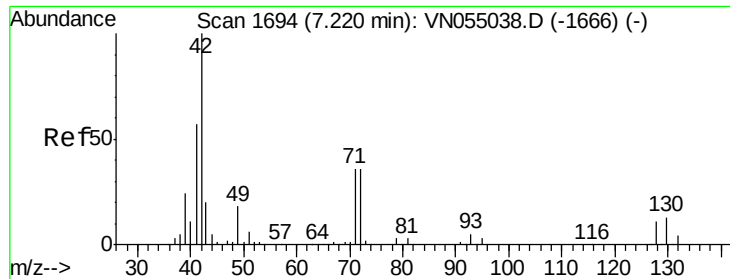
Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Tgt Ion:	49	Resp:	220594
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	2.0#
130	67.3	53.4	80.2





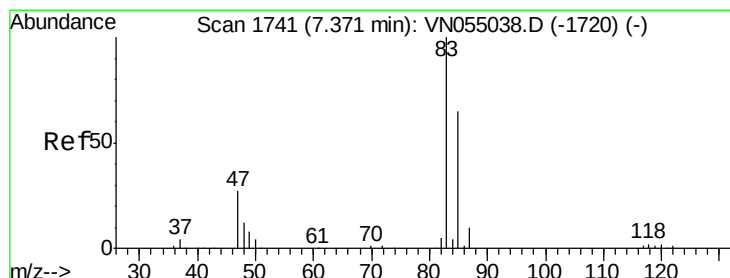
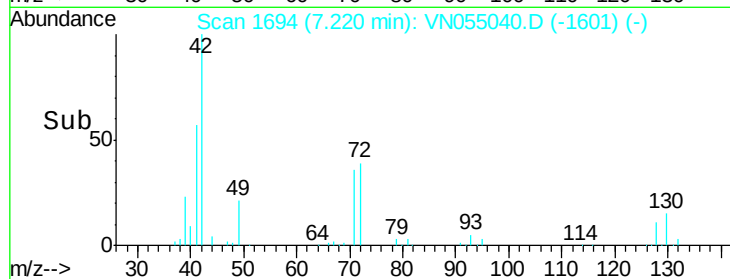
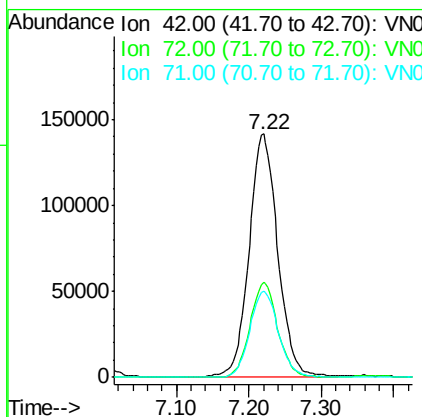
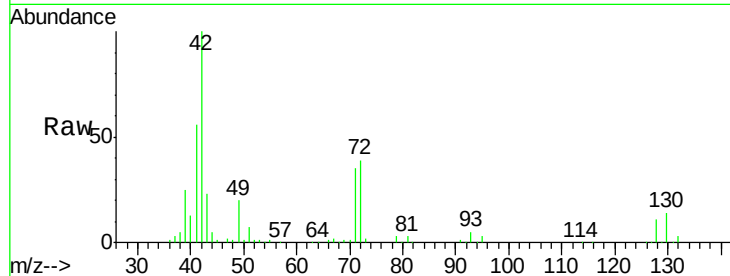
#29
Tetrahydrofuran
Concen: 245.791 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041519

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	29.4	44.0
71	35.4	27.8	41.6

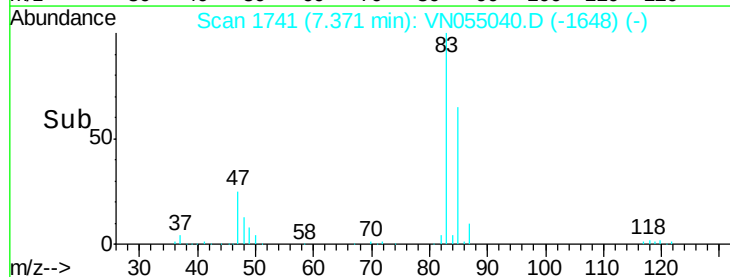
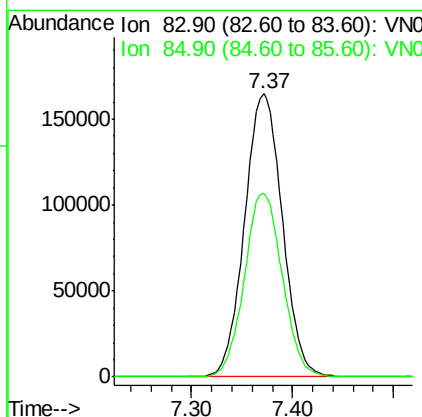
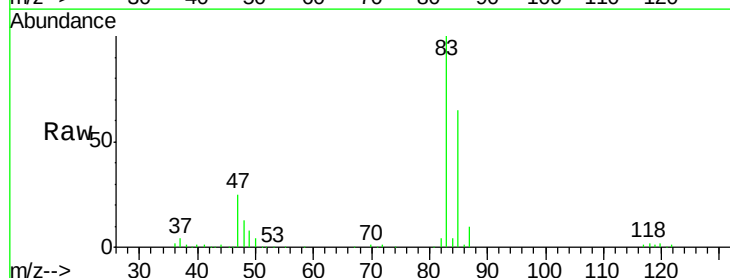
Manual Integrations
APPROVED

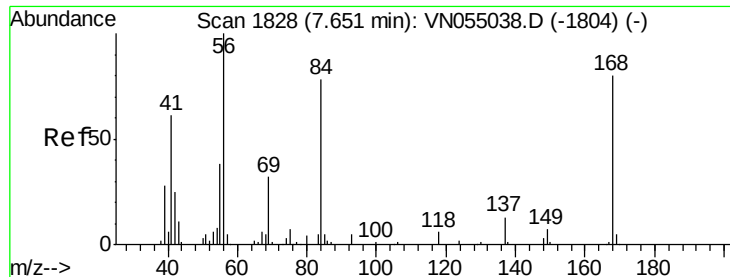
MMDadoda
4/17/2019 1:49:17 PM



#30
Chloroform
Concen: 46.288 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





#31

Cyclohexane

Concen: 49.519 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041519

Tot Ion: 56 Resp: 416389

Ion Ratio Lower Upper

56 100

69 32.2 24.5 36.7

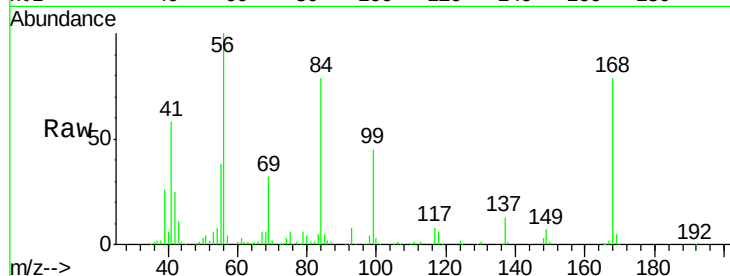
84 77.7 62.9 94.3

Manual Integrations

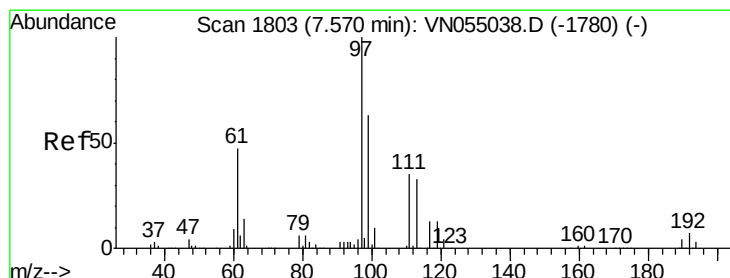
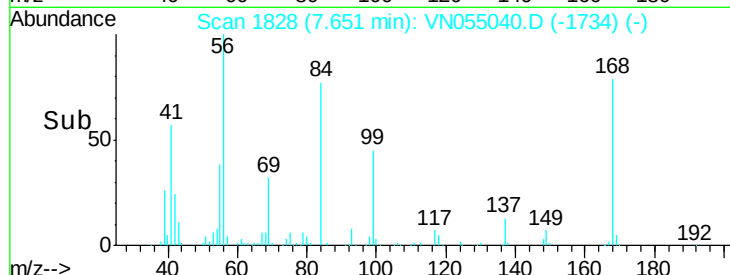
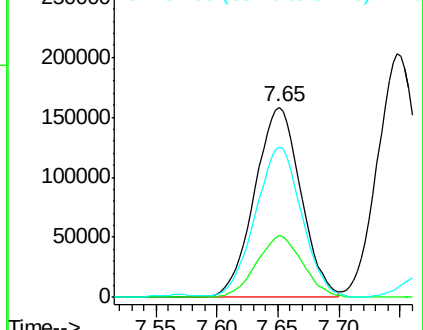
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 47.789 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

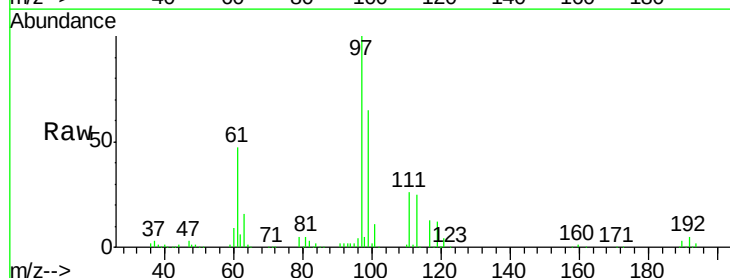
Tgt Ion: 97 Resp: 349703

Ion Ratio Lower Upper

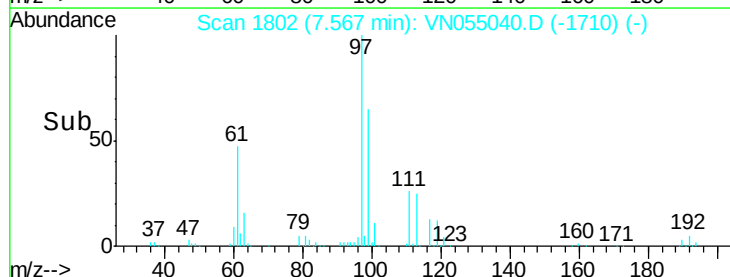
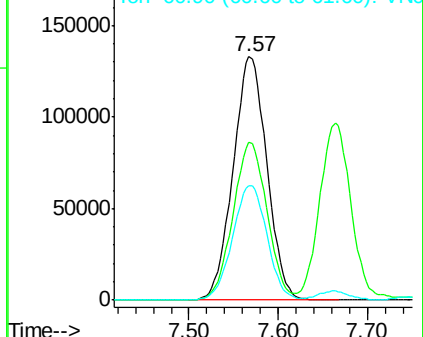
97 100

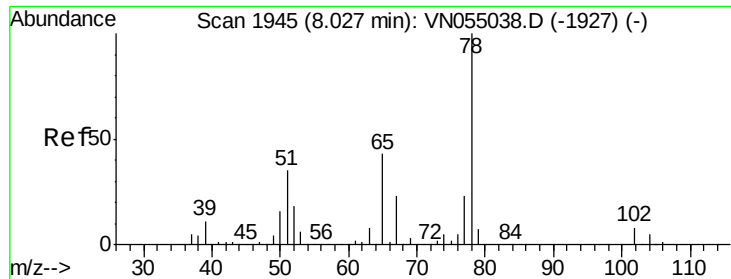
99 65.3 51.6 77.4

61 48.0 38.3 57.5



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





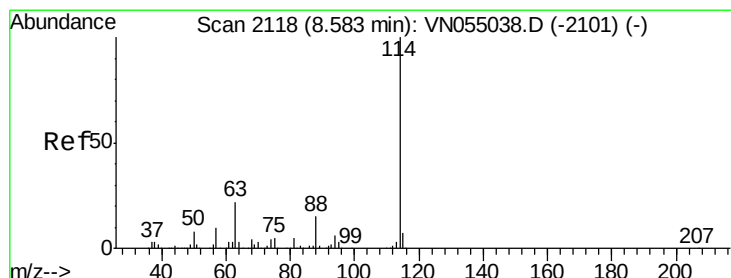
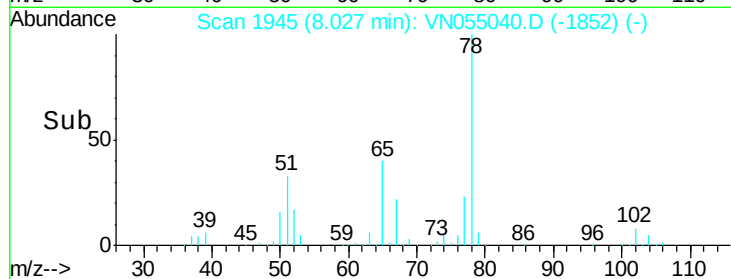
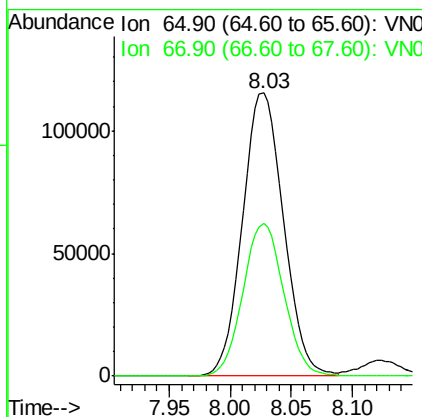
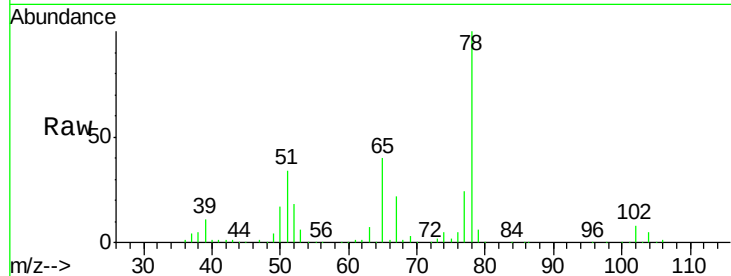
#33
 1,2-Dichloroethane-d4
 Concen: 45.262 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041519

Tot Ion	Ratio	Resp	Lower	Upper
65	100	268983		
67	53.7	0.0	106.4	

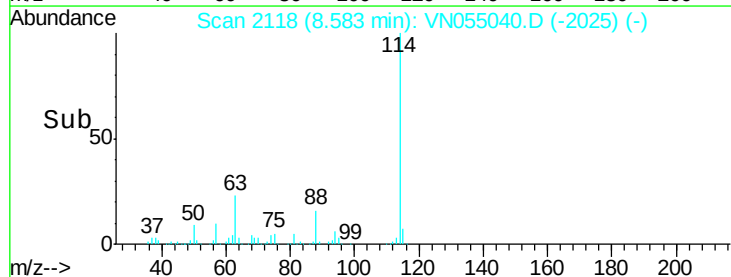
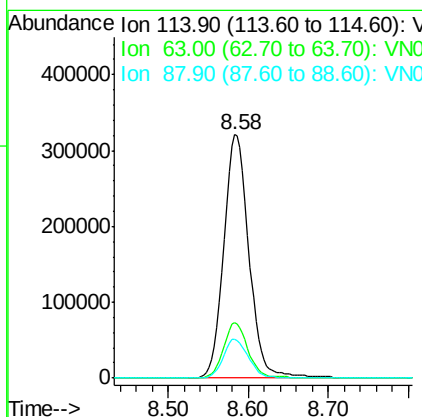
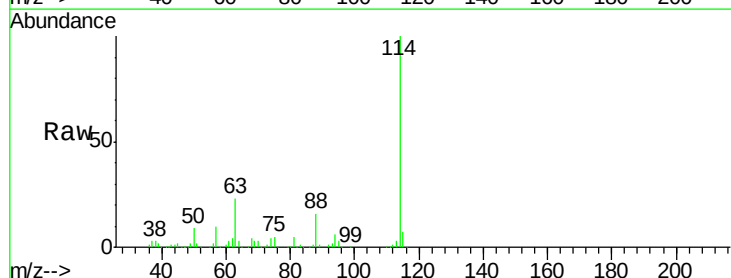
Manual Integrations
 APPROVED

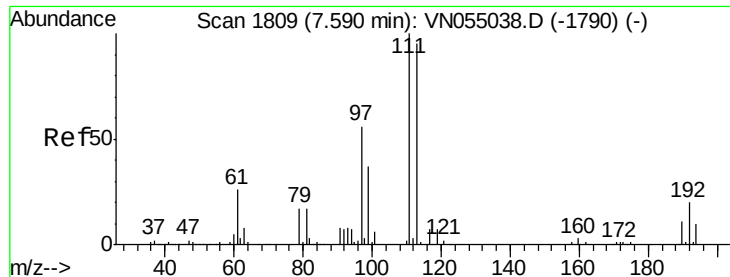
MMDadoda
 4/17/2019 1:49:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	695192		
63	22.8	0.0	45.2	
88	16.1	0.0	31.8	





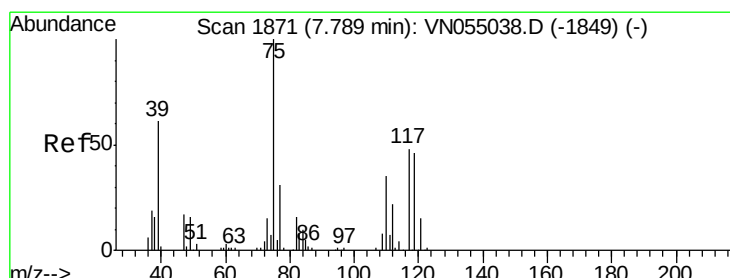
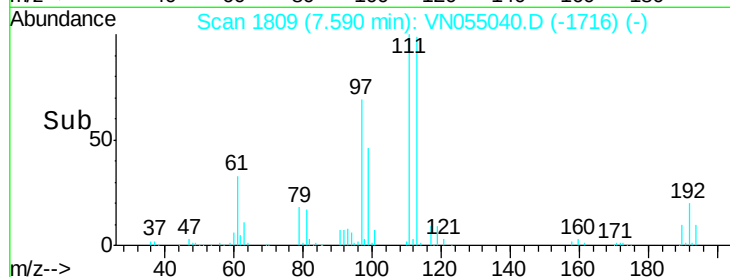
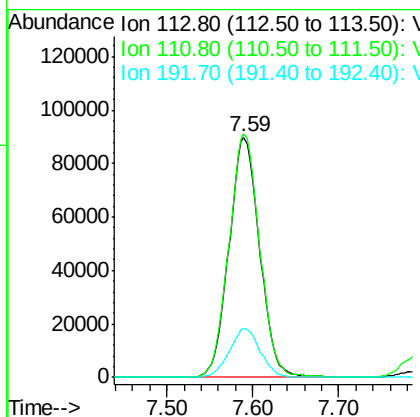
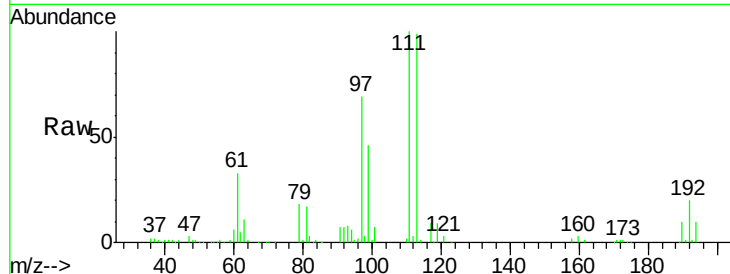
#35
 Dibromofluoromethane
 Concen: 47.774 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041519

Tot Ion	Ratio	Resp	Lower	Upper
113	100	221958		
111	101.9	82.1	123.1	
192	20.5	16.5	24.7	

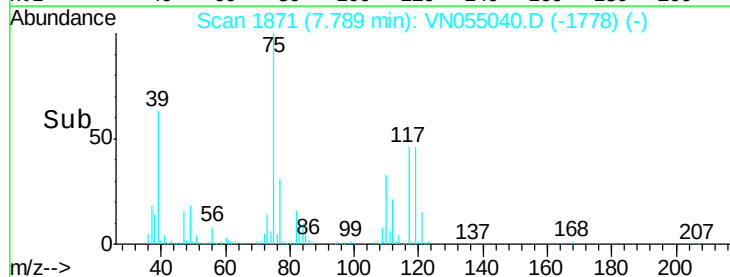
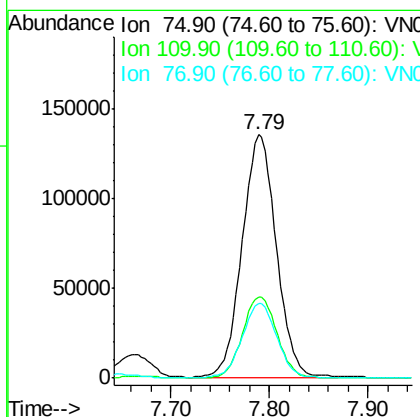
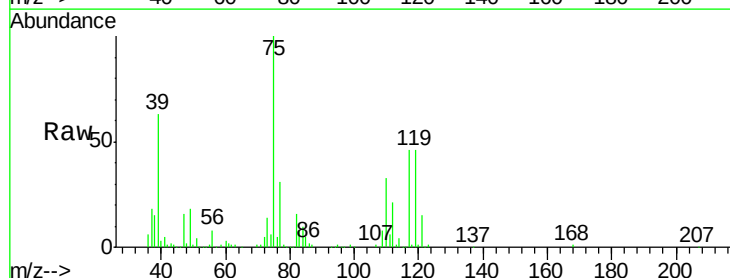
Manual Integrations
 APPROVED

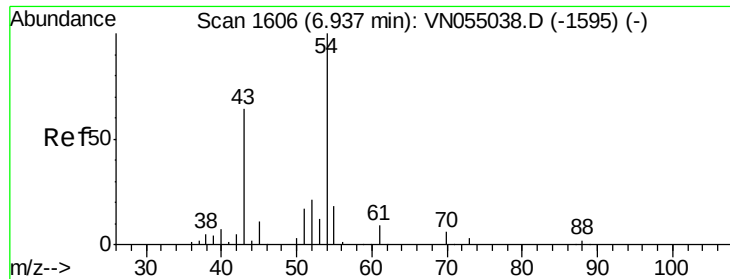
MMDadoda
 4/17/2019 1:49:17 PM



#36
 1,1-Dichloropropene
 Concen: 49.420 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	323872		
110	33.9	17.5	52.5	
77	31.4	24.9	37.3	





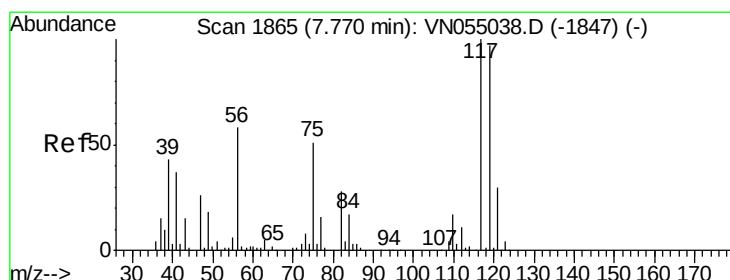
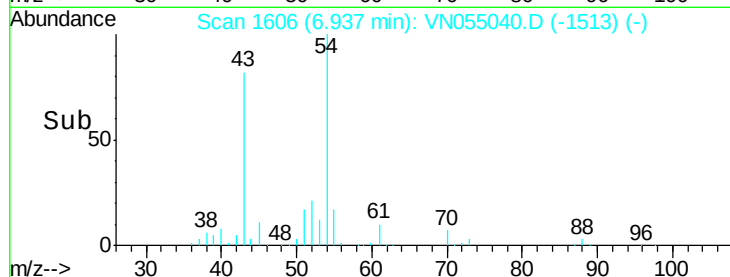
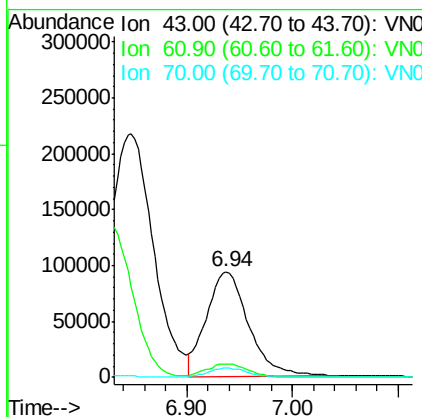
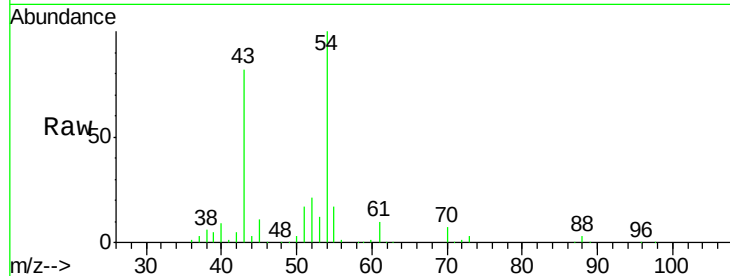
#37
Ethyl Acetate
Concen: 48.745 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041519

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.0	15.0
70	8.5	7.1	10.7

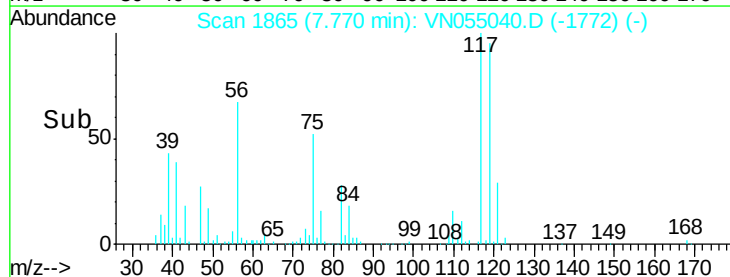
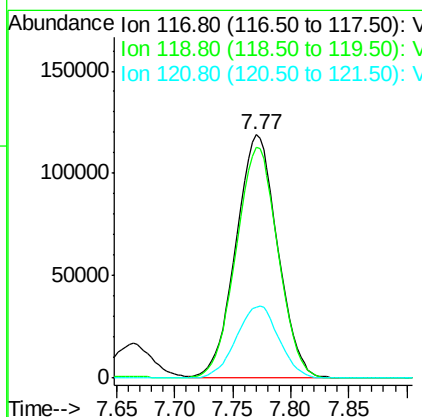
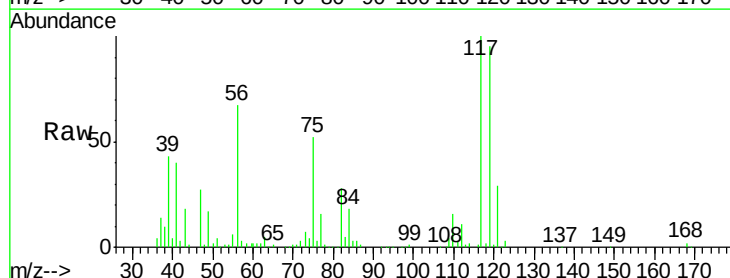
Manual Integrations
APPROVED

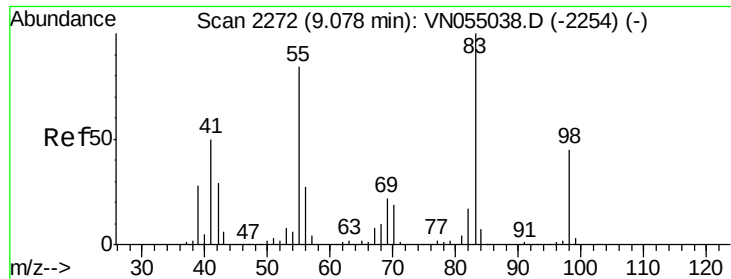
MMDadoda
4/17/2019 1:49:17 PM



#38
Carbon Tetrachloride
Concen: 47.503 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.3	114.5
121	29.4	23.9	35.9





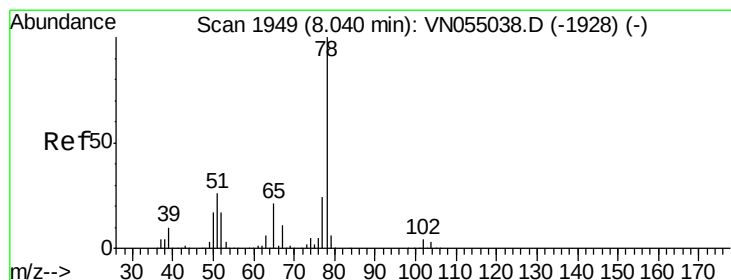
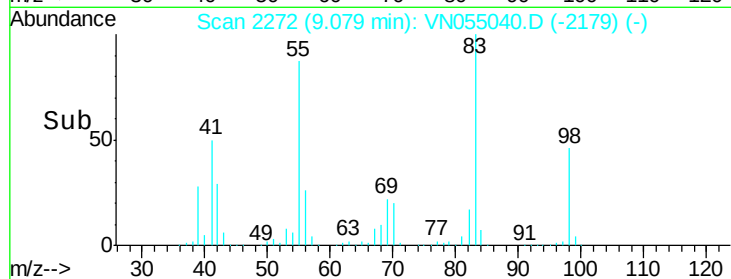
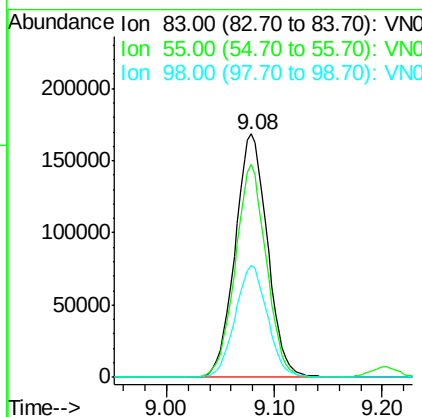
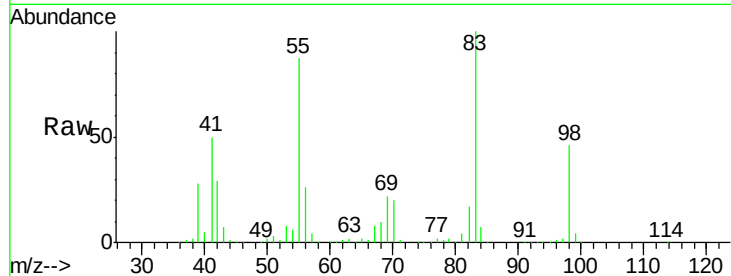
#39
Methylvlcyclohexane
Concen: 49.482 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041519

Tot Ion	83	Resp	351401
Ion Ratio	Lower	Upper	
83	100		
55	87.2	67.0	100.4
98	45.7	35.6	53.4

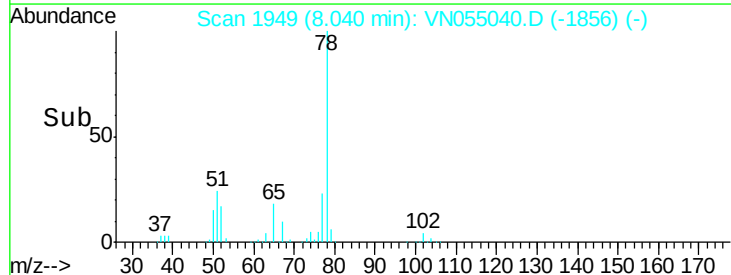
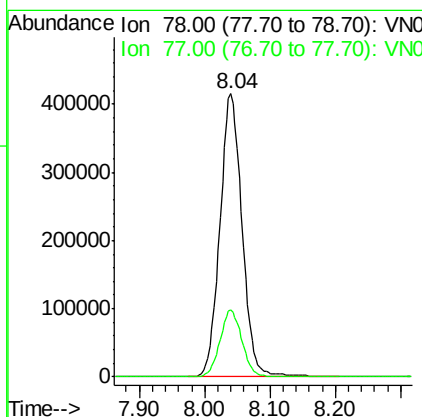
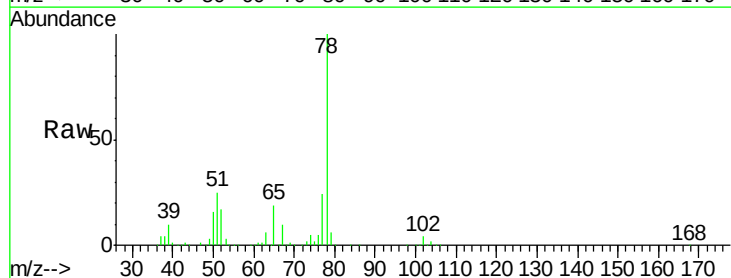
Manual Integrations
APPROVED

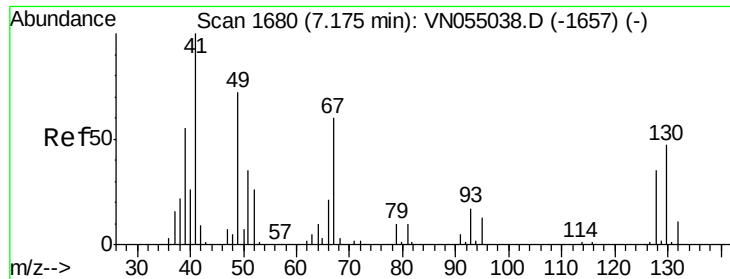
MMDadoda
4/17/2019 1:49:17 PM



#40
Benzene
Concen: 49.556 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion	78	Resp	978793
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.8	28.2





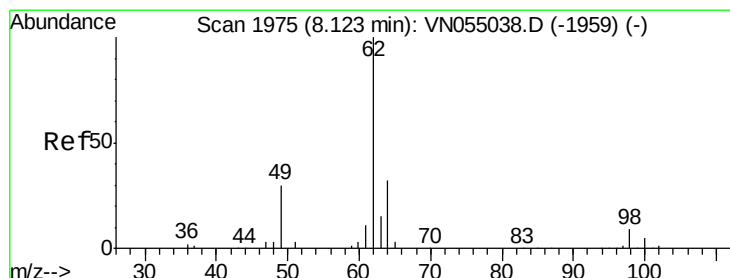
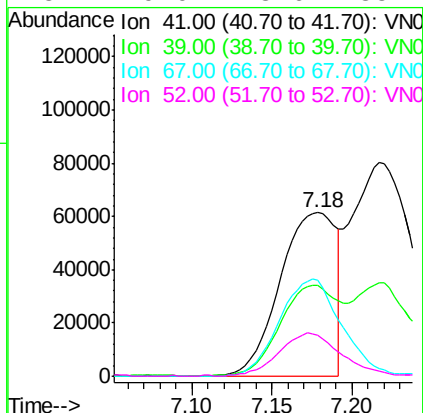
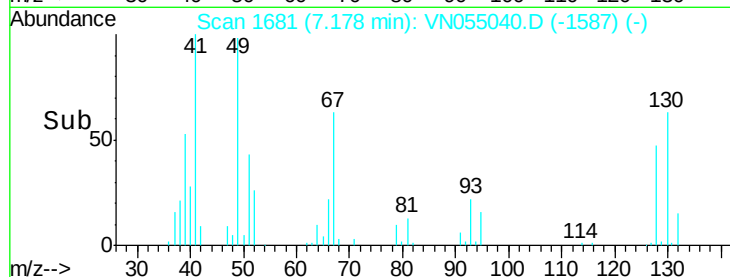
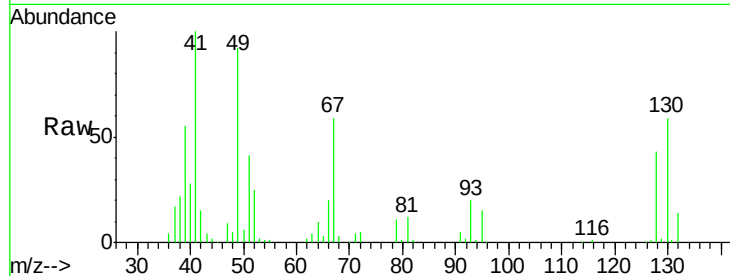
#41
Methacrylonitrile
Concen: 50.701 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041519

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		150156		
39	56.9	45.6	68.4		
67	66.2	57.0	85.6		
52	29.0	23.6	35.4		

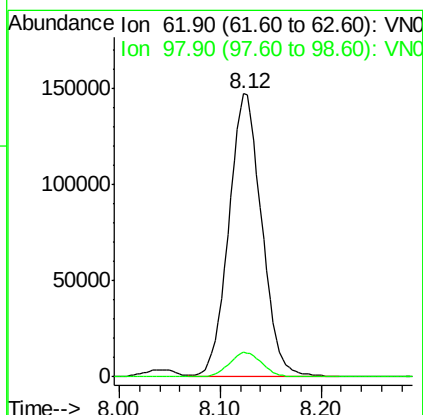
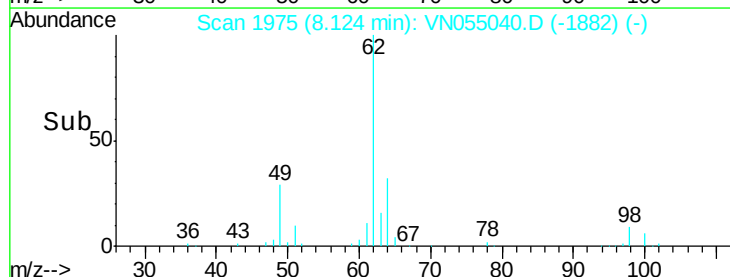
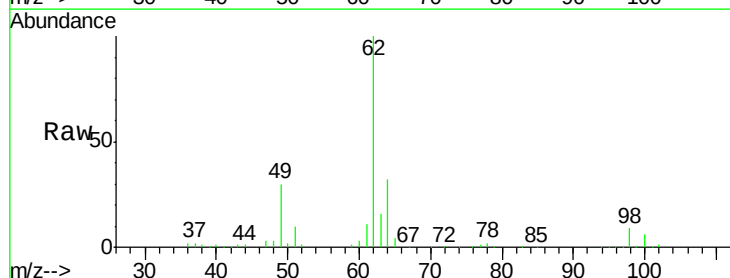
Manual Integrations
APPROVED

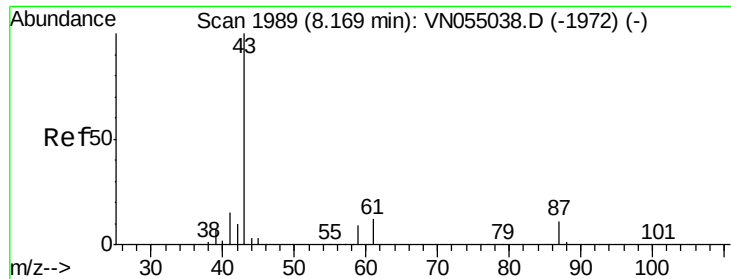
MMDadoda
4/17/2019 1:49:17 PM



#42
1,2-Dichloroethane
Concen: 48.546 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		332906		
98	8.7	0.0	17.4		





#43

Isopropyl Acetate

Concen: 52.936 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

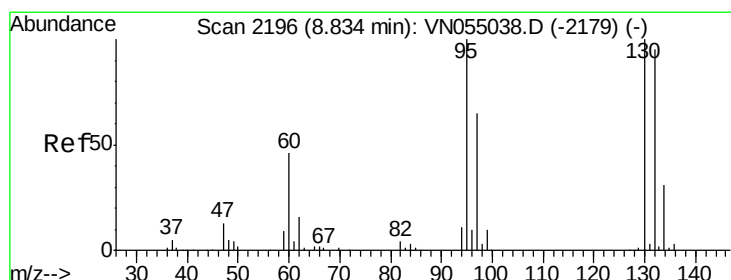
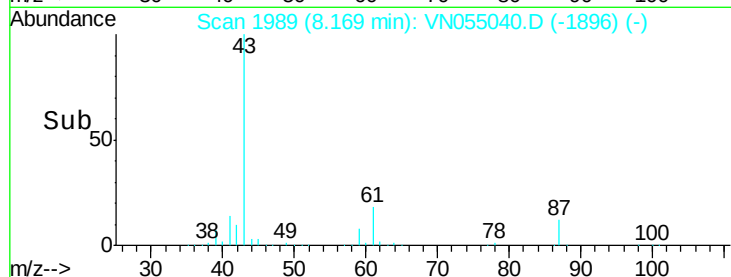
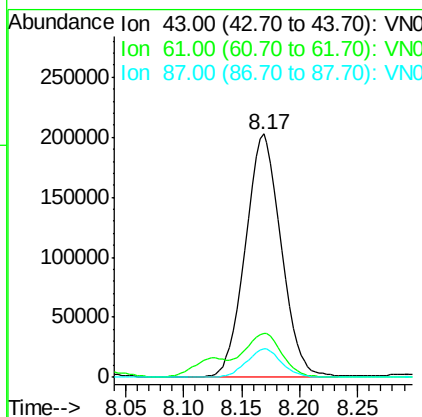
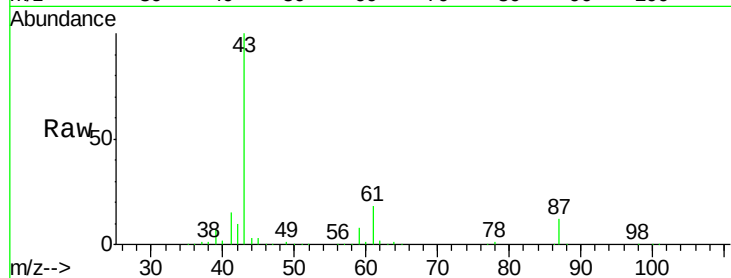
ClientSampleId :

ICVVN041519

Tot Ion:	43	Resp:	435189
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.3	21.5
87	11.5	8.6	13.0

Manual Integrations
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MMDadoda
4/17/2019 1:49:17 PM



#44

Trichloroethene

Concen: 49.706 ug/l

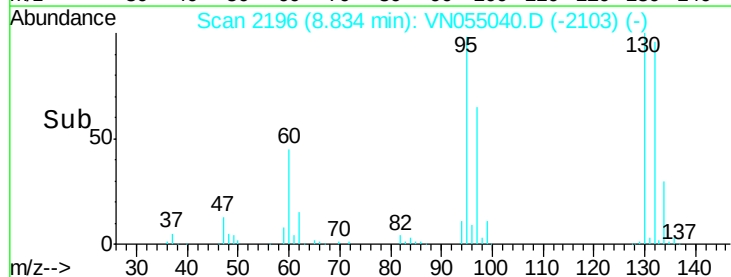
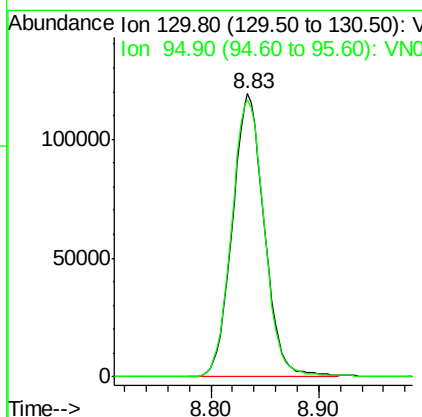
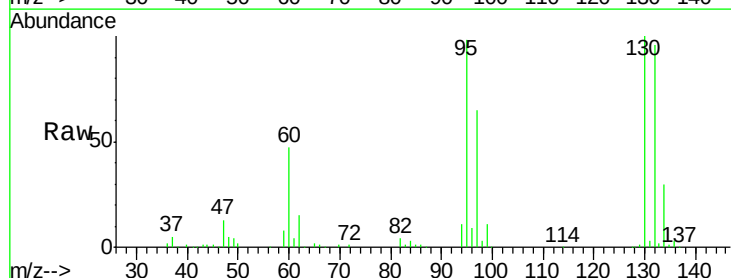
RT: 8.83 min Scan# 2196

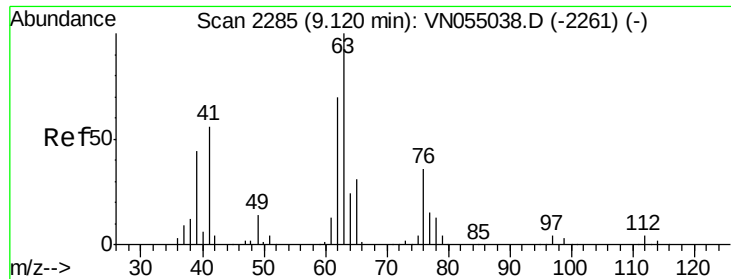
Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Tgt Ion:	130	Resp:	245908
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	201.6





#45

1,2-Dichloropropane

Concen: 49.473 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

ClientSampled :

ICVVN041519

Tot Ion: 63 Resp: 272513

Ion Ratio Lower Upper

63 100

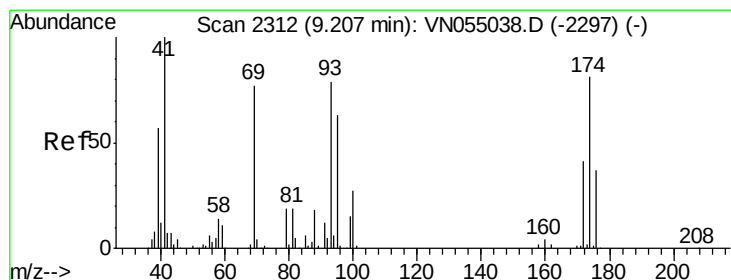
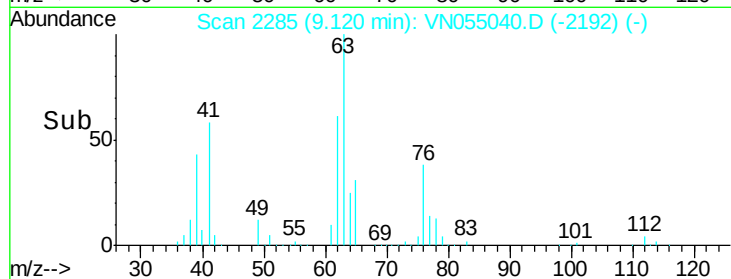
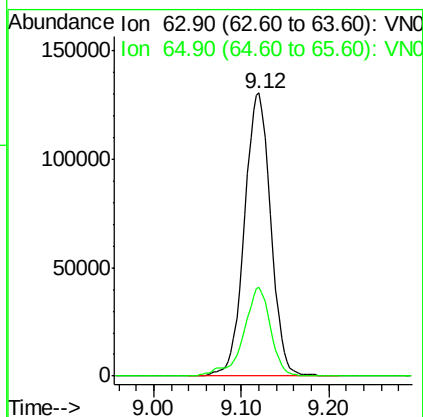
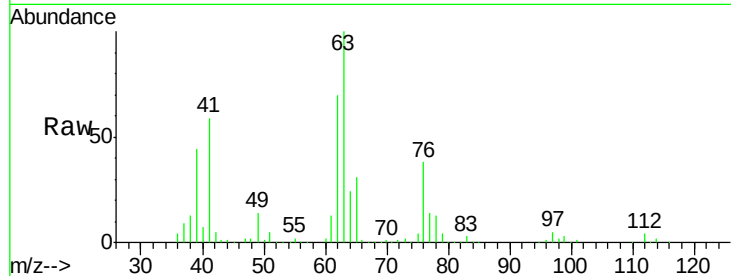
65 31.4 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

4/17/2019 1:49:17 PM



#46

Dibromomethane

Concen: 49.080 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

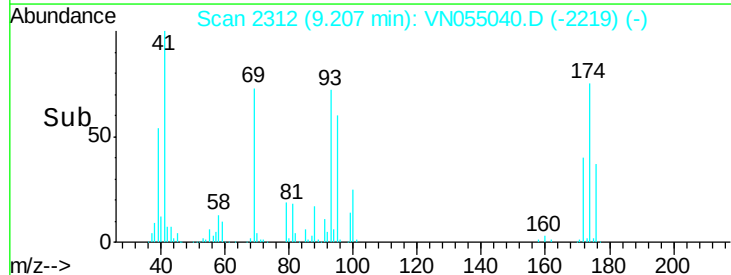
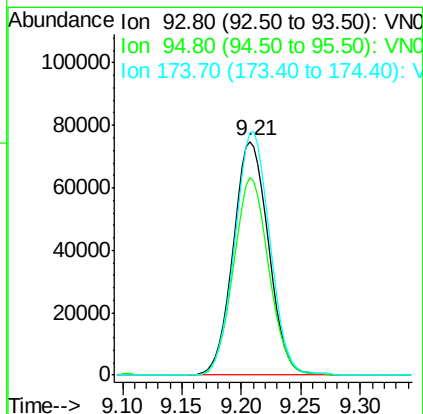
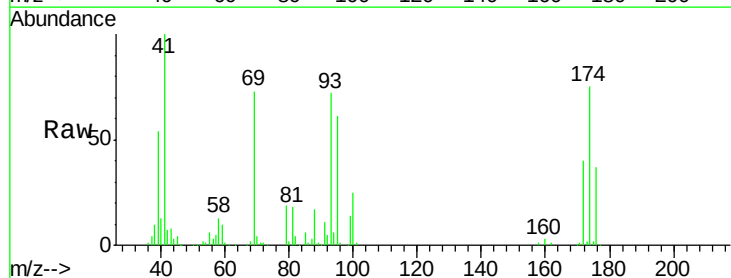
Tgt Ion: 93 Resp: 153881

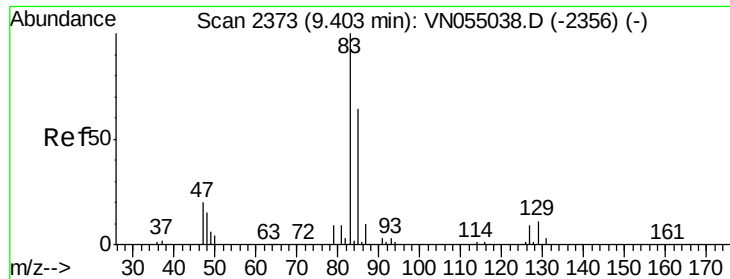
Ion Ratio Lower Upper

93 100

95 84.4 65.0 97.6

174 103.6 81.0 121.6





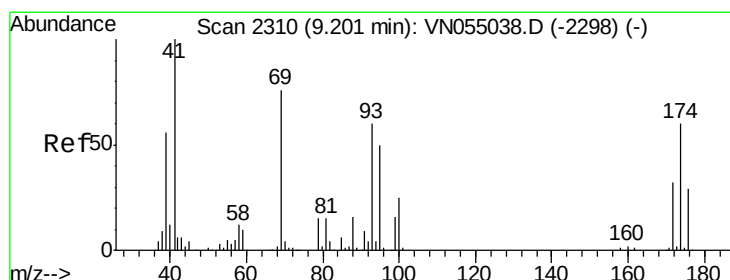
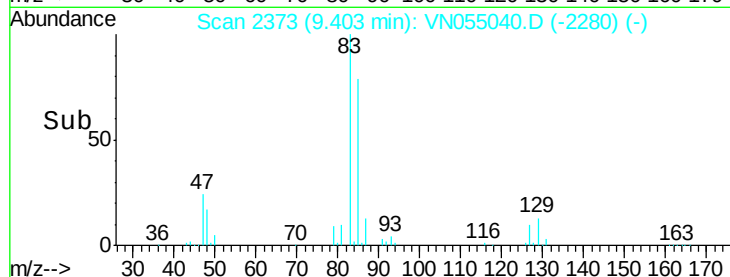
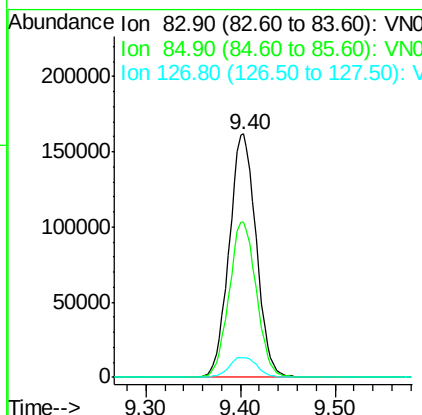
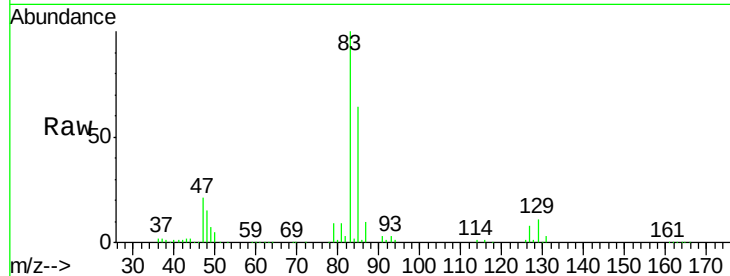
#47
Bromodichloromethane
Concen: 49.608 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041519

Tot Ion	83	Resp	320669
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	51.2	76.8
127	8.3	6.8	10.2

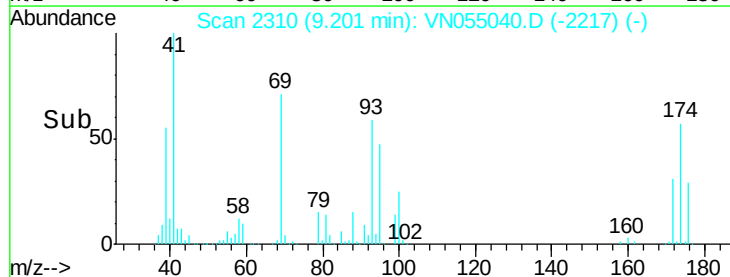
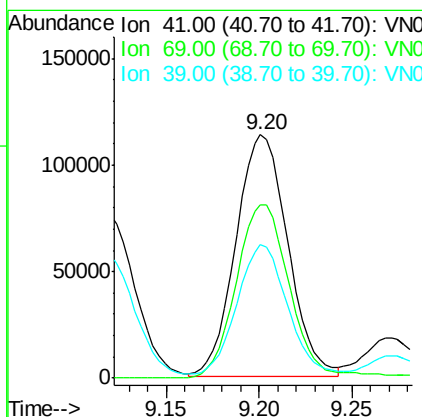
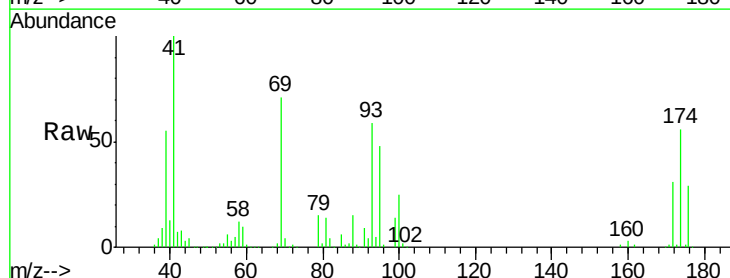
Manual Integrations
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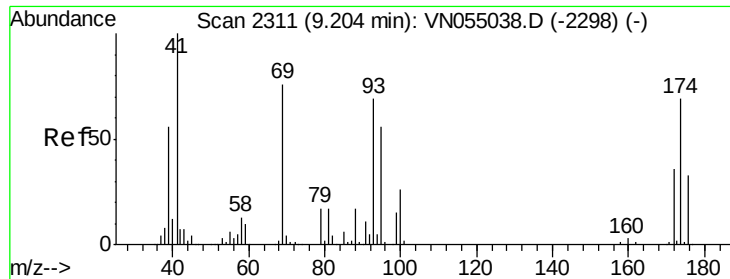
MMDadoda
4/17/2019 1:49:17 PM



#48
Methyl methacrylate
Concen: 54.113 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion	41	Resp	220499
Ion Ratio	100	Lower	Upper
41	100		
69	74.9	60.5	90.7
39	54.4	43.9	65.9





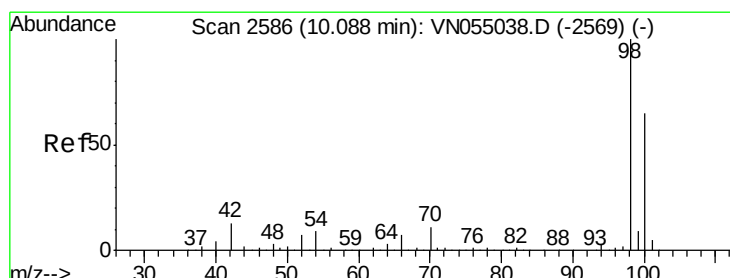
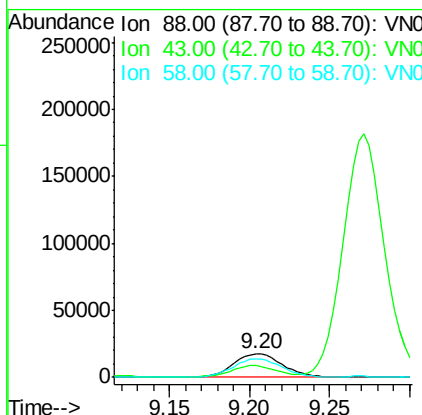
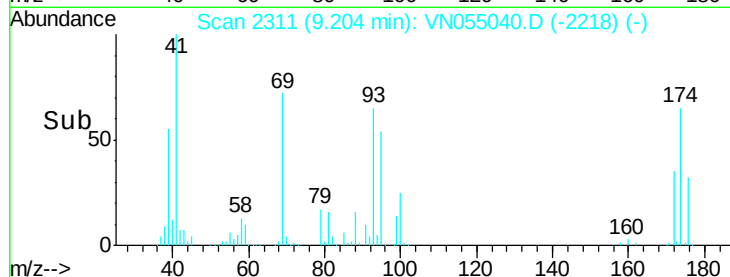
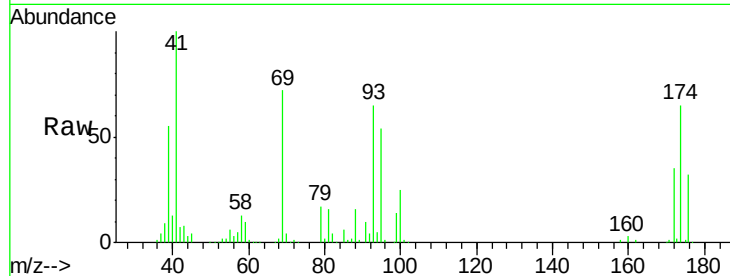
#49
1,4-Dioxane
Concen: 965.690 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041519

Tot Ion	88	Resp	36866
Ion	Ratio	Lower	Upper
88	100		
43	43.1	31.8	47.8
58	78.5	61.6	92.4

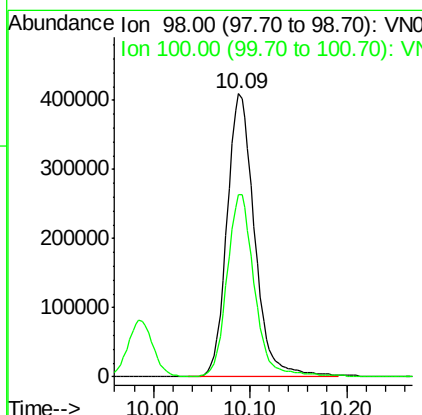
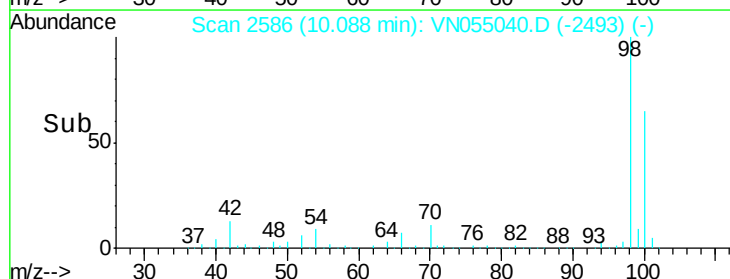
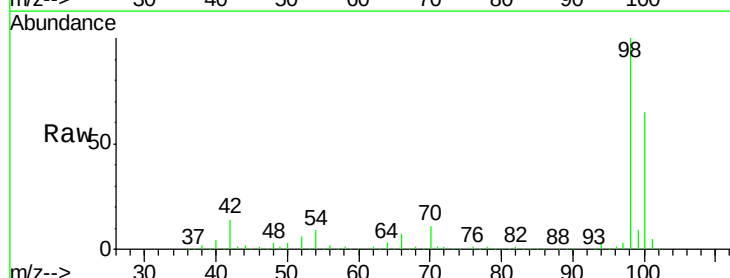
Manual Integrations
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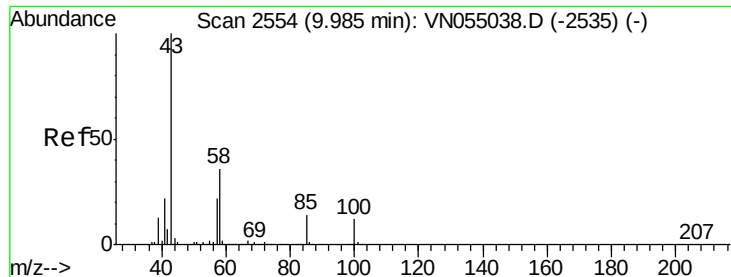
MMDadoda
4/17/2019 1:49:17 PM



#50
Toluene-d8
Concen: 48.907 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion	98	Resp	813248
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 265.850 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041519

Tot Ion: 43 Resp: 1262642

Ion Ratio Lower Upper

43 100

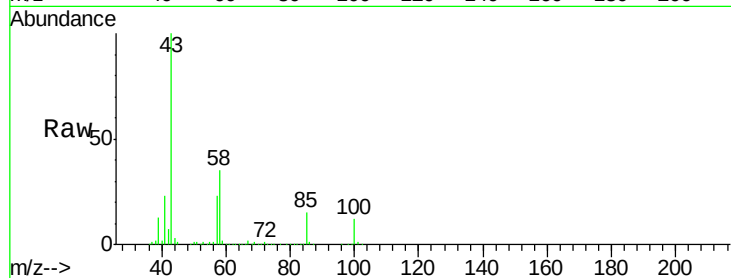
58 35.2 29.0 43.4

Manual Integrations

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MMDadoda

4/17/2019 1:49:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

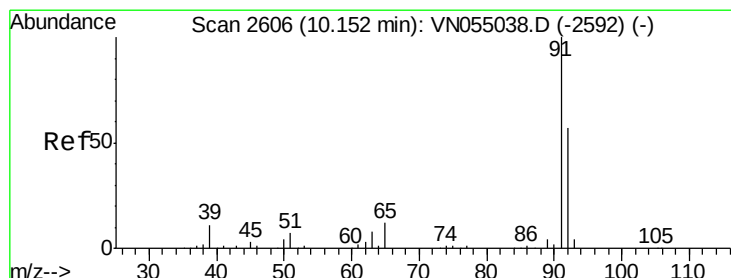
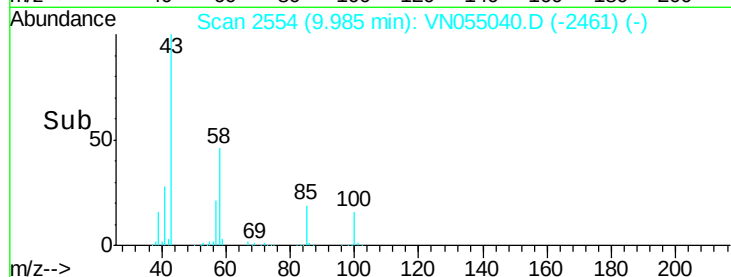
400000

200000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 50.884 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055040.D

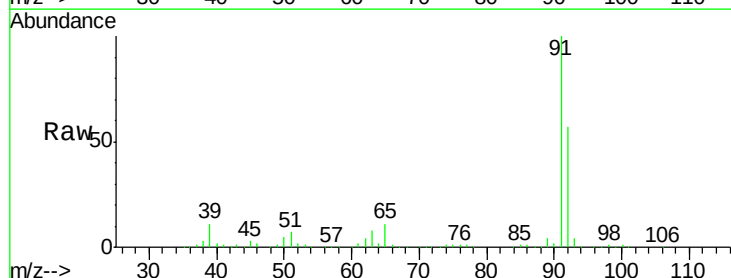
Acq: 15 Apr 2019 12:01

Tgt Ion: 92 Resp: 575620

Ion Ratio Lower Upper

92 100

91 176.7 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

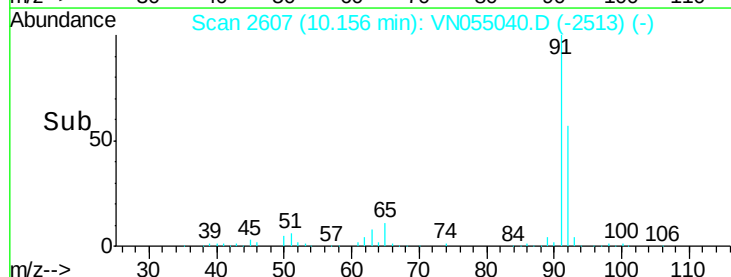
200000

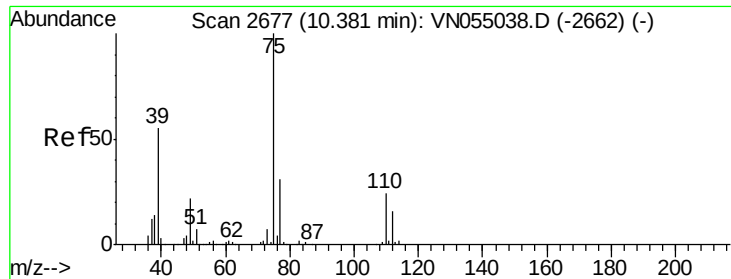
100000

0

10.00 10.10 10.16 10.20 10.30

Time-->





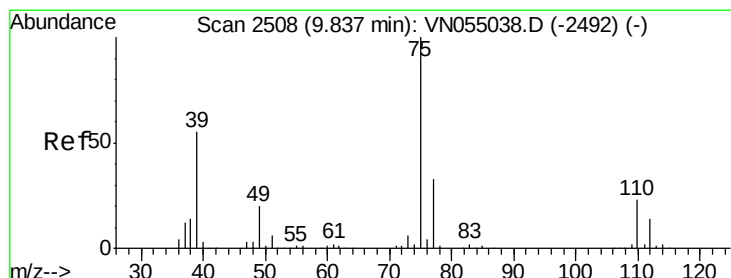
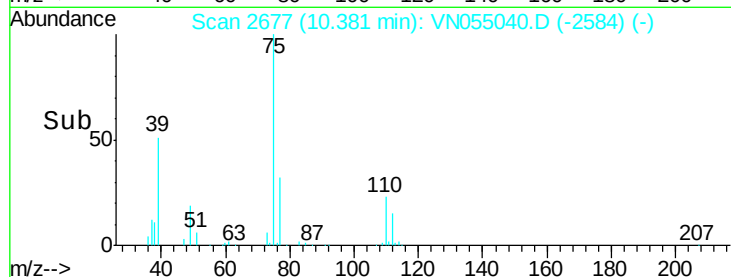
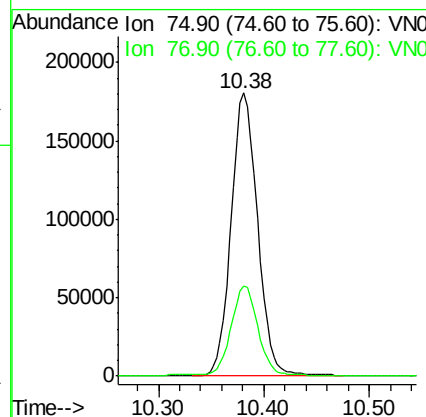
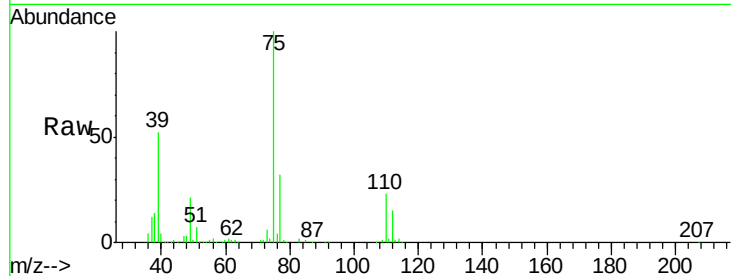
#53
t-1,3-Dichloropropene
Concen: 55.745 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041519

Tot Ion: 75 Resp: 314908
Ion Ratio Lower Upper
75 100
77 31.6 24.6 37.0

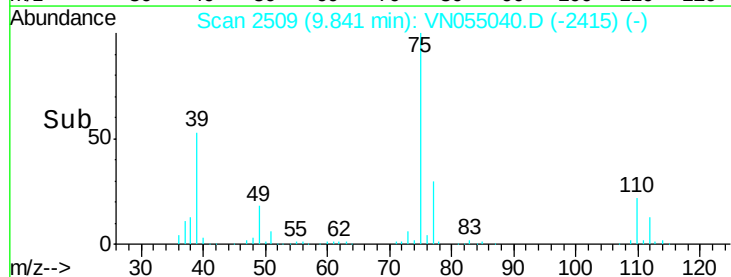
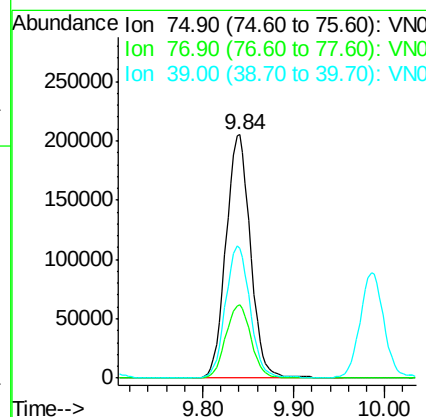
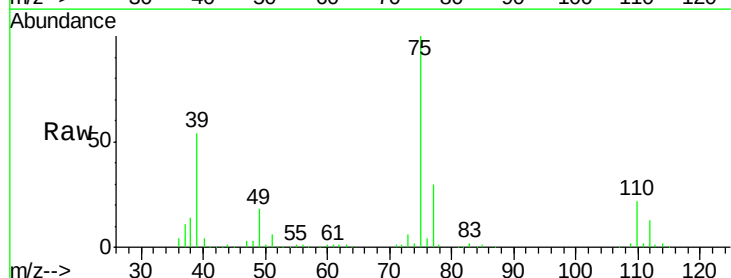
Manual Integrations
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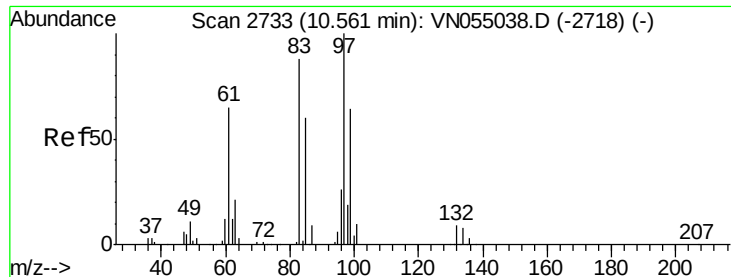
MMDadoda
4/17/2019 1:49:17 PM



#54
cis-1,3-Dichloropropene
Concen: 54.759 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion: 75 Resp: 383929
Ion Ratio Lower Upper
75 100
77 30.4 25.8 38.6
39 53.4 43.8 65.8





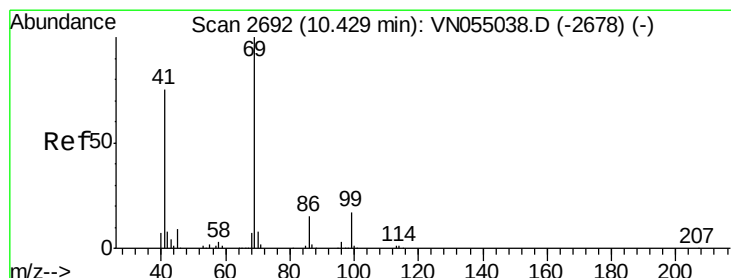
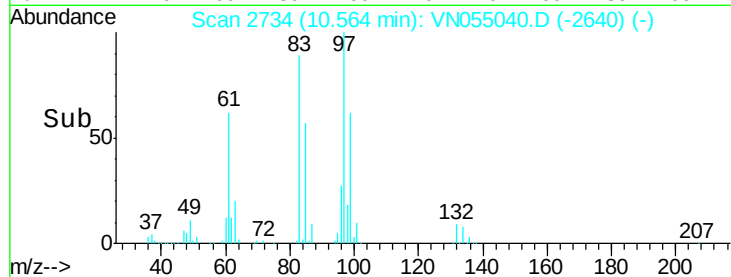
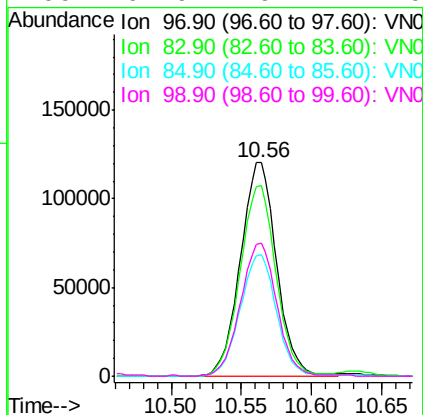
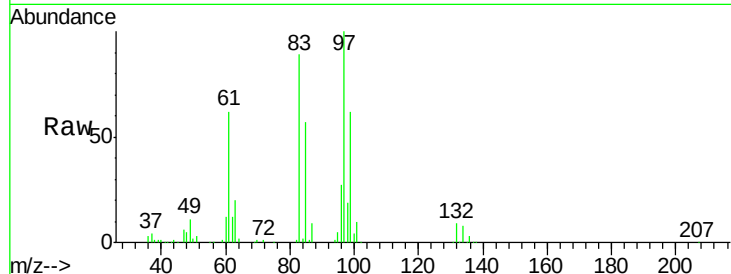
#55
 1,1,2-Trichloroethane
 Concen: 49.714 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041519

Tot Ion:	97	Resp:	216676
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.5	105.7
85	56.7	45.5	68.3
99	61.9	49.4	74.0

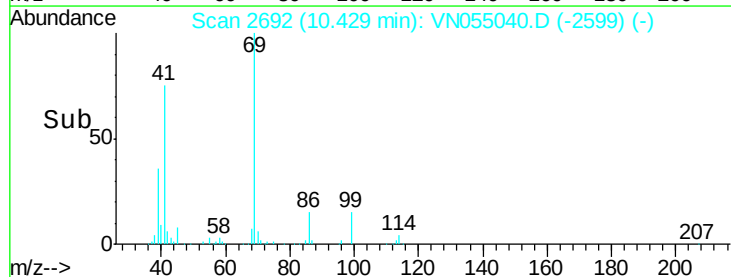
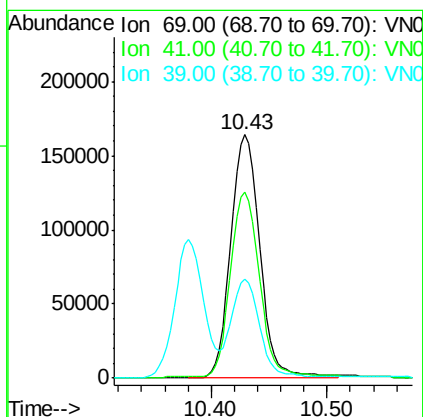
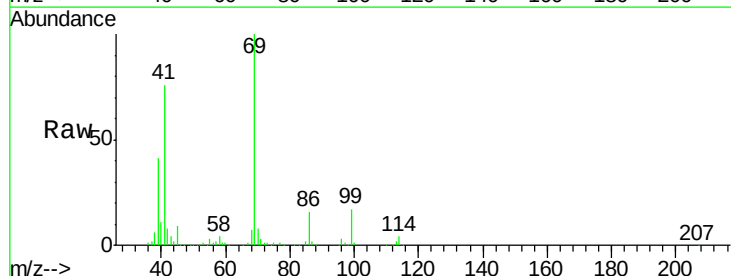
Manual Integrations
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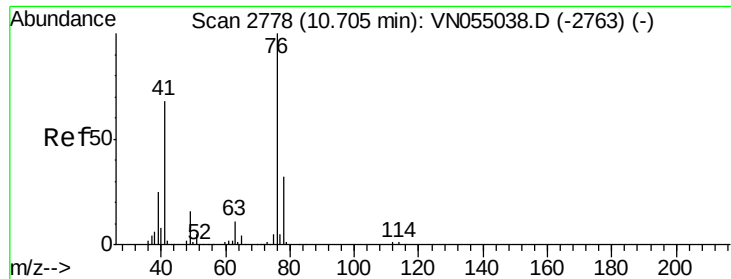
MMDadoda
 4/17/2019 1:49:17 PM



#56
 Ethyl methacrylate
 Concen: 54.826 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Tgt Ion:	69	Resp:	286773
Ion	Ratio	Lower	Upper
69	100		
41	75.8	61.4	92.0
39	39.4	30.8	46.2





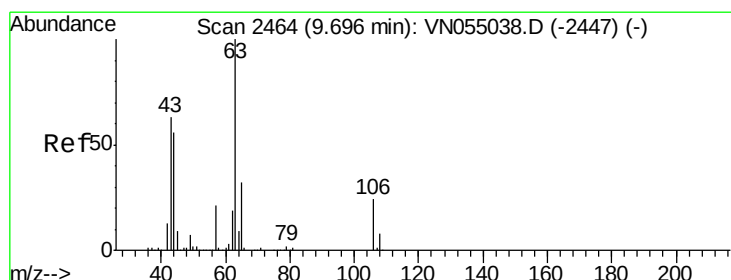
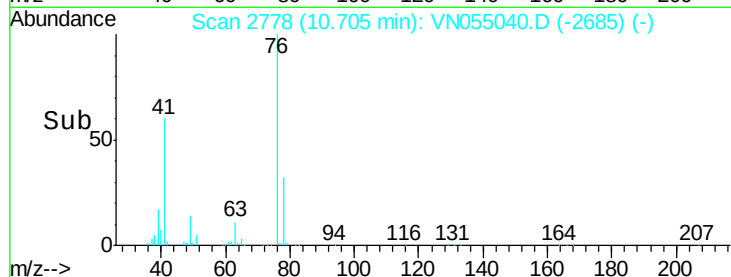
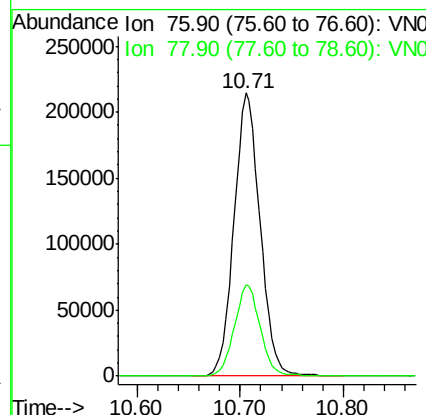
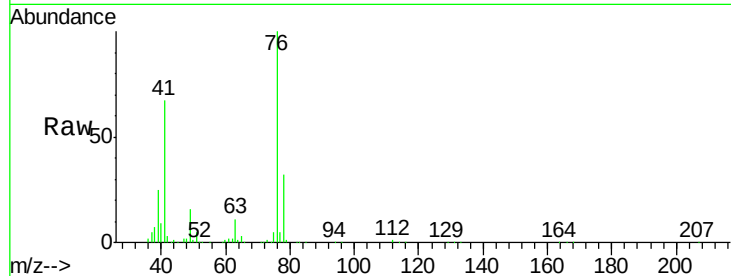
#57
 1,3-Dichloropropane
 Concen: 51.081 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041519

Tot Ion: 76 Resp: 379053
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4

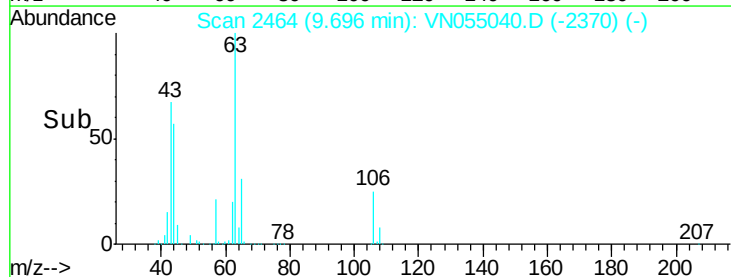
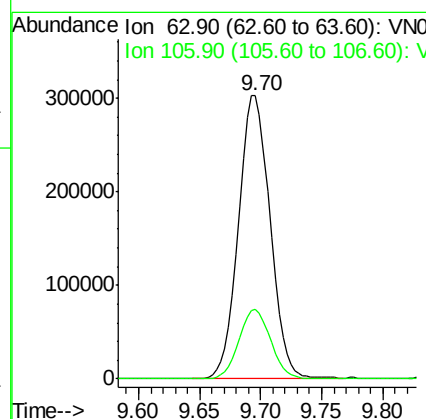
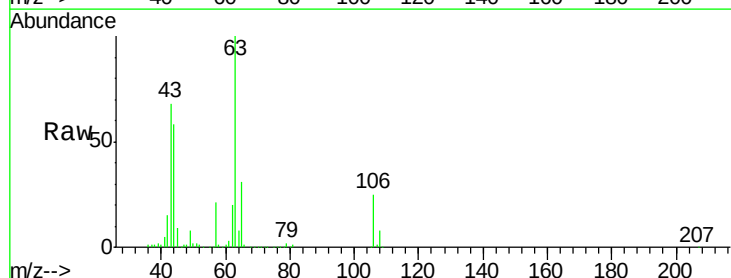
Manual Integrations
 APPROVED

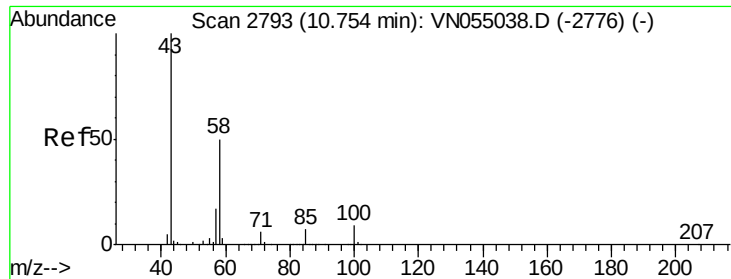
MMDadoda
 4/17/2019 1:49:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.246 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Tgt Ion: 63 Resp: 546138
 Ion Ratio Lower Upper
 63 100
 106 24.5 20.0 30.0





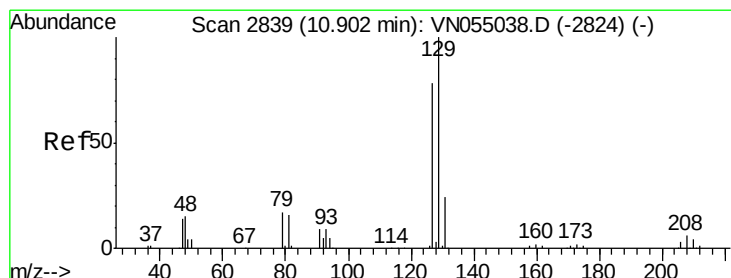
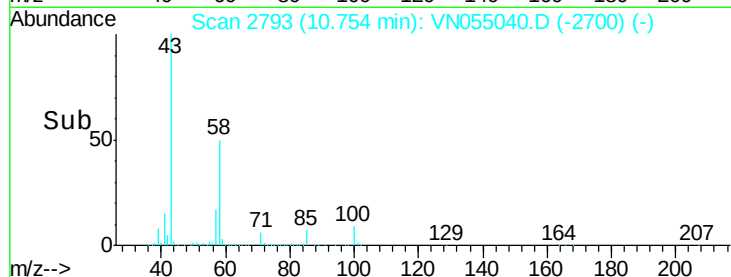
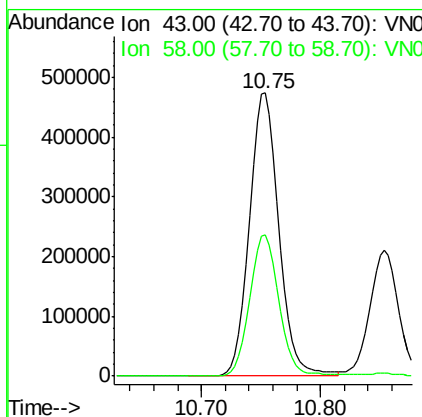
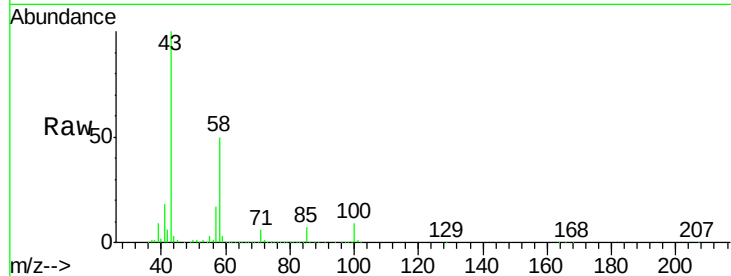
#59
2-Hexanone
Concen: 271.251 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041519

Tot Ion: 43 Resp: 809171
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.2

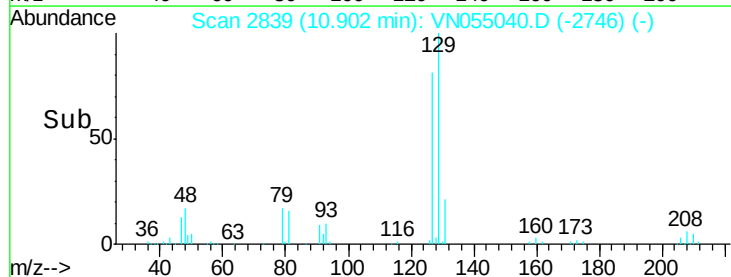
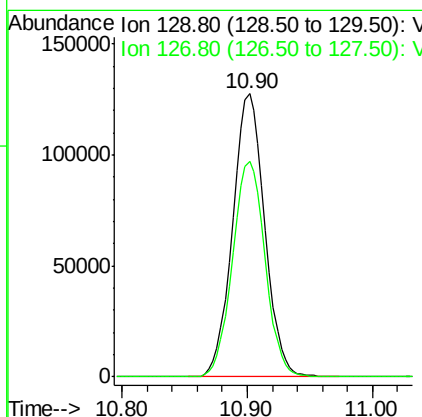
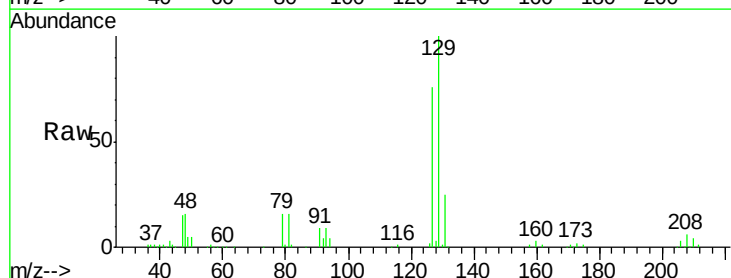
Manual Integrations
APPROVED

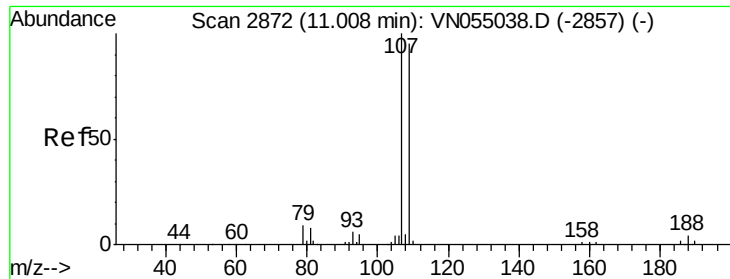
MMDadoda
4/17/2019 1:49:17 PM



#60
Dibromochloromethane
Concen: 53.273 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion: 129 Resp: 226725
Ion Ratio Lower Upper
129 100
127 77.4 38.2 114.6





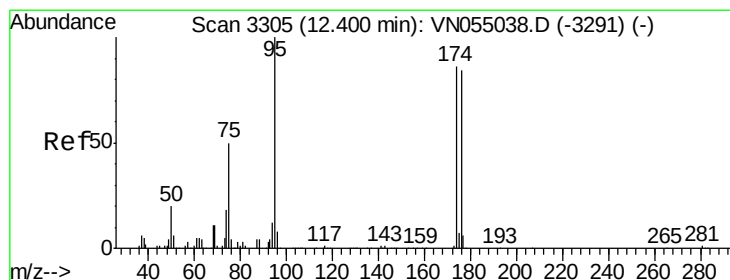
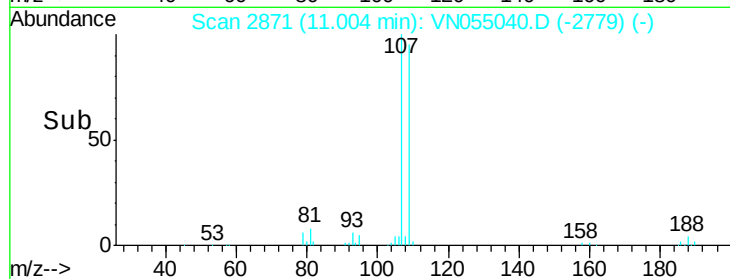
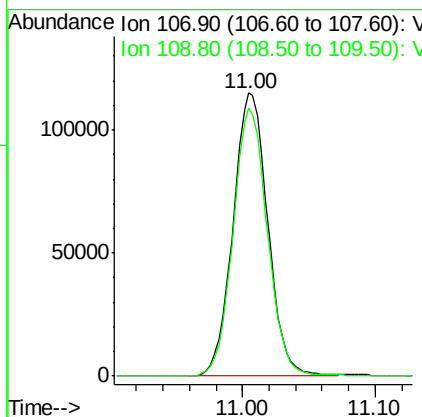
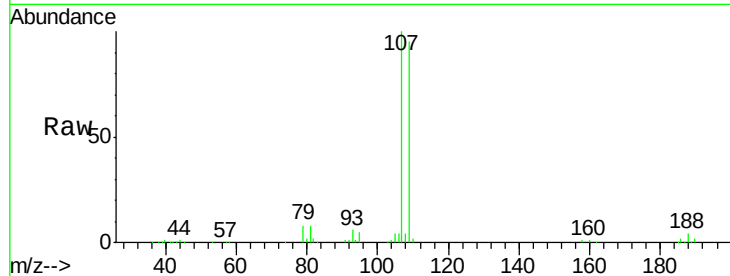
#61
 1,2-Dibromoethane
 Concen: 52.064 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN041519

Tot Ion	Ratio	Resp	Lower	Upper
107	100	208858		
109	93.8	76.5	114.7	

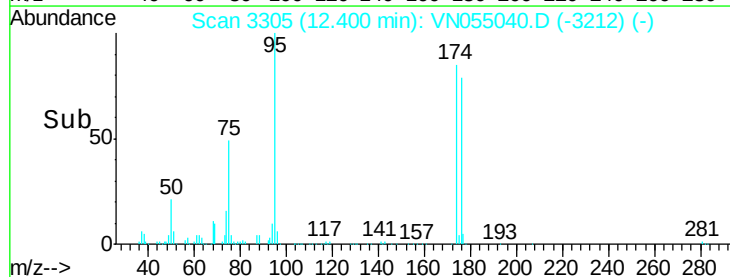
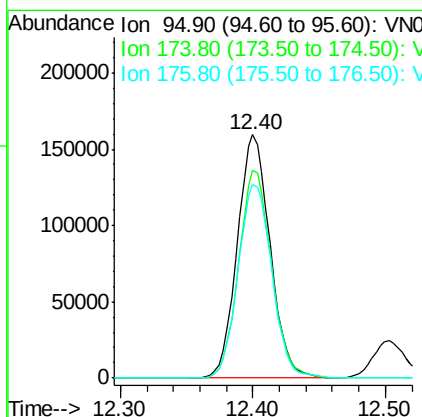
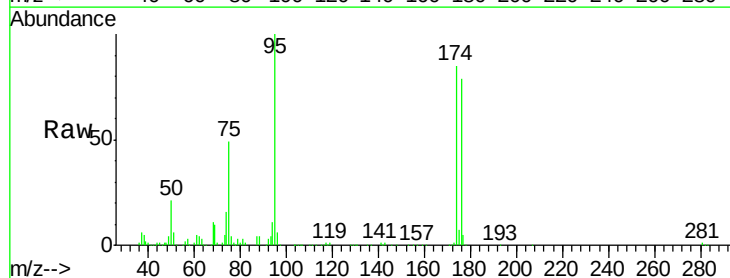
Manual Integrations
 APPROVED

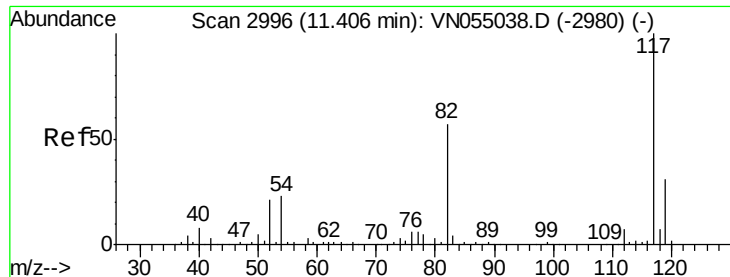
MMDadoda
 4/17/2019 1:49:17 PM



#62
 4-Bromofluorobenzene
 Concen: 50.676 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	273946		
174	85.9	0.0	174.4	
176	82.0	0.0	166.8	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

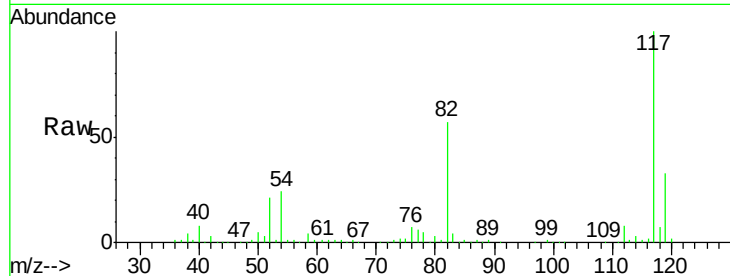
ClientSampleId :

ICVVN041519

Tot Ion:	117	Resp:	613406
Ion Ratio	Lower	Upper	
117	100		
82	56.9	44.6	66.8
119	32.6	25.5	38.3

Manual Integrations
APPROVED

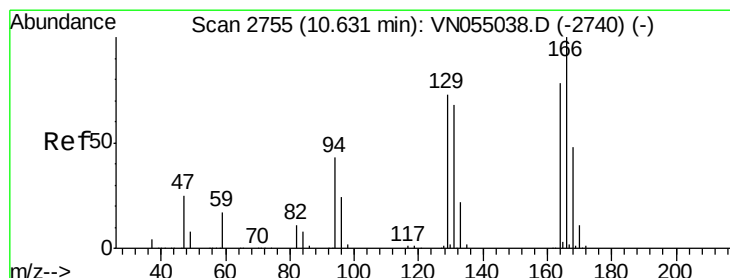
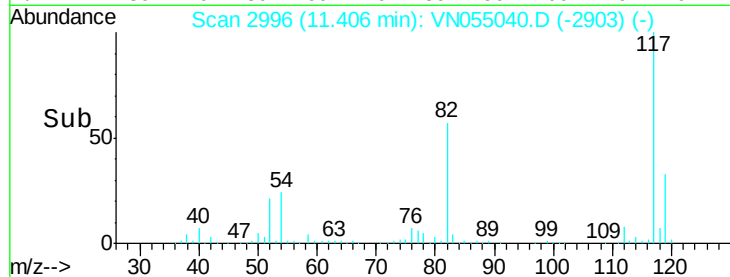
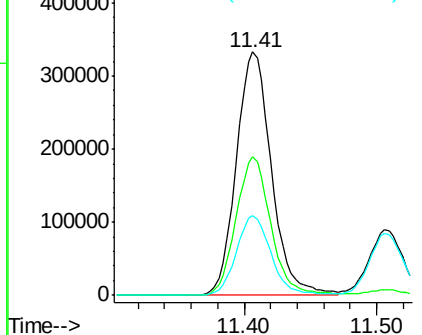
MMDadoda
4/17/2019 1:49:17 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.096 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

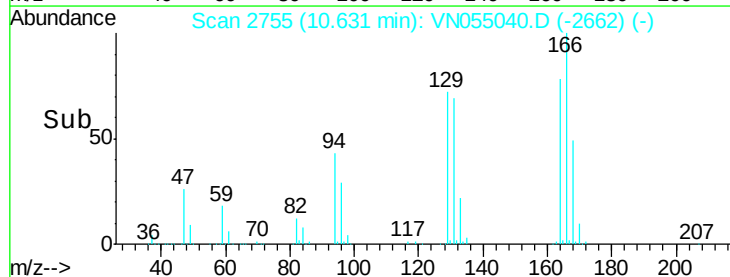
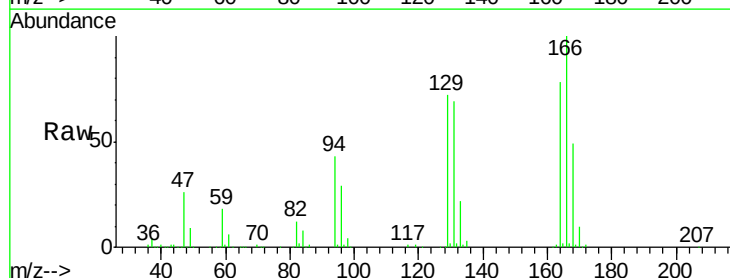
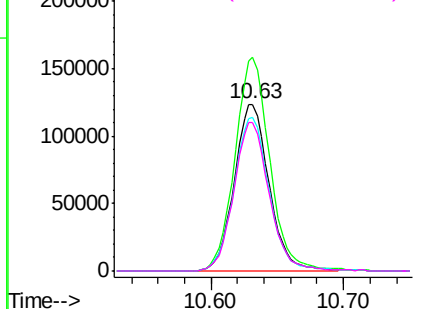
Tgt Ion:	164	Resp:	224941
Ion Ratio	Lower	Upper	
164	100		
166	128.1	100.0	150.0
129	92.1	72.0	108.0
131	88.9	69.7	104.5

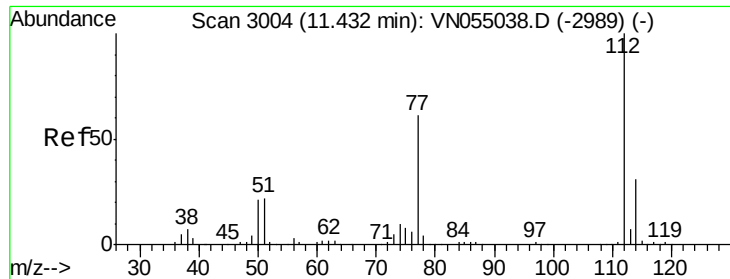
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





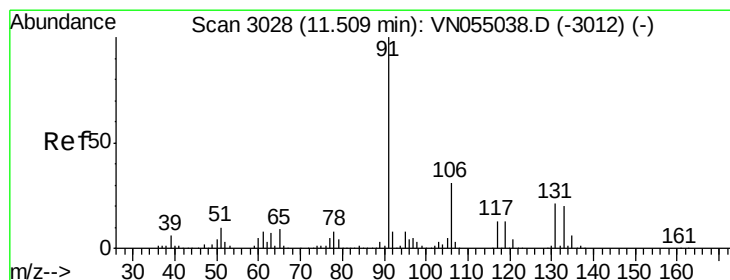
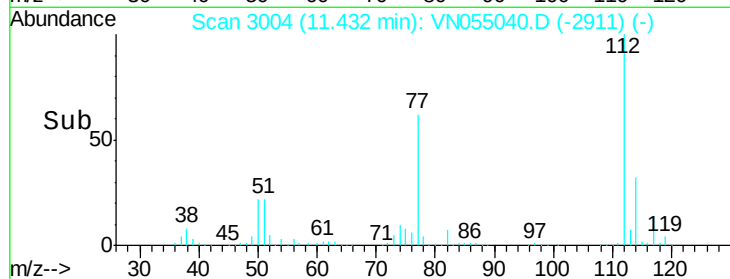
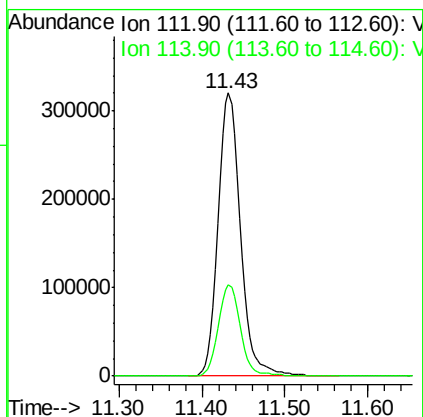
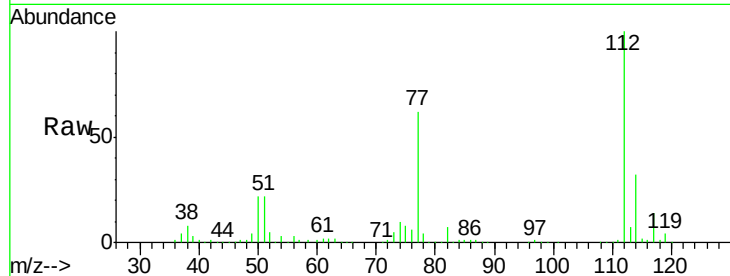
#65
Chlorobenzene
Concen: 48.349 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041519

Tot Ion:112 Resp: 596978
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9

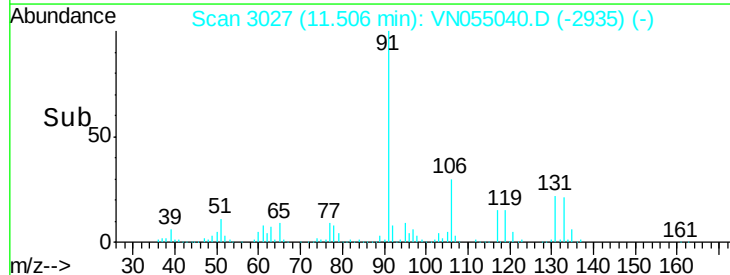
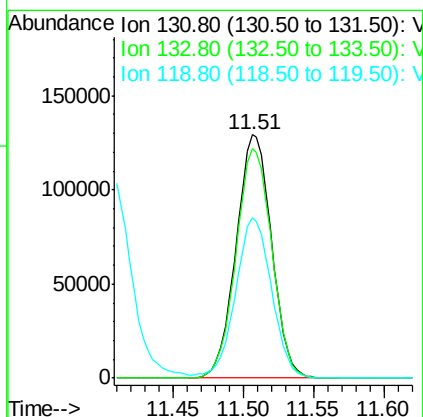
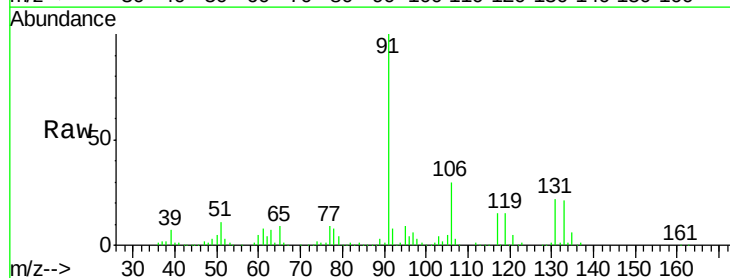
Manual Integrations
APPROVED

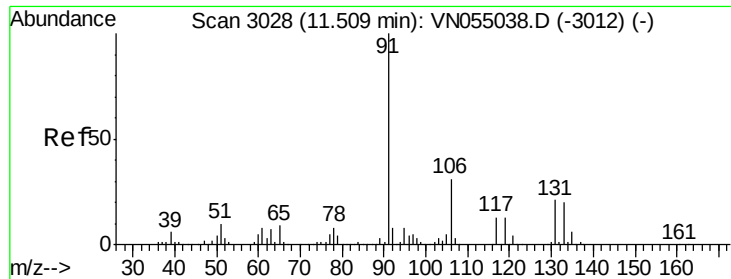
MMDadoda
4/17/2019 1:49:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.174 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion:131 Resp: 227855
Ion Ratio Lower Upper
131 100
133 95.1 47.8 143.3
119 66.4 33.6 100.6





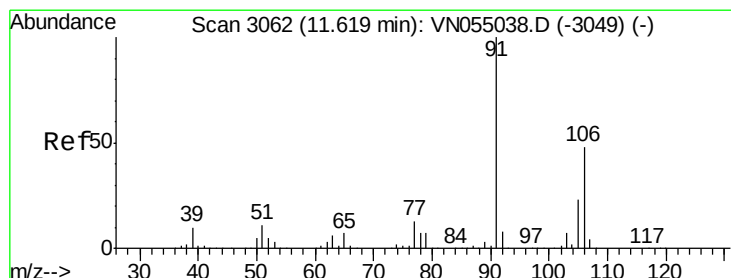
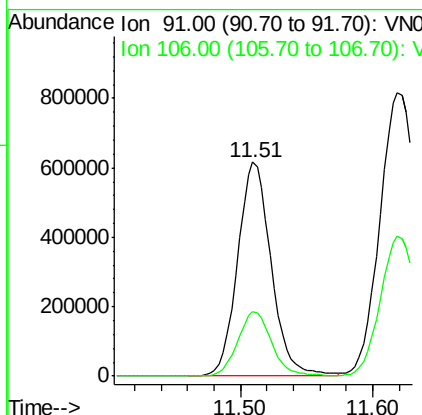
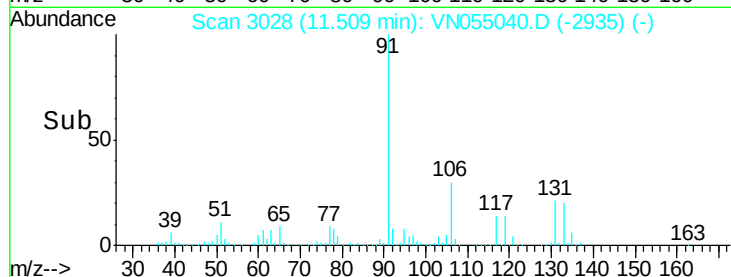
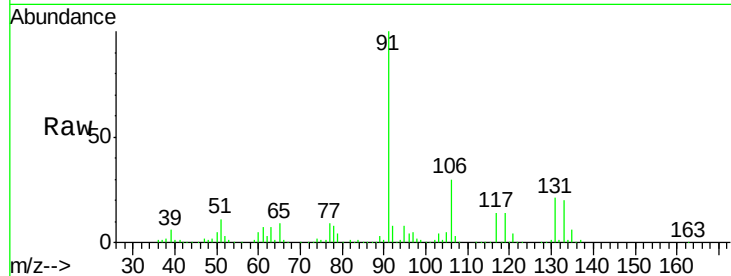
#67
Ethyl Benzene
Concen: 49.220 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041519

Tot Ion: 91 Resp: 1085315
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5

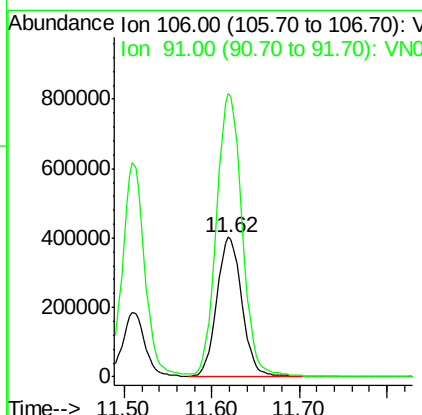
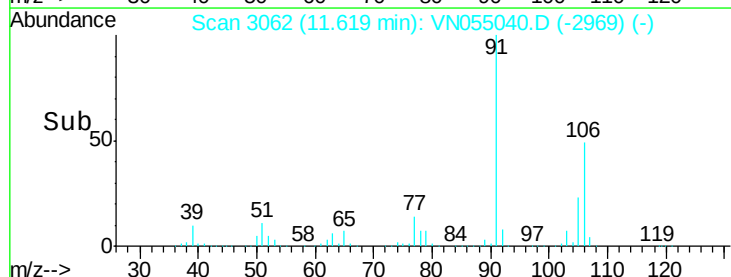
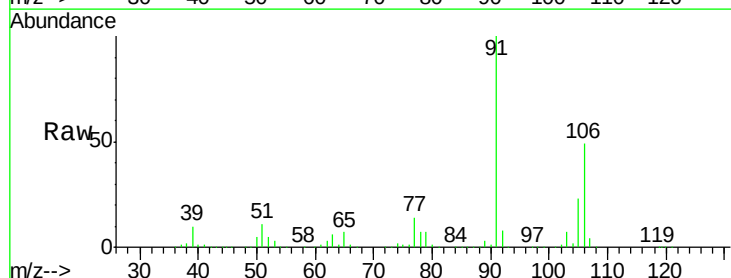
Manual Integrations
APPROVED

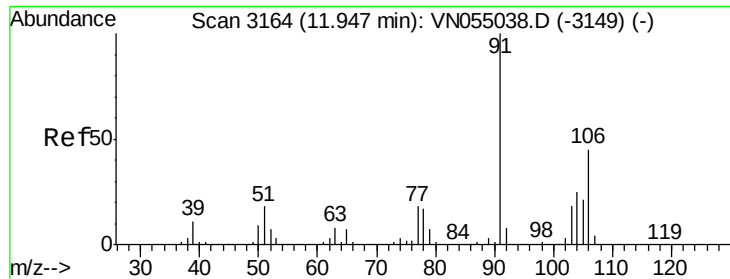
MMDadoda
4/17/2019 1:49:17 PM



#68
m/p-Xylenes
Concen: 101.256 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion: 106 Resp: 808493
Ion Ratio Lower Upper
106 100
91 206.2 165.9 248.9





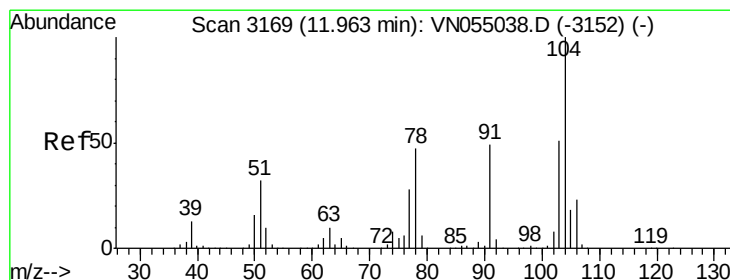
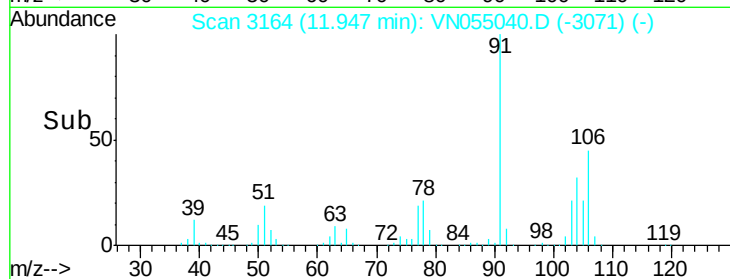
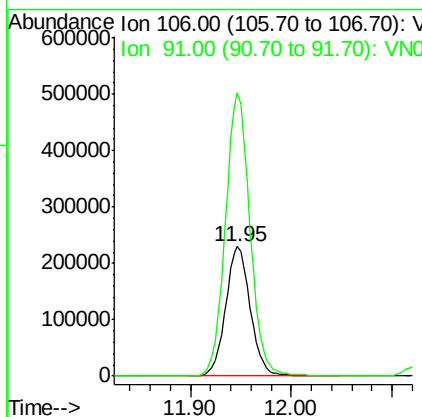
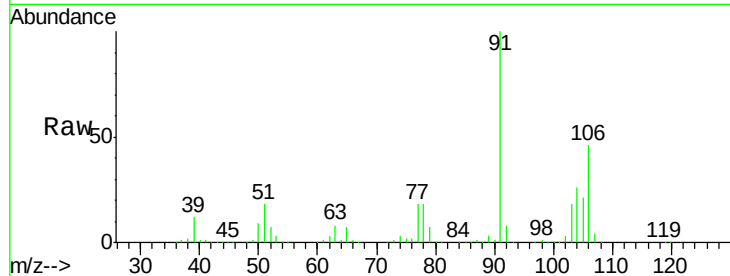
#69
o-Xylene
Concen: 50.908 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampled :
ICVVN041519

Tot Ion:106 Resp: 393699
Ion Ratio Lower Upper
106 100
91 217.7 109.9 329.8

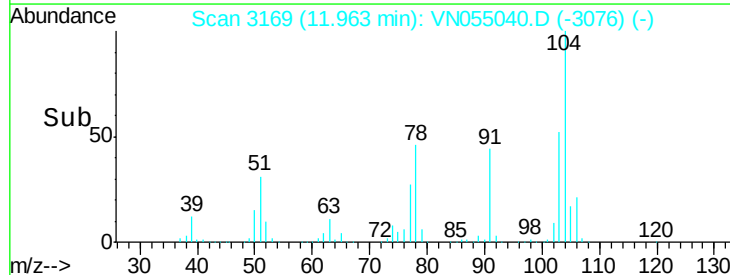
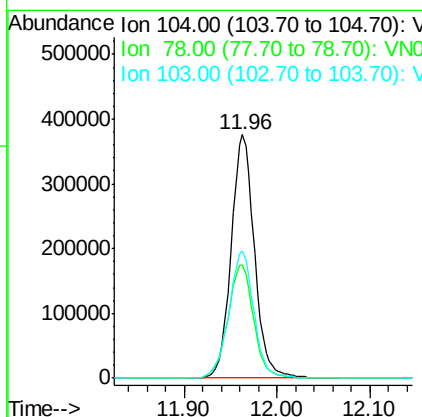
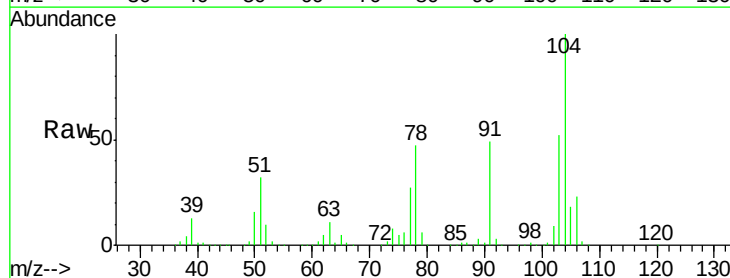
Manual Integrations
APPROVED

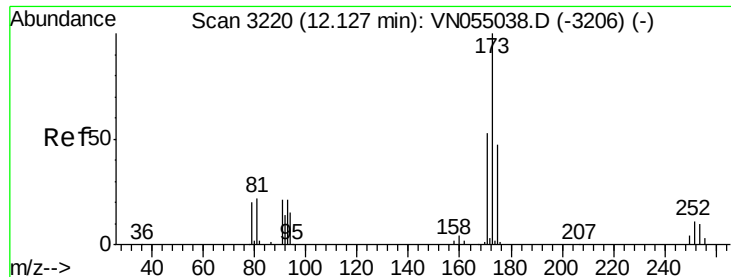
MMDadoda
4/17/2019 1:49:17 PM



#70
Styrene
Concen: 52.142 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion:104 Resp: 652733
Ion Ratio Lower Upper
104 100
78 51.7 40.3 60.5
103 56.1 44.3 66.5





#71

Bromoform

Concen: 54.416 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

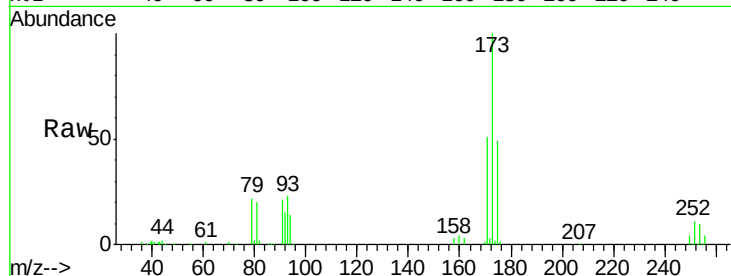
ClientSampled :

ICVVN041519

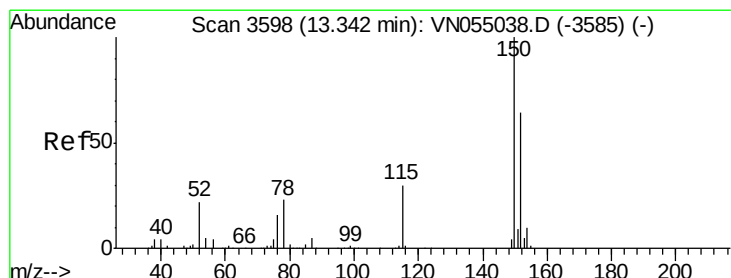
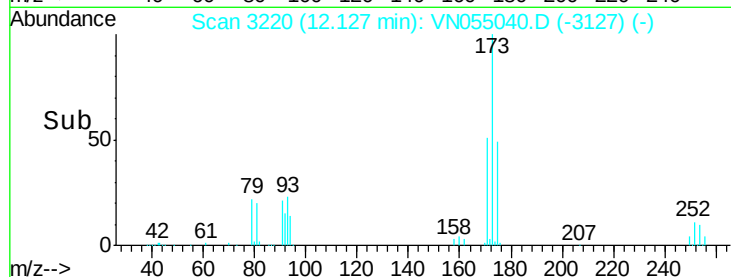
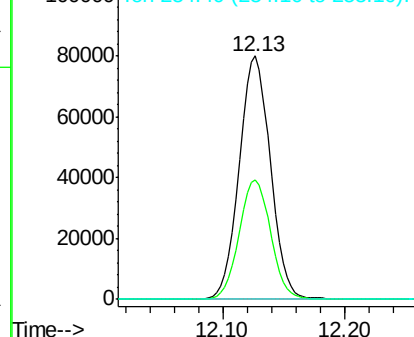
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.3	73.0
254	0.2	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
4/17/2019 1:49:17 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

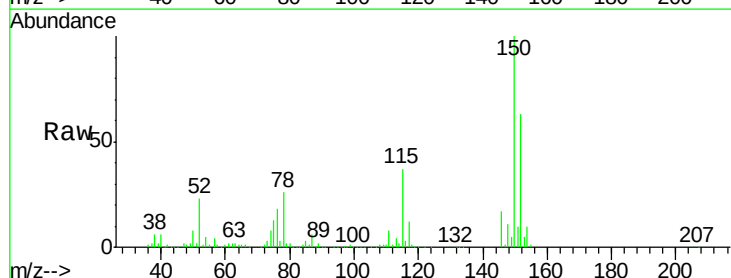
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

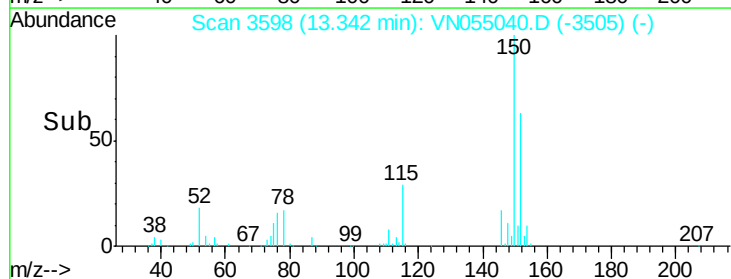
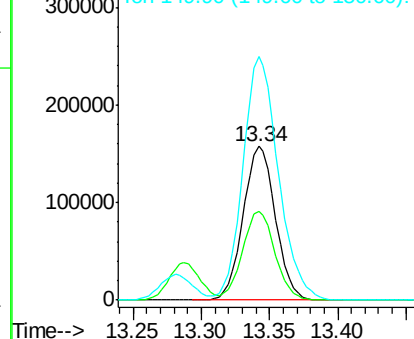
Lab File: VN055040.D

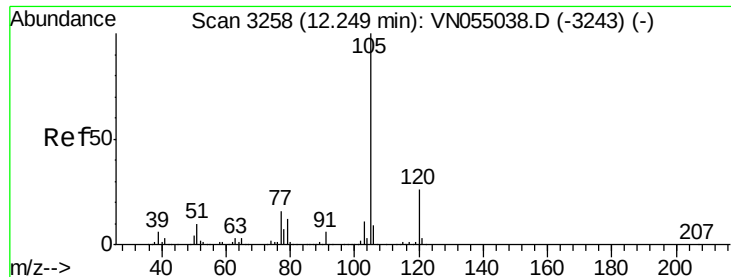
Acq: 15 Apr 2019 12:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.5	85.6
150	174.6	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.152 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041519

Tot Ion:105 Resp: 1031387

Ion Ratio Lower Upper

105 100

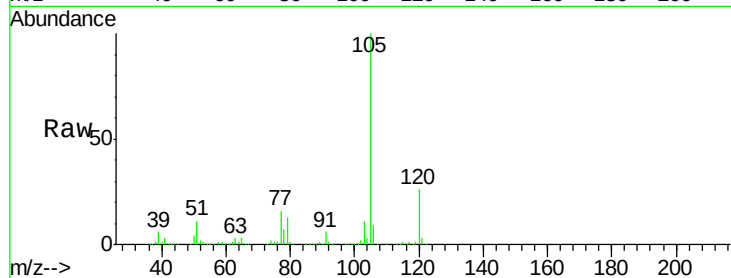
120 26.1 13.3 39.9

Manual Integrations

APPROVED

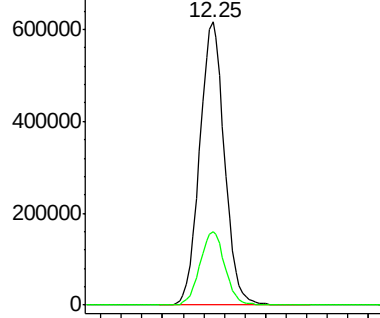
MMDadoda

4/17/2019 1:49:17 PM

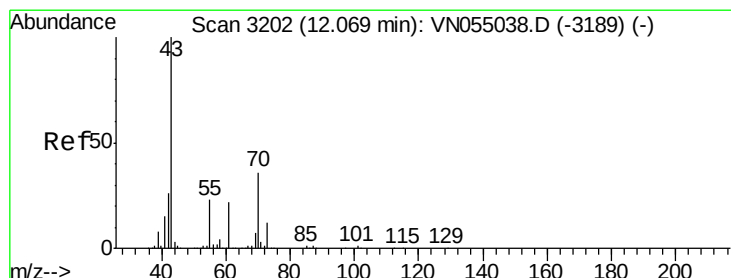
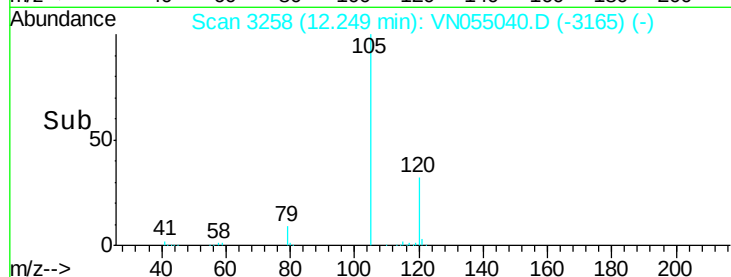


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 53.955 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Tgt Ion: 43 Resp: 346945

Ion Ratio Lower Upper

43 100

70 36.5 29.4 44.0

55 22.7 19.0 28.4

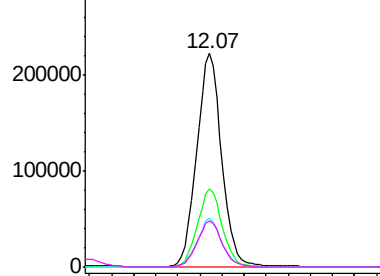
61 21.6 17.7 26.5

Abundance Ion 43.00 (42.70 to 43.70): V

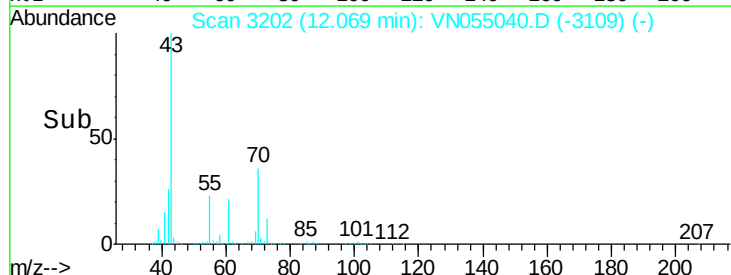
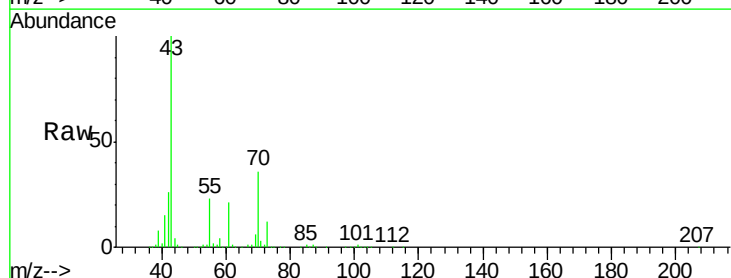
Ion 70.00 (69.70 to 70.70): V

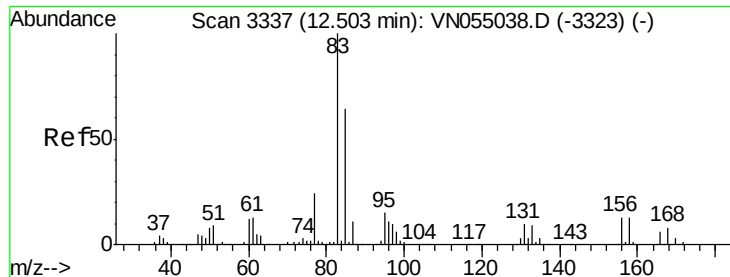
Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V



Time-->





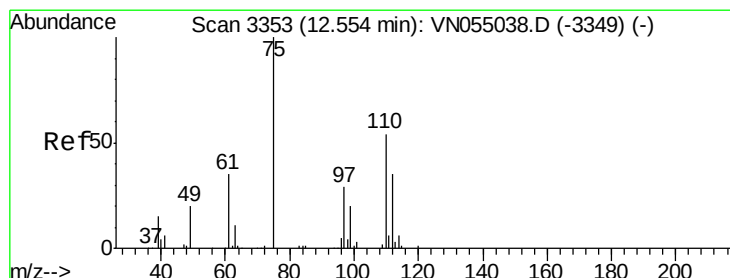
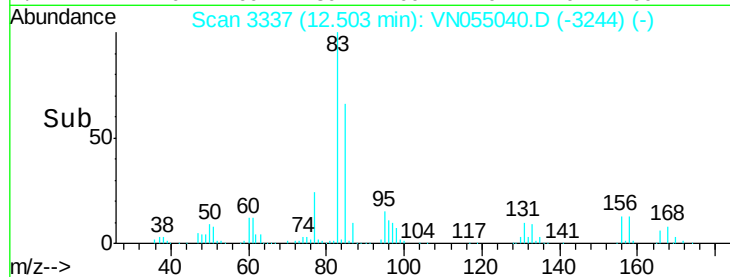
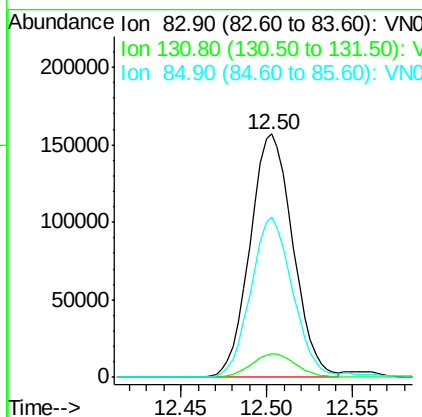
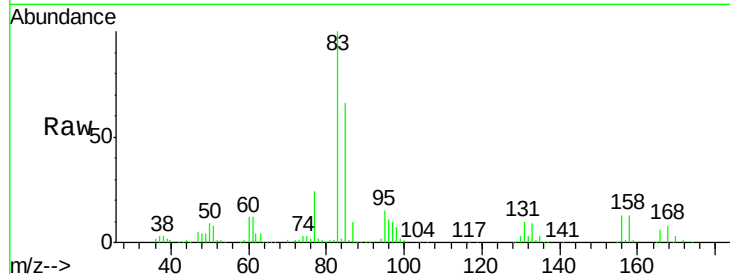
#75
 1,1,2,2-Tetrachloroethane
 Concen: 44.352 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041519

Tot Ion	83	Resp	271091
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	64.1	32.3	96.9

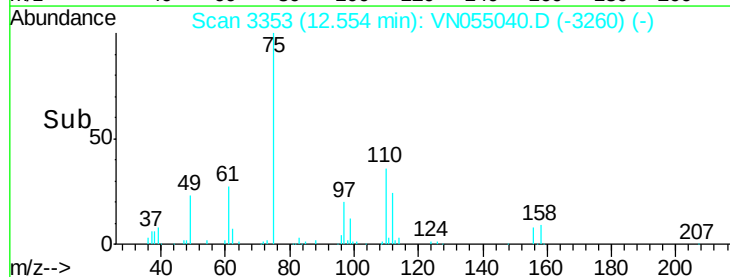
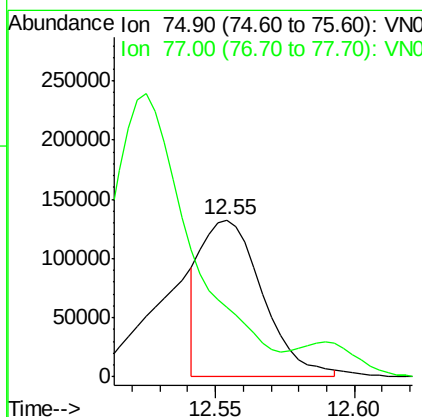
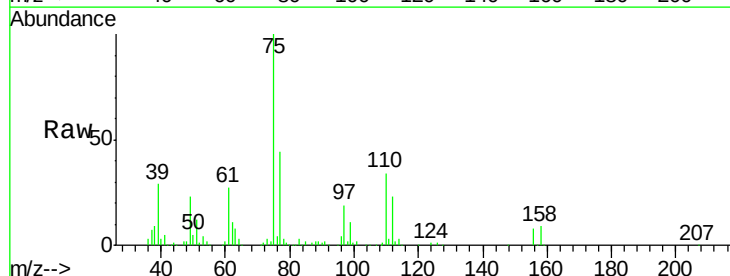
Manual Integrations
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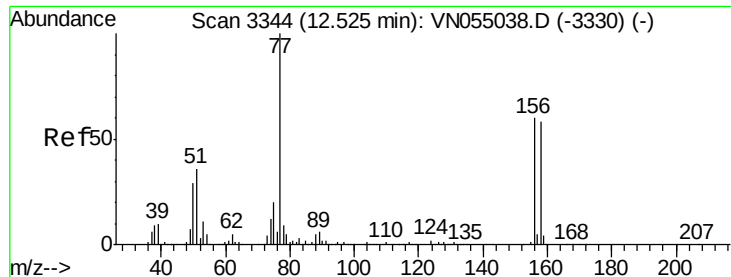
MMDadoda
 4/17/2019 1:49:17 PM



#76
 1,2,3-Trichloropropane
 Concen: 43.698 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Tgt Ion	75	Resp	202281
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 44.347 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

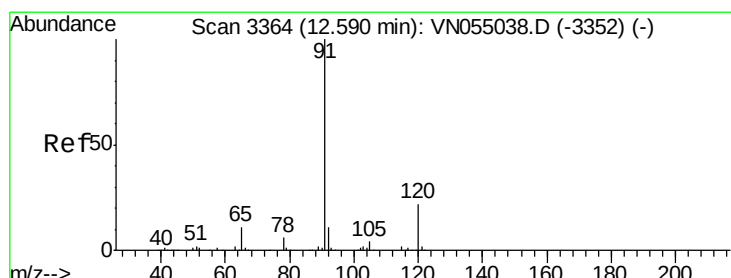
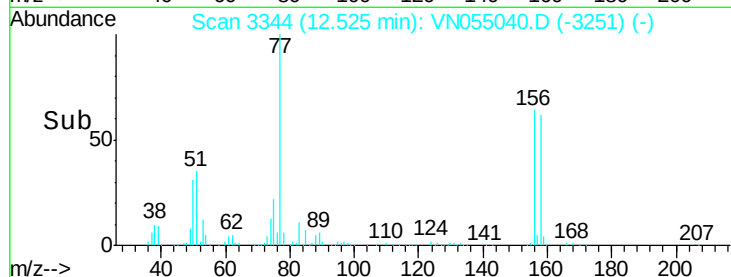
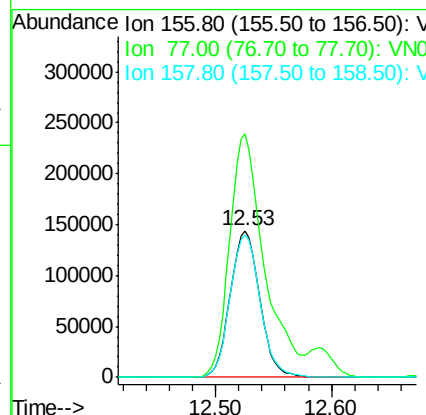
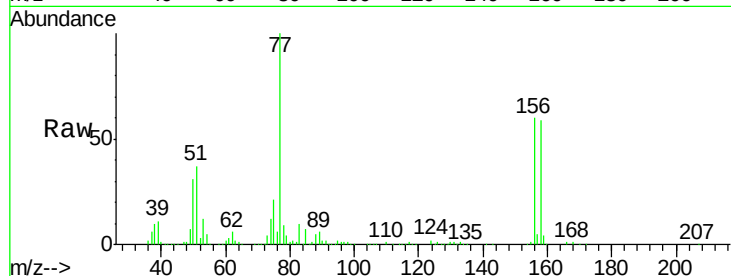
ClientSampleId :

ICVVN041519

Tot Ion:	156	Resp:	252550
Ion Ratio	Lower	Upper	
156	100		
77	195.0	97.2	291.5
158	99.2	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 47.012 ug/l

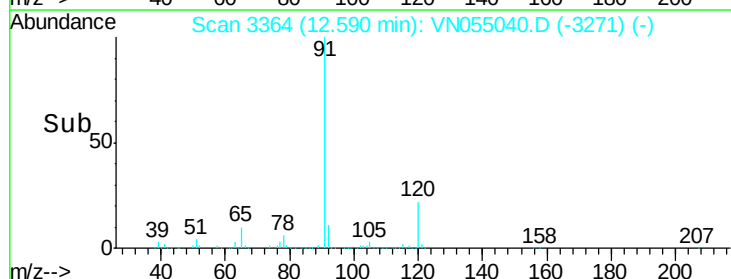
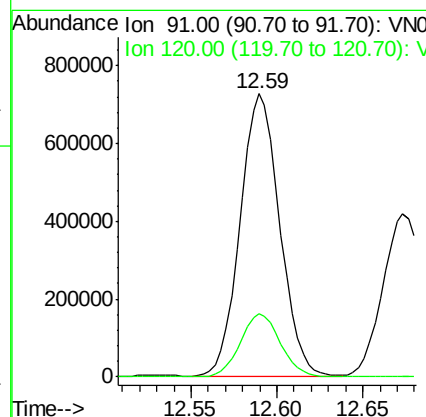
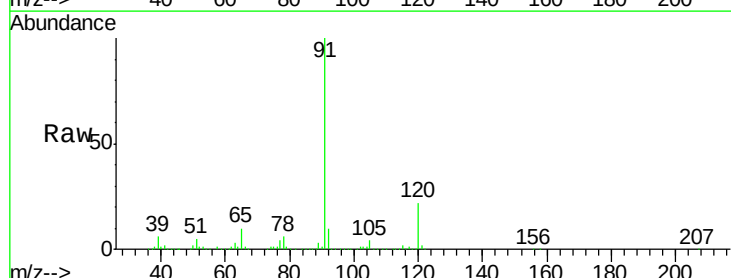
RT: 12.59 min Scan# 3364

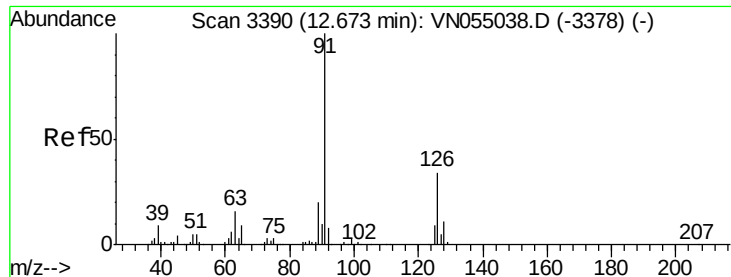
Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Tgt Ion:	91	Resp:	1160254
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 45.849 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041519

Tot Ion: 91 Resp: 705789

Ion Ratio Lower Upper

91 100

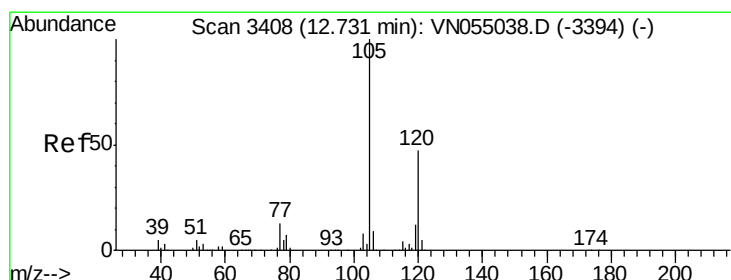
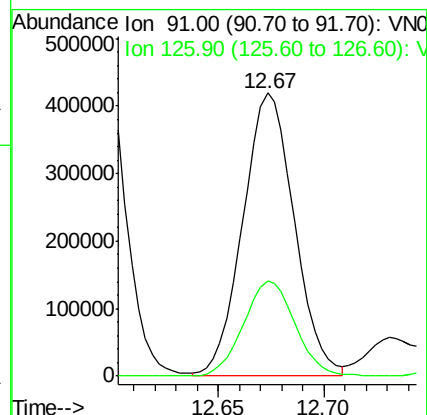
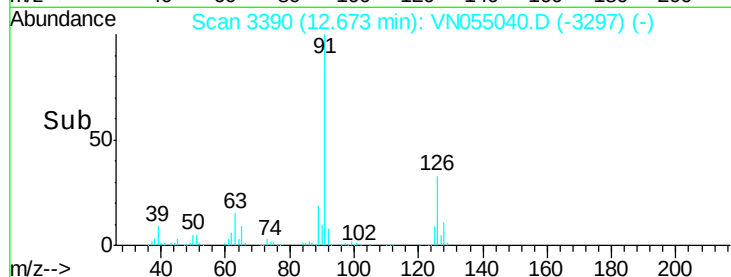
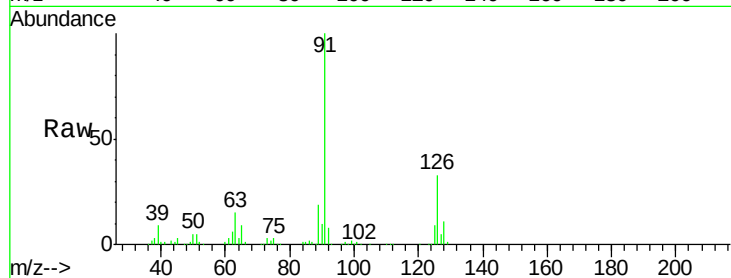
126 34.1 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 46.078 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055040.D

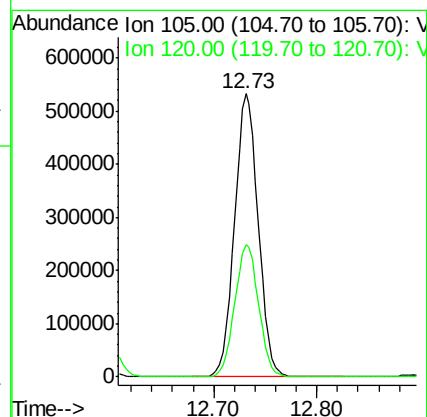
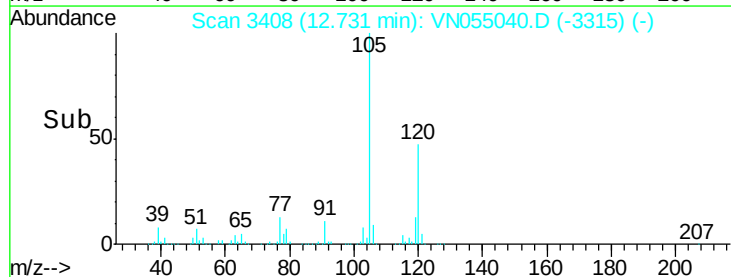
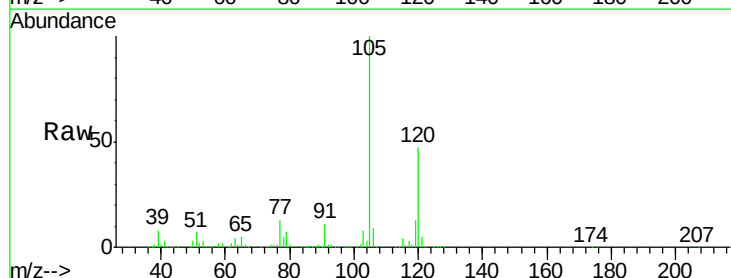
Acq: 15 Apr 2019 12:01

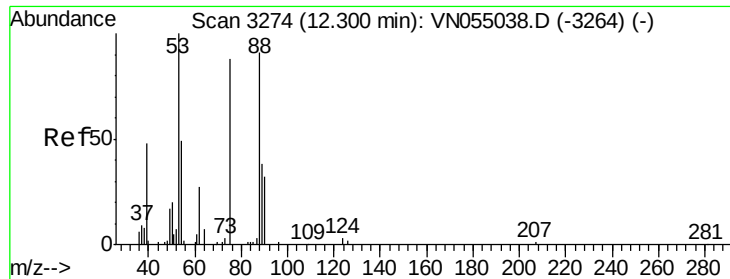
Tgt Ion: 105 Resp: 849397

Ion Ratio Lower Upper

105 100

120 47.4 24.3 72.8





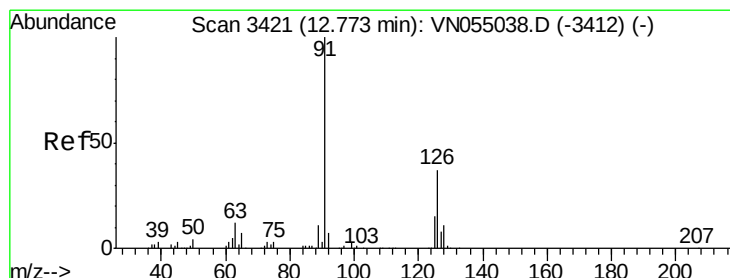
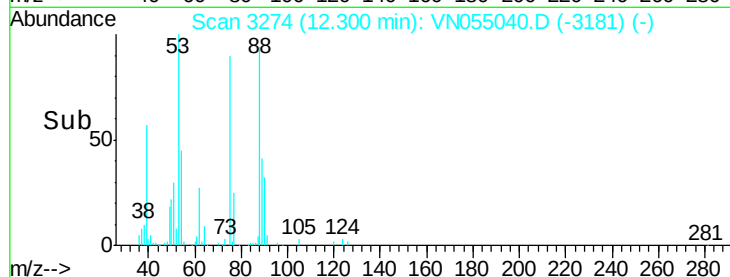
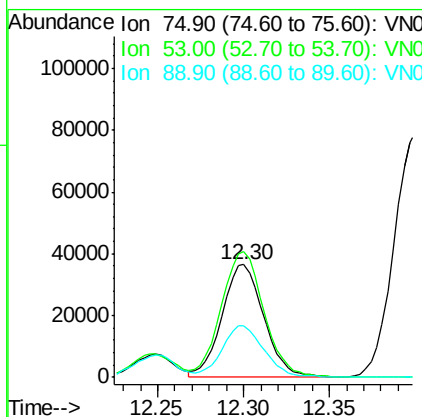
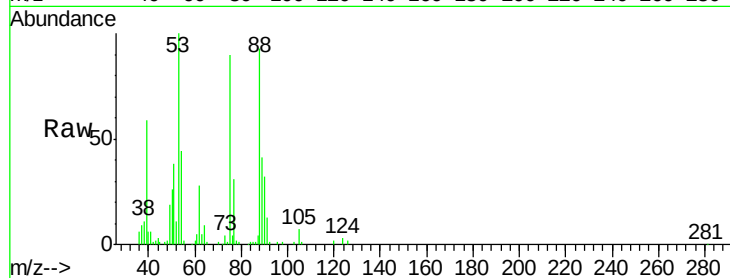
#81
trans-1,4-Dichloro-2-butene
Concen: 52.596 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041519

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.0	96.3	144.5
89	46.6	38.6	57.8

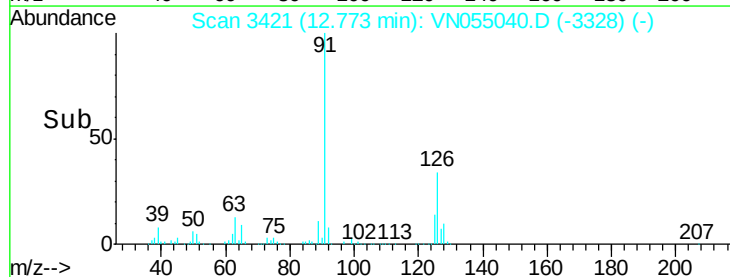
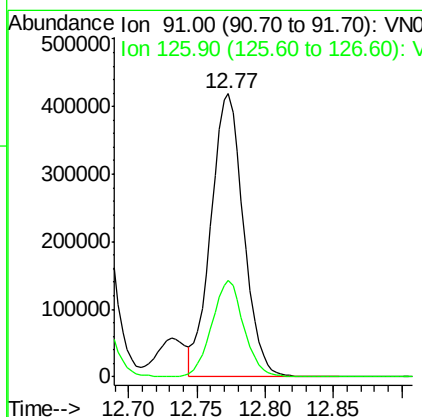
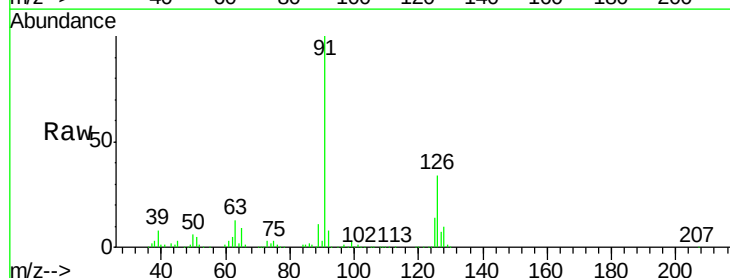
Manual Integrations
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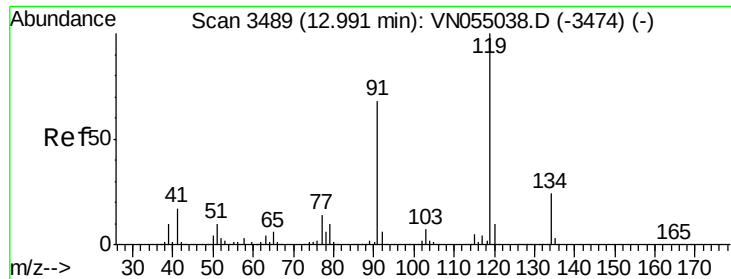
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.331 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.2





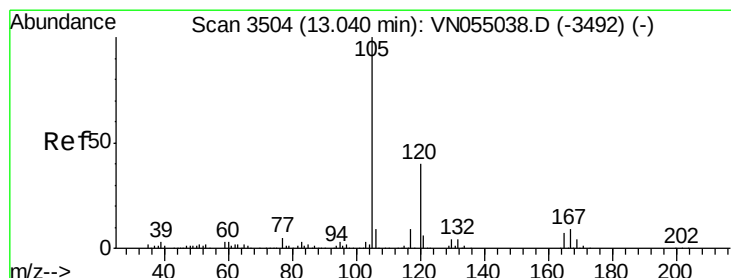
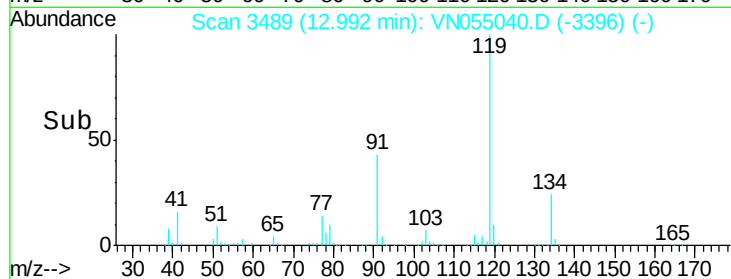
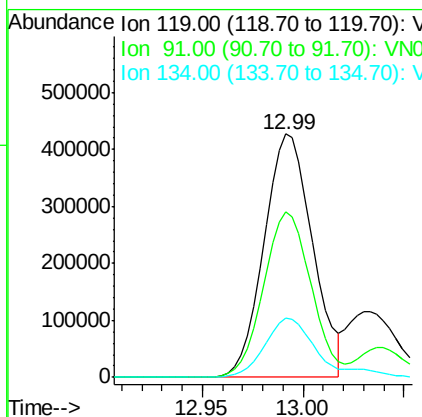
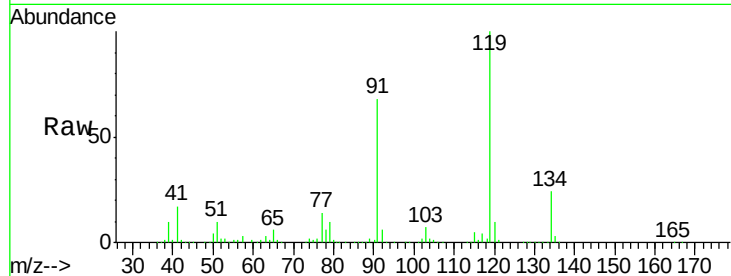
#83
 tert-Butylbenzene
 Concen: 45.803 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041519

Tot Ion	Ratio	Resp	Lower	Upper
119	100	713058		
91	66.5	33.3	99.8	
134	26.5	12.3	36.9	

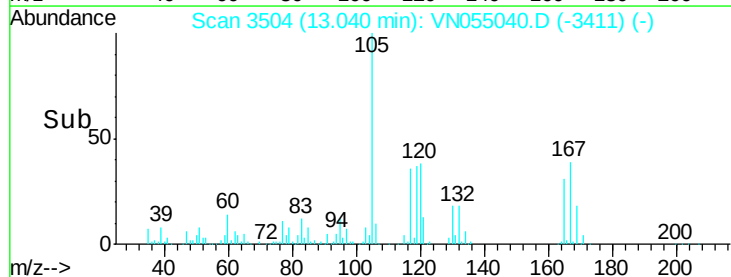
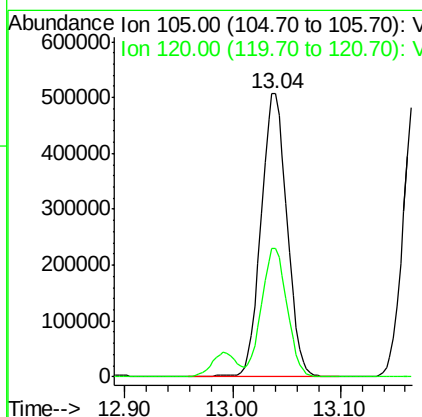
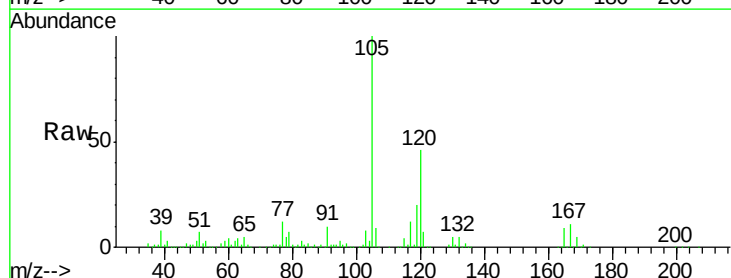
Manual Integrations
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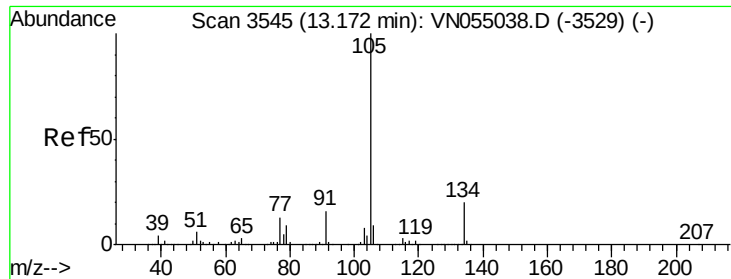
MMDadoda
 4/17/2019 1:49:17 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.400 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	845541		
120	44.9	22.4	67.3	





#85

sec-Butylbenzene

Concen: 46.600 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041519

Tot Ion:105 Resp: 924414

Ion Ratio Lower Upper

105 100

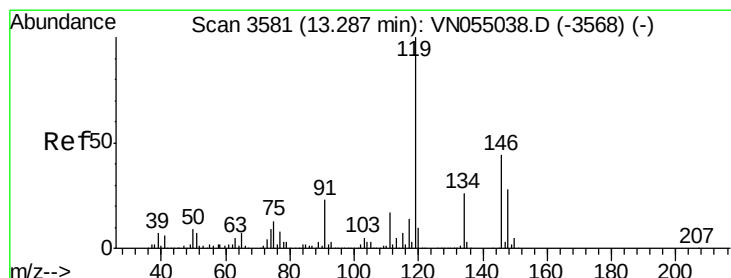
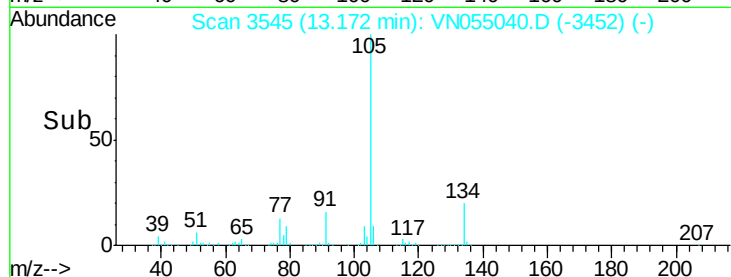
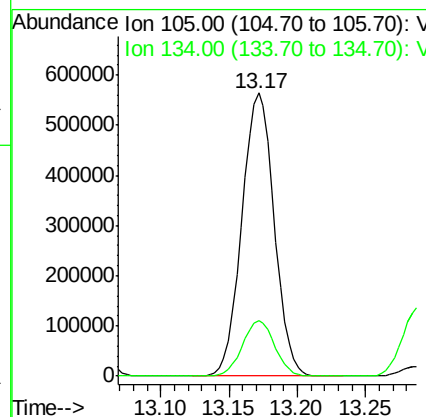
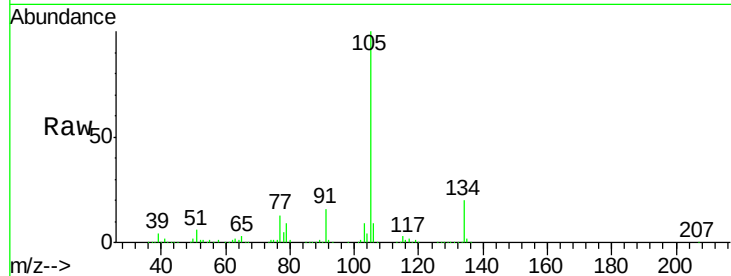
134 19.7 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.034 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

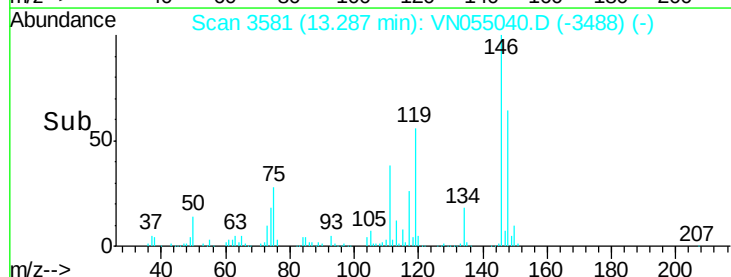
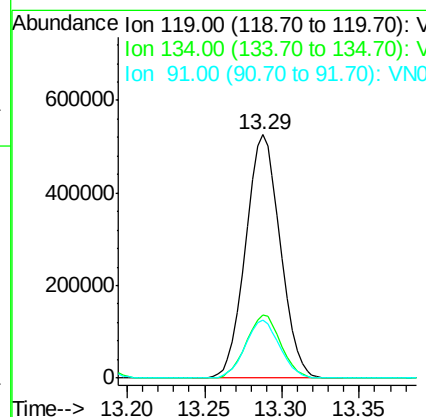
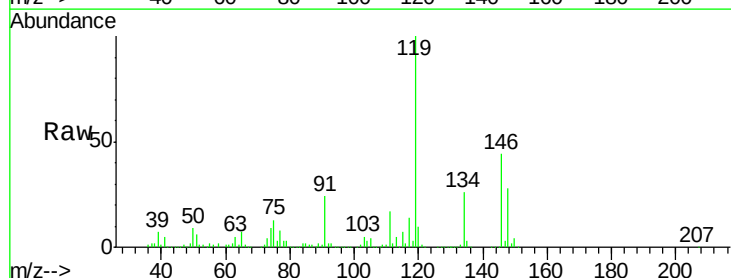
Tgt Ion:119 Resp: 817481

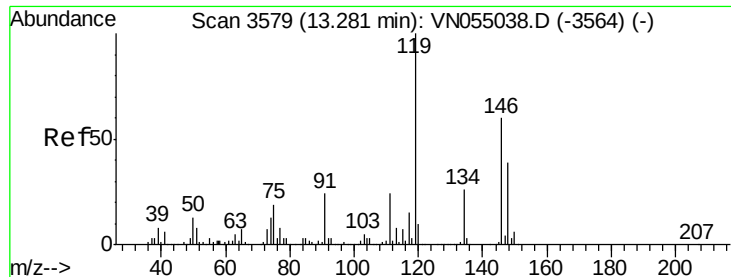
Ion Ratio Lower Upper

119 100

134 25.9 13.2 39.5

91 23.7 11.7 35.1





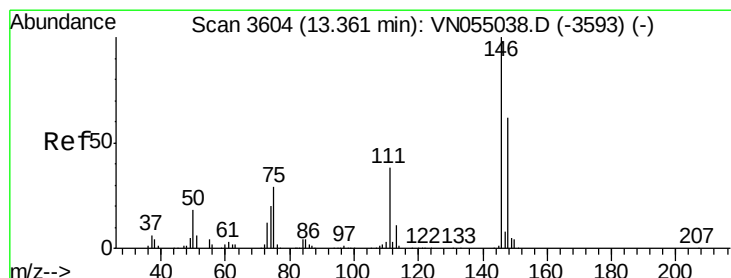
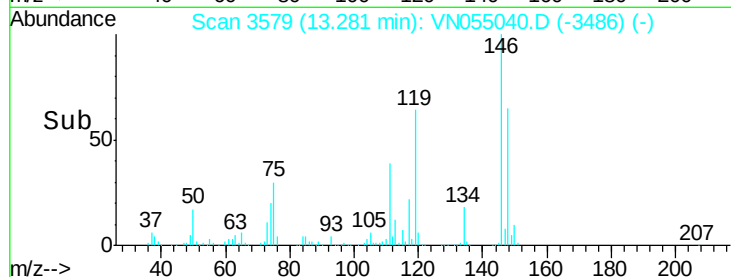
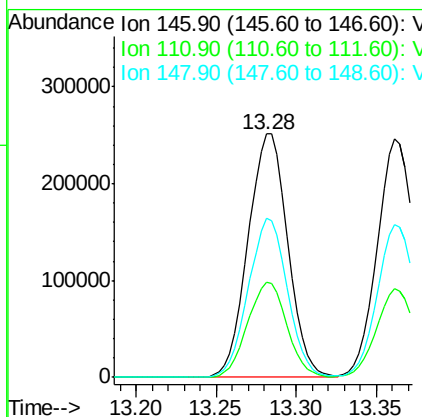
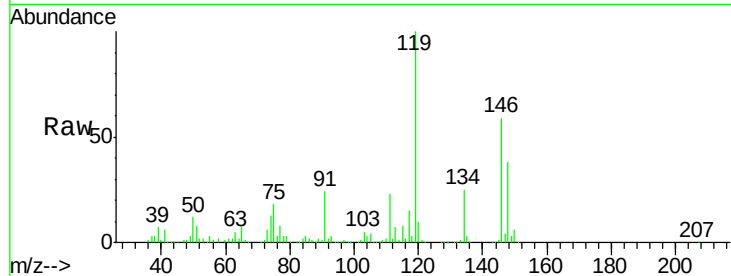
#87
 1,3-Dichlorobenzene
 Concen: 49.398 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041519

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.5	58.5
148	64.3	31.6	94.7

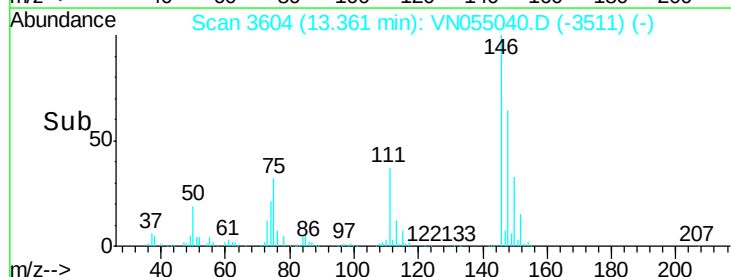
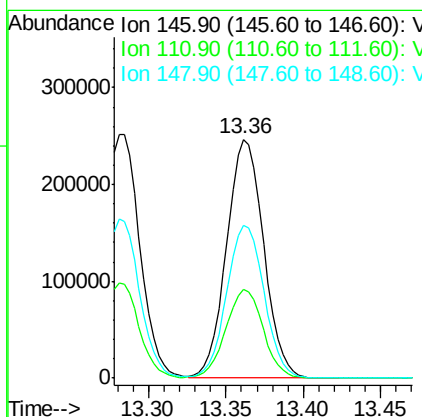
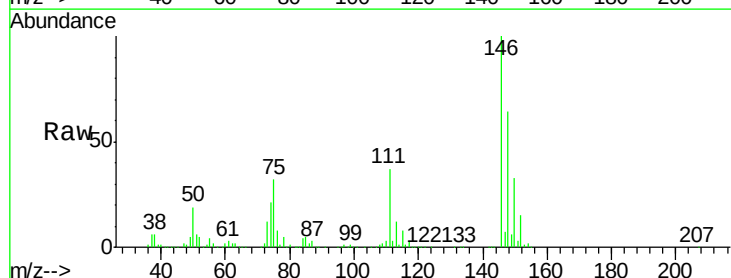
Manual Integrations
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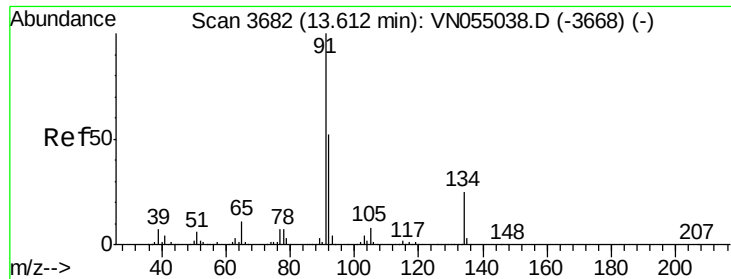
MMDadoda
 4/17/2019 1:49:17 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.622 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.4
148	64.7	32.4	97.2





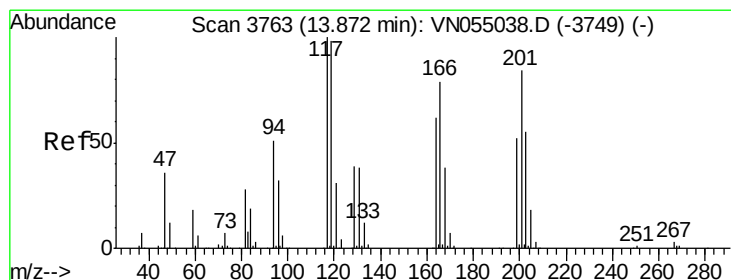
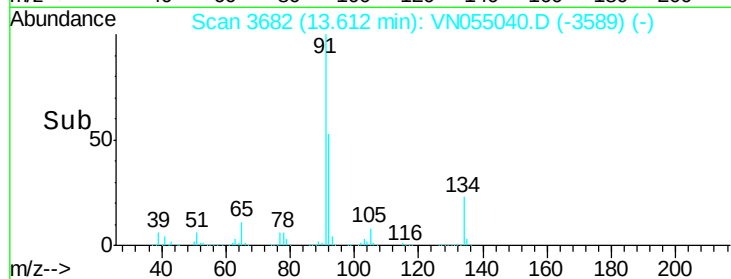
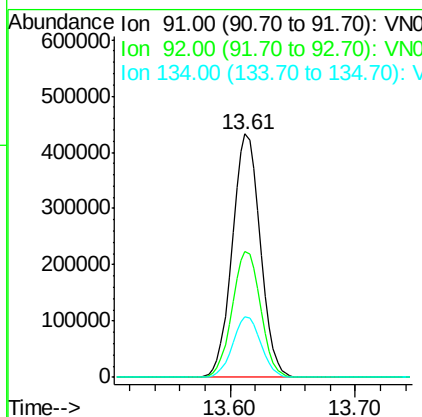
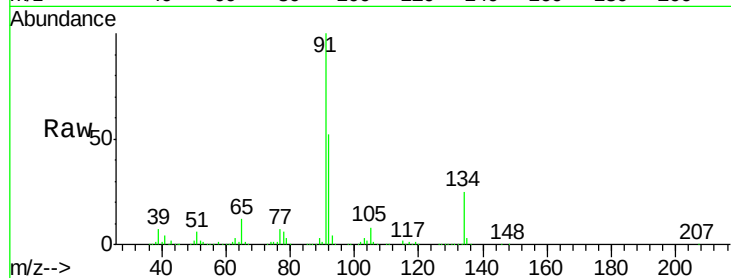
#89
n-Butylbenzene
Concen: 53.027 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041519

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.7
134	25.2	12.8	38.3

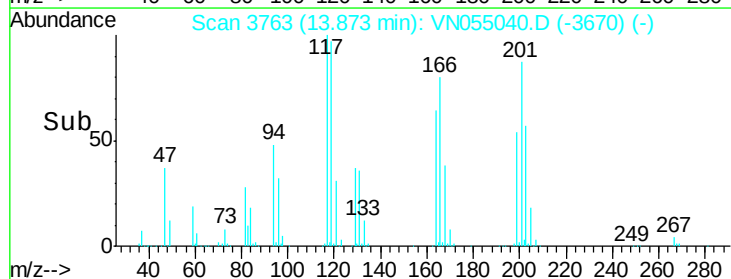
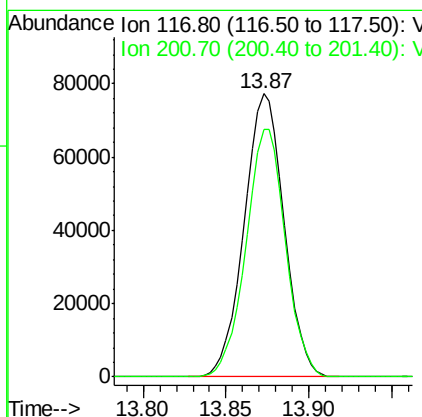
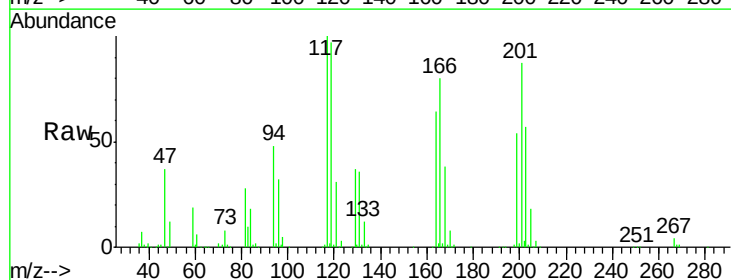
Manual Integrations
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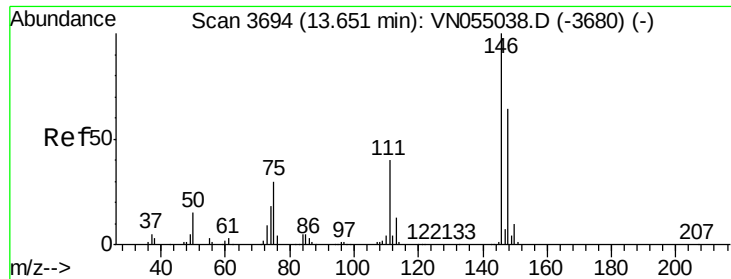
MMDadoda
4/17/2019 1:49:17 PM



#90
Hexachloroethane
Concen: 46.678 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055040.D
Acq: 15 Apr 2019 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	43.4	130.2





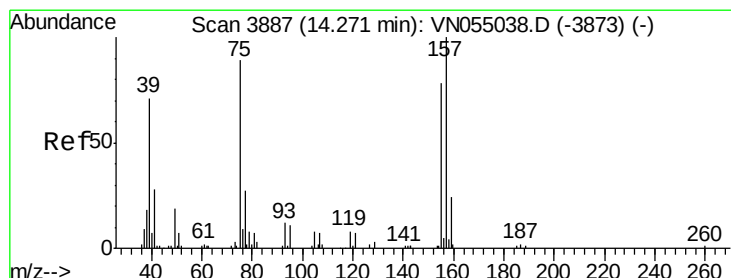
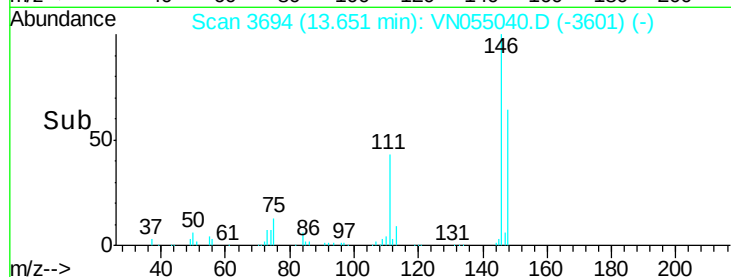
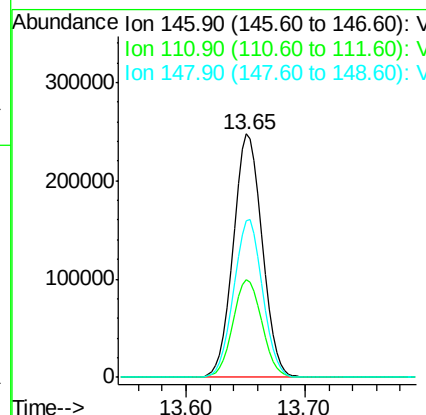
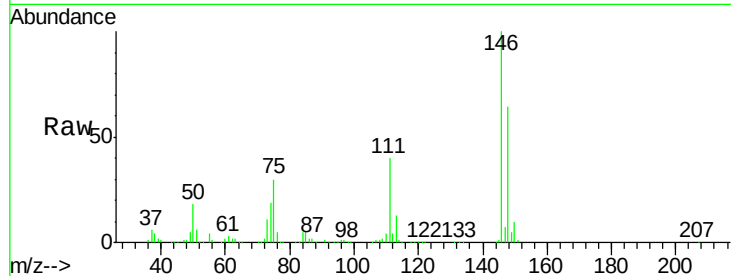
#91
 1,2-Dichlorobenzene
 Concen: 47.893 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041519

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.9
148	64.8	32.2	96.6

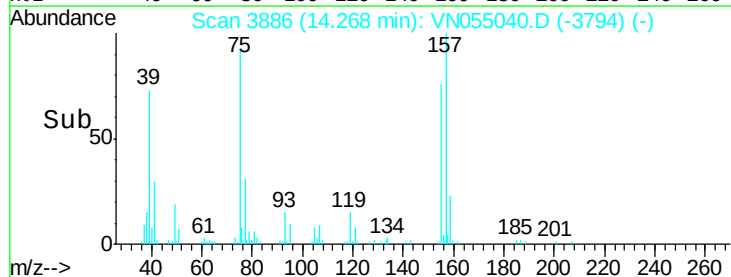
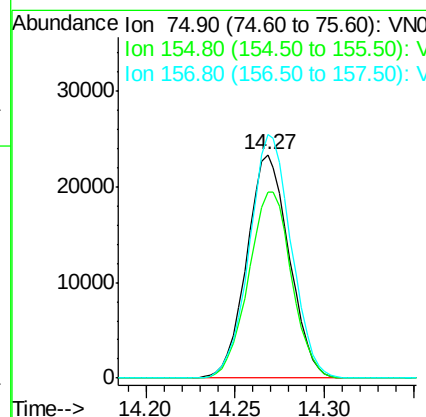
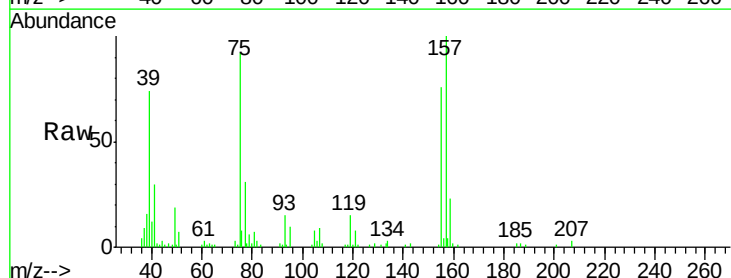
Manual Integrations
 APPROVED

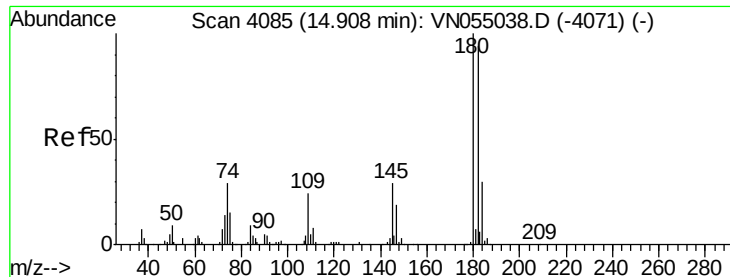
MMDadoda
 4/17/2019 1:49:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.382 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055040.D
 Acq: 15 Apr 2019 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	42.0	126.0
157	107.5	52.1	156.4





#93

1,2,4-Trichlorobenzene

Concen: 50.076 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

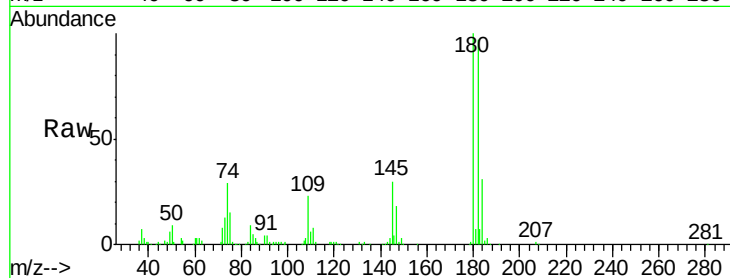
ClientSampleId :

ICVVN041519

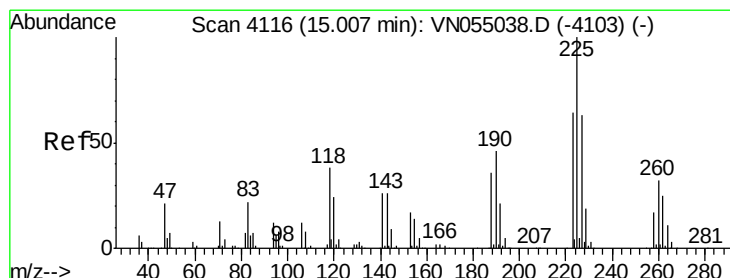
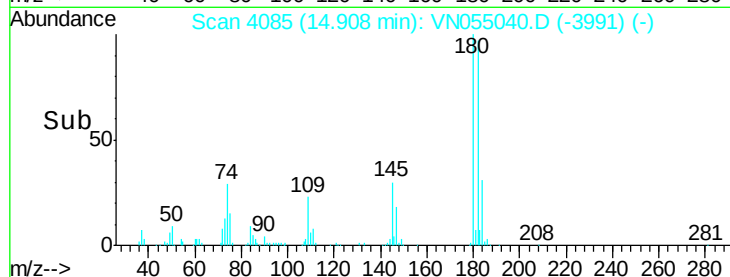
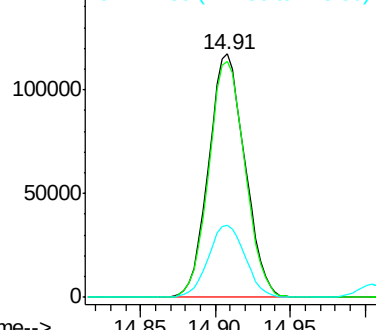
Tot Ion:	180	Resp:	197710
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.5	142.6
145	30.1	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
4/17/2019 1:49:17 PM



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



#94

Hexachlorobutadiene

Concen: 48.124 ug/l

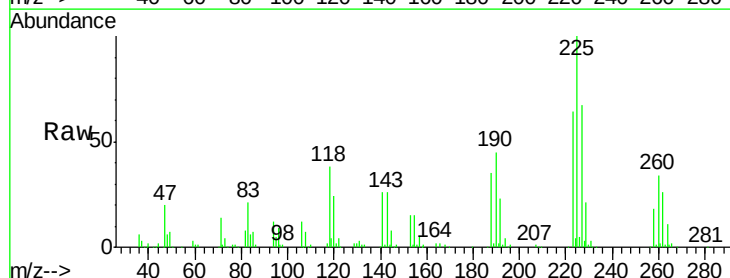
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

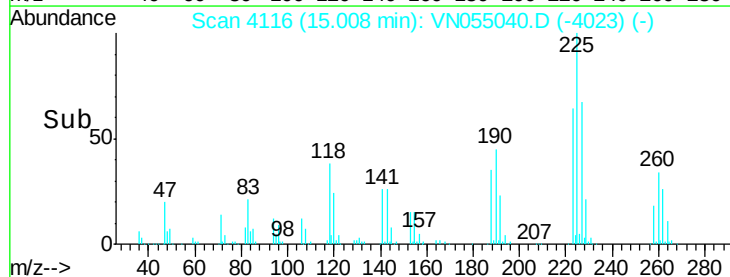
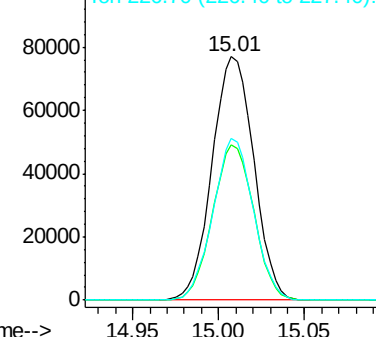
Lab File: VN055040.D

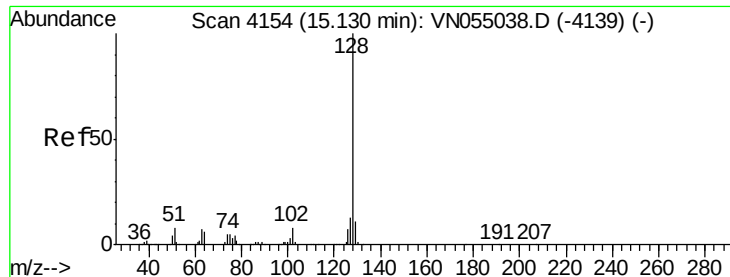
Acq: 15 Apr 2019 12:01

Tgt Ion:	225	Resp:	129451
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.4	94.0
227	64.2	32.6	97.7



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





#95

Naphthalene

Concen: 49.563 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Instrument :

MSVOA_N

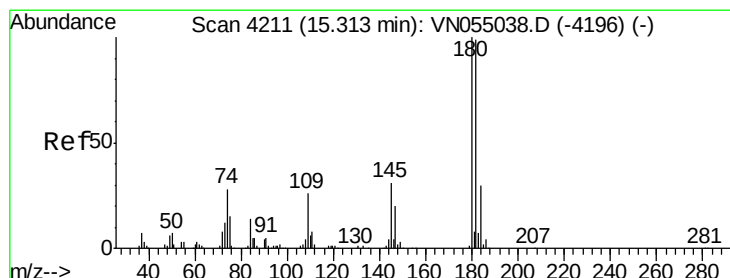
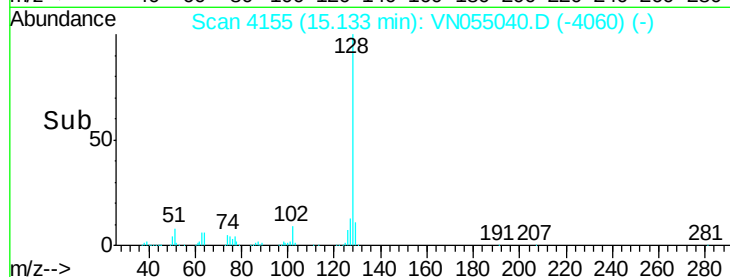
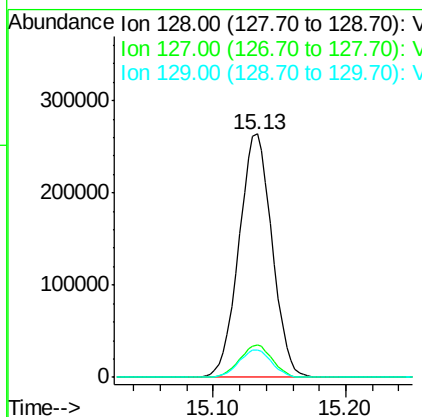
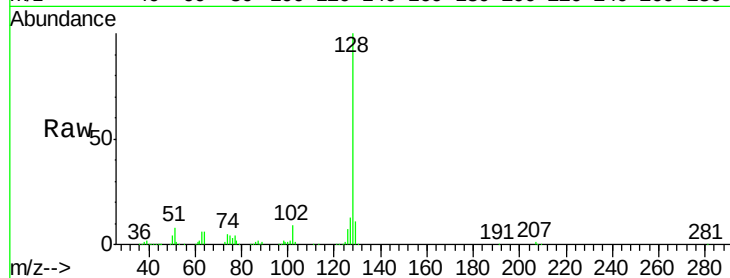
ClientSampleId :

ICVVN041519

Tot Ion:	128	Resp:	457485
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	11.3	8.8	13.2

Manual Integrations
APPROVED

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4/17/2019 1:49:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 59.863 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055040.D

Acq: 15 Apr 2019 12:01

Tgt Ion:	180	Resp:	201125
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.0	144.0
145	30.6	15.3	45.9

