

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051342.D
 Acq On : 20 Sep 2018 16:08
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:48:14 PM

Quant Time: Sep 21 06:51:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	744497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	979647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	914043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	500441	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	366313	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	
35) Dibromofluoromethane	7.59	113	367145	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
50) Toluene-d8	10.09	98	1428046	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
62) 4-Bromofluorobenzene	12.40	95	491716	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	281784	45.292	ug/l	97
3) Chloromethane	2.06	50	361684	40.977	ug/l	98
4) Vinyl Chloride	2.18	62	407289	46.443	ug/l	99
5) Bromomethane	2.57	94	295268	48.270	ug/l	97
6) Chloroethane	2.70	64	253509	47.038	ug/l	99
7) Trichlorofluoromethane	3.01	101	589581	47.026	ug/l	99
8) Diethyl Ether	3.41	74	195111	48.639	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	361260	46.961	ug/l	100
10) Methyl Iodide	3.95	142	570327	50.094	ug/l	99
11) Tert butyl alcohol	4.79	59	101635	237.575	ug/l	99
12) 1,1-Dichloroethene	3.74	96	335192	48.132	ug/l	99
13) Acrolein	3.61	56	114658	234.170	ug/l	100
14) Allyl chloride	4.32	41	485954	49.508	ug/l	99
15) Acrylonitrile	4.99	53	517572	238.735	ug/l	99
16) Acetone	3.82	43	333535	201.212	ug/l	99
17) Carbon Disulfide	4.05	76	1002721	47.786	ug/l	100
18) Methyl Acetate	4.32	43	229094	40.220	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	859824	51.015	ug/l	99
20) Methylene Chloride	4.55	84	375716	45.297	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	364771	49.594	ug/l	98
22) Diisopropyl ether	5.95	45	979082	50.496	ug/l	99
23) Vinyl Acetate	5.90	43	3216066	256.433	ug/l	100
24) 1,1-Dichloroethane	5.85	63	630412	47.697	ug/l	99
25) 2-Butanone	6.83	43	541621	234.922	ug/l	98
26) 2,2-Dichloropropane	6.82	77	533574	48.857	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	405119	49.706	ug/l	99
28) Bromochloromethane	7.19	49	270377	49.358	ug/l	98
29) Tetrahydrofuran	7.21	42	350811	240.176	ug/l	99
30) Chloroform	7.37	83	645545	46.475	ug/l	99
31) Cyclohexane	7.65	56	573403	44.094	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	571033	47.715	ug/l	99
36) 1,1-Dichloropropene	7.79	75	506671	50.562	ug/l	100
37) Ethyl Acetate	6.93	43	250553	50.505	ug/l	98
38) Carbon Tetrachloride	7.77	117	531776	49.055	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	643786	55.049	ug/l	99
40) Benzene	8.04	78	1493034	49.449	ug/l	99
41) Methacrylonitrile	7.17	41	126853	49.084	ug/l	96
42) 1,2-Dichloroethane	8.12	62	434709	47.661	ug/l	99
43) Isopropyl Acetate	8.16	43	446864	51.434	ug/l	99
44) Trichloroethene	8.83	130	432096	49.853	ug/l	99
45) 1,2-Dichloropropane	9.12	63	382931	49.562	ug/l	100
46) Dibromomethane	9.21	93	231193	48.541	ug/l	100
47) Bromodichloromethane	9.40	83	498783	49.096	ug/l	98
48) Methyl methacrylate	9.20	41	225692	50.955	ug/l	98
49) 1,4-Dioxane	9.20	88	66168	1010.182	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1205518	257.955	ug/l	100
52) Toluene	10.16	92	964840	51.896	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	514073	52.702	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	593258	52.527	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	334032	47.900	ug/l	99
56) Ethyl methacrylate	10.43	69	397424	53.956	ug/l	99
57) 1,3-Dichloropropane	10.71	76	548450	49.929	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1016482	280.672	ug/l	99
59) 2-Hexanone	10.75	43	812081	257.746	ug/l	99
60) Dibromochloromethane	10.90	129	404629	49.756	ug/l	99
61) 1,2-Dibromoethane	11.01	107	333368	49.724	ug/l	99
64) Tetrachloroethene	10.63	164	398350	49.976	ug/l	97
65) Chlorobenzene	11.43	112	1105375	50.618	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	409760	49.289	ug/l	100
67) Ethyl Benzene	11.51	91	1841201	53.896	ug/l	100
68) m/p-Xylenes	11.62	106	1479957	110.269	ug/l	100
69) o-Xylene	11.95	106	707402	54.675	ug/l	99
70) Styrene	11.96	104	1138725	56.702	ug/l	99
71) Bromoform	12.13	173	286971	50.862	ug/l #	100
73) Isopropylbenzene	12.25	105	1883789	51.362	ug/l	100
74) N-amyl acetate	12.07	43	393494	50.148	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	395368	43.680	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	336341m	46.541	ug/l	
77) Bromobenzene	12.53	156	490205	48.375	ug/l	100
78) n-propylbenzene	12.59	91	2113535	52.858	ug/l	100
79) 2-Chlorotoluene	12.67	91	1238639	50.266	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1593480	53.593	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112870	54.070	ug/l	94
82) 4-Chlorotoluene	12.77	91	1253499	52.336	ug/l	100
83) tert-Butylbenzene	12.99	119	1415663	53.194	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1596067	54.084	ug/l	99
85) sec-Butylbenzene	13.17	105	1917015	54.166	ug/l	99
86) p-Isopropyltoluene	13.29	119	1723778	55.965	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	864341	50.745	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	840192	50.885	ug/l	100
89) n-Butylbenzene	13.61	91	1367560	57.116	ug/l	99
90) Hexachloroethane	13.87	117	304894	46.222	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	818298	49.731	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	55906	46.634	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	467907	62.032	ug/l	99
94) Hexachlorobutadiene	15.01	225	331462	51.907	ug/l	99
95) Naphthalene	15.13	128	831456	62.531	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	456432	60.819	ug/l	99

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

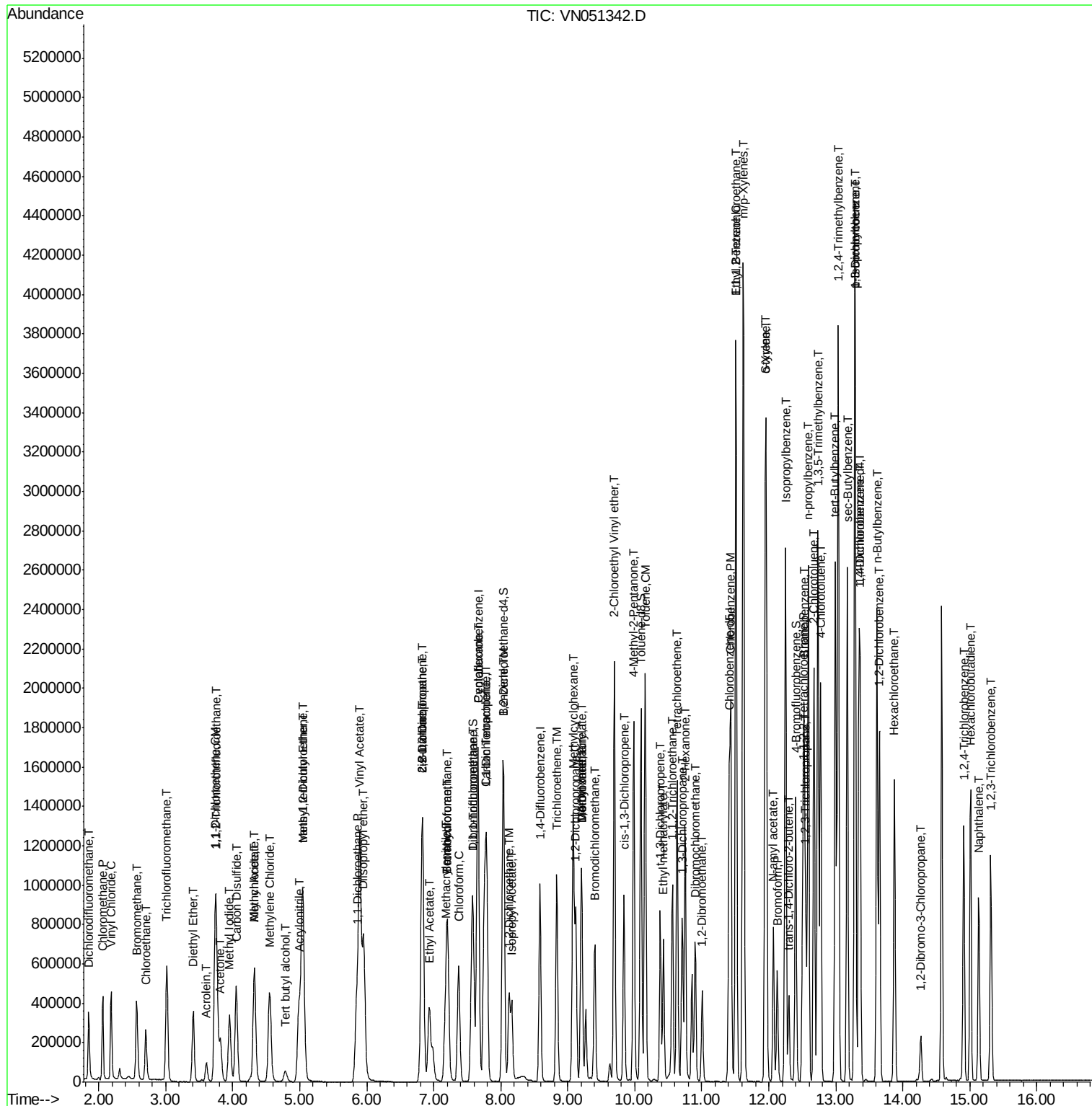
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
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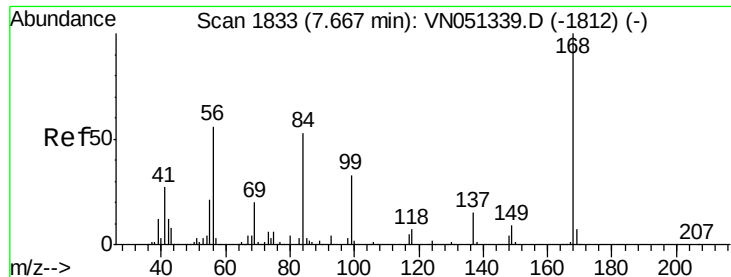
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

Tot Ion:168 Resp: 744497

Ion Ratio Lower Upper

168 100

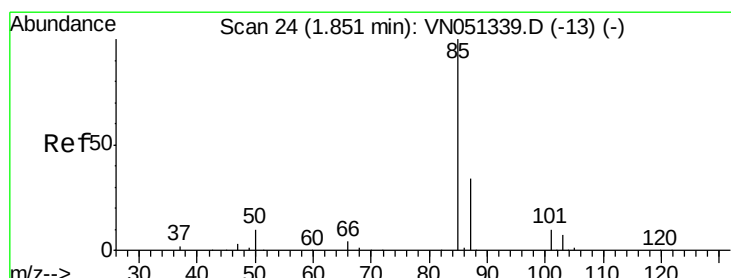
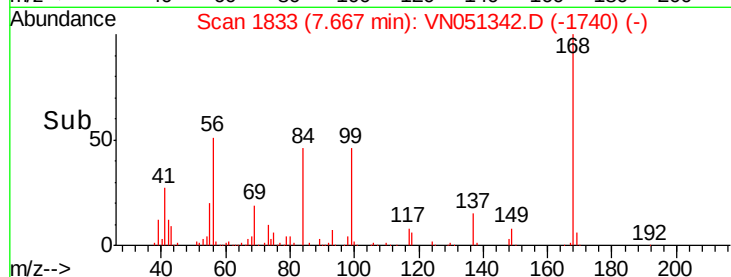
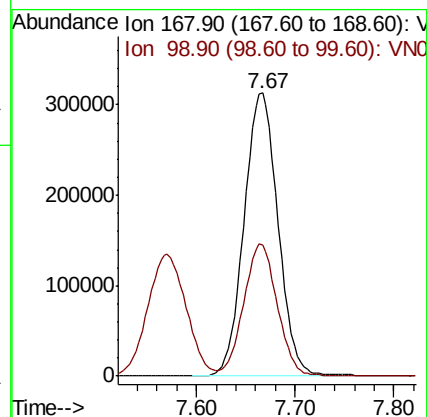
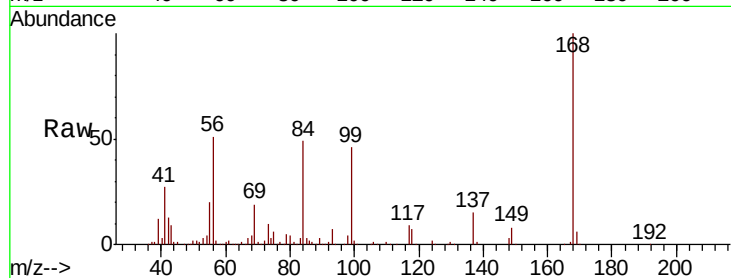
99 46.1 37.1 55.7

Manual Integrations

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9/24/2018 2:48:14 PM



#2

Dichlorodifluoromethane

Concen: 45.292 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051342.D

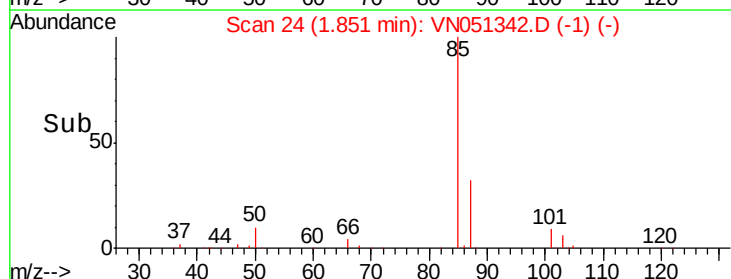
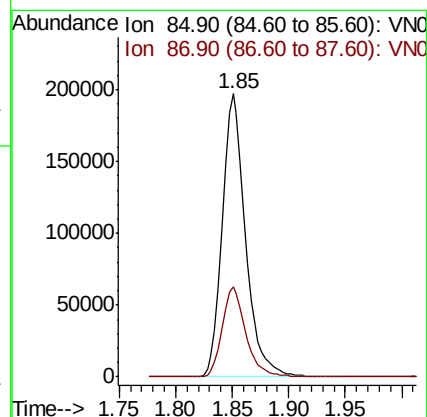
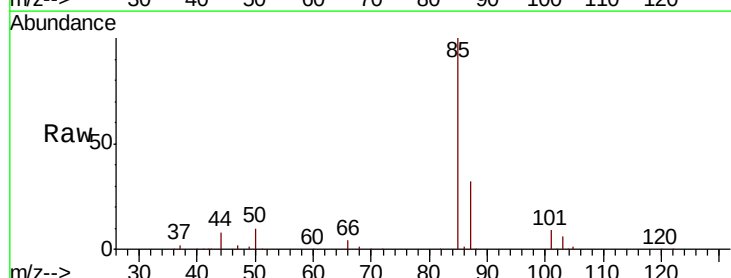
Acq: 20 Sep 2018 16:08

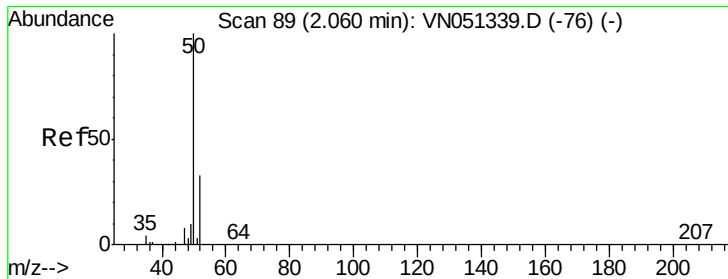
Tgt Ion: 85 Resp: 281784

Ion Ratio Lower Upper

85 100

87 31.9 16.8 50.4





#3

Chloromethane

Concen: 40.977 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampled :

ICVVN092018

Tot Ion: 50 Resp: 361684

Ion Ratio Lower Upper

50 100

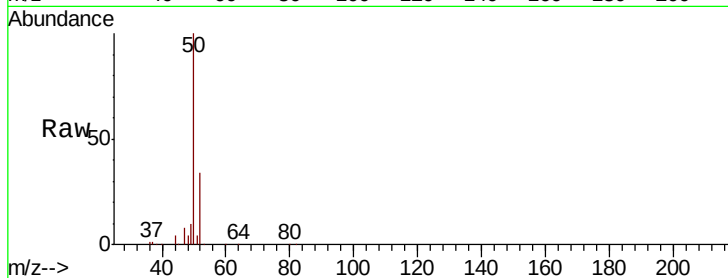
52 34.4 26.7 40.1

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

2.06

250000

200000

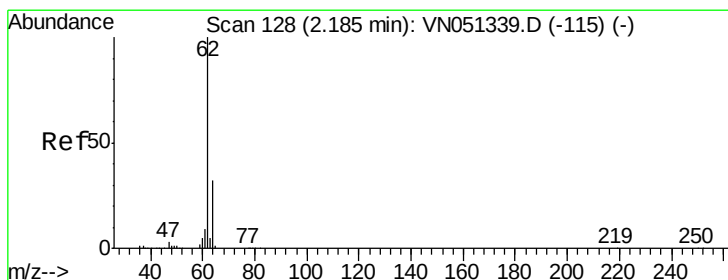
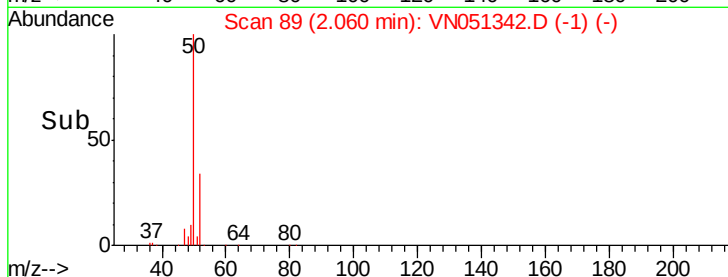
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.443 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051342.D

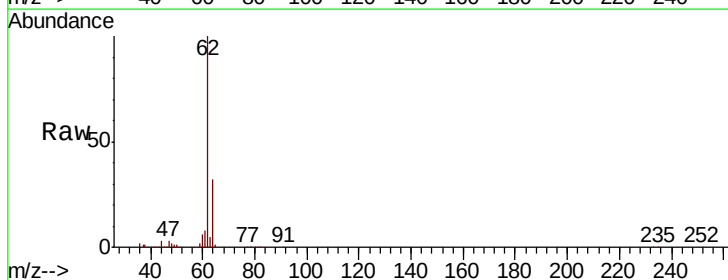
Acq: 20 Sep 2018 16:08

Tgt Ion: 62 Resp: 407289

Ion Ratio Lower Upper

62 100

64 32.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

300000

250000

200000

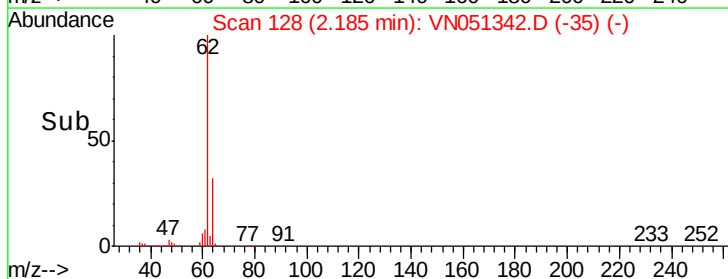
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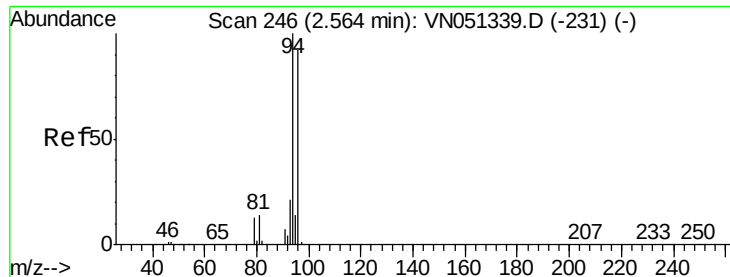
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.270 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

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ICVVN092018

Tot Ion: 94 Resp: 295268

Ion Ratio Lower Upper

94 100

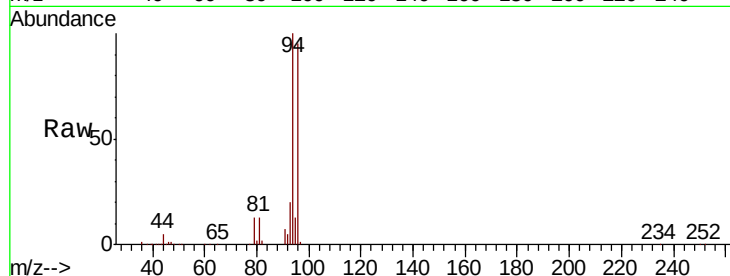
96 95.1 73.8 110.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

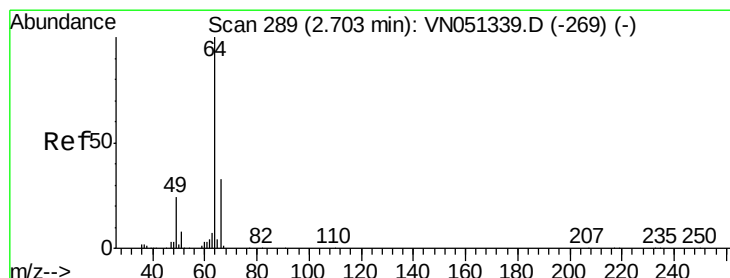
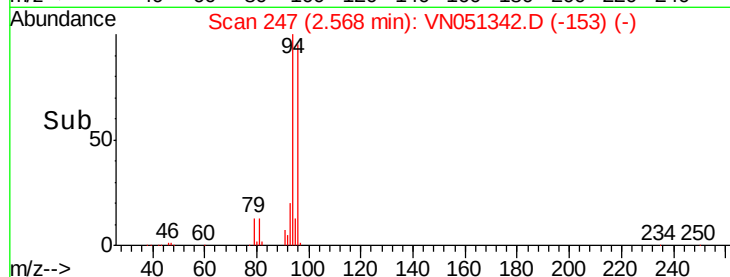
100000

50000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 47.038 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051342.D

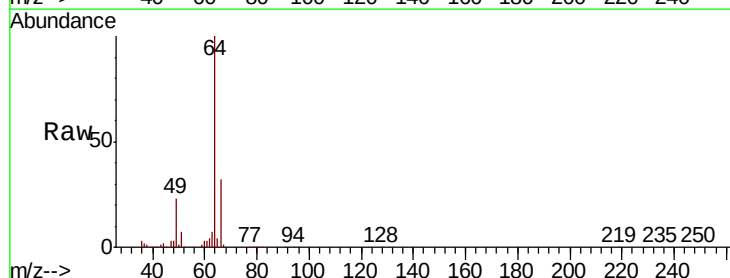
Acq: 20 Sep 2018 16:08

Tgt Ion: 64 Resp: 253509

Ion Ratio Lower Upper

64 100

66 32.5 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150000

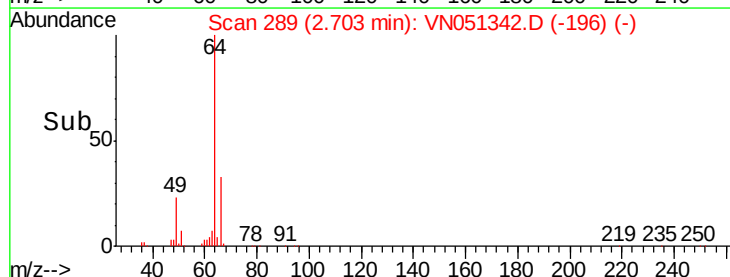
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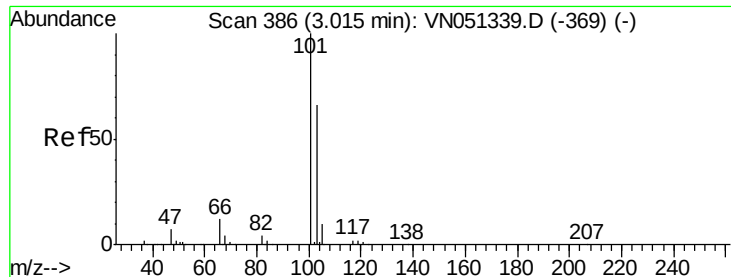
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2.60 2.65 2.70 2.75 2.80

Time-->





#7

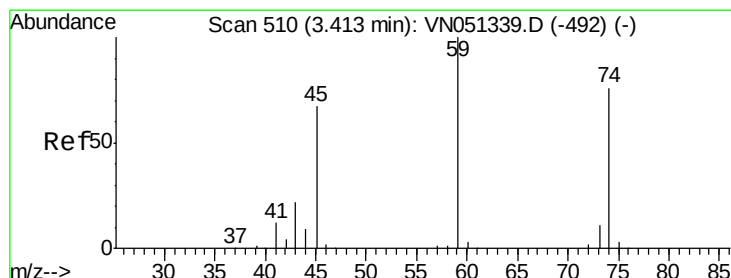
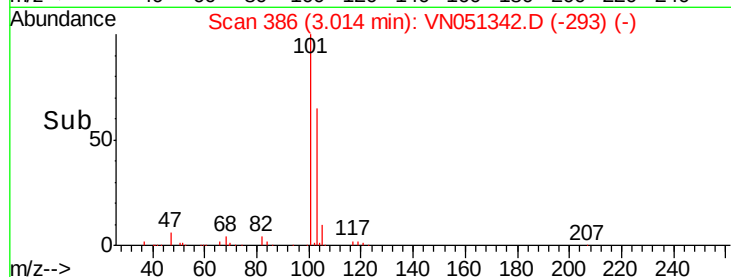
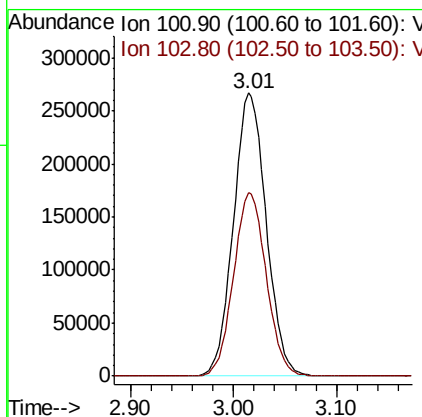
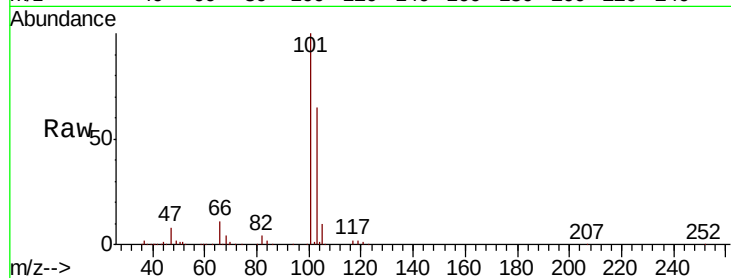
Trichlorofluoromethane
 Concen: 47.026 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.7	79.1

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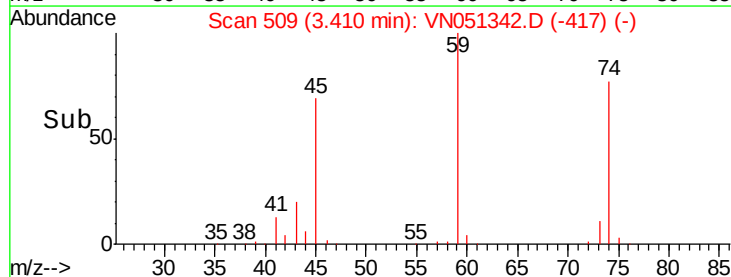
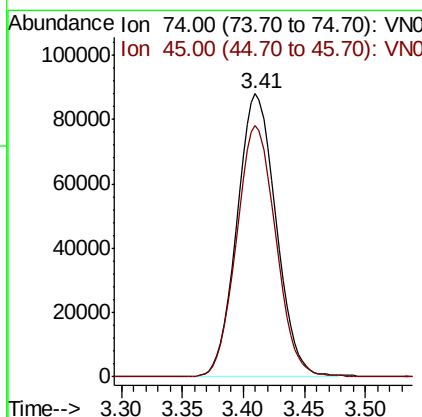
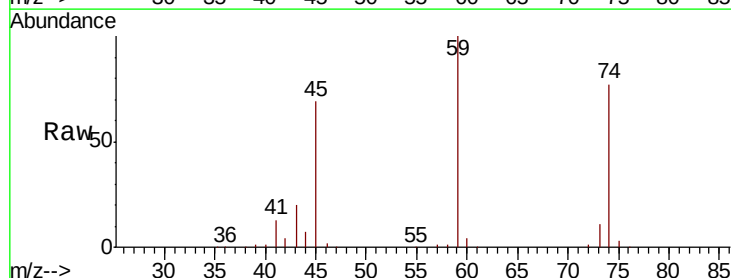
MMDadoda
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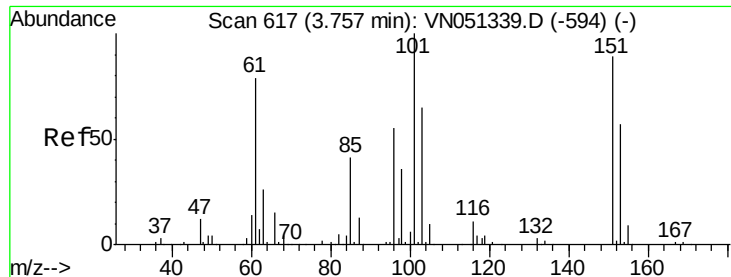


#8

Diethyl Ether
 Concen: 48.639 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.8	44.1	132.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.961 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

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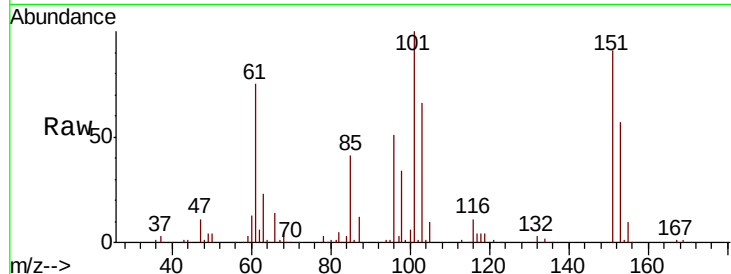
ClientSampleId :

ICVVN092018

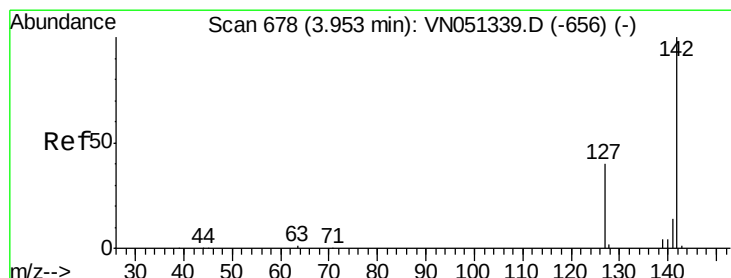
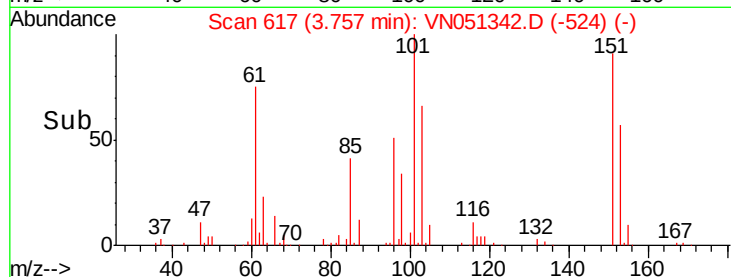
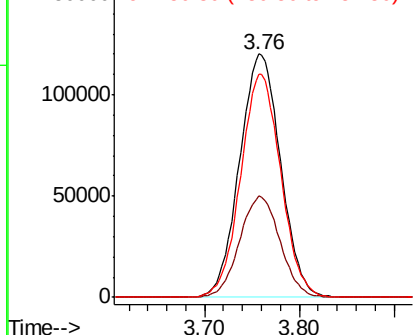
Tot Ion:	101	Resp:	361260
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.4	50.2
151	89.8	71.8	107.6

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



#10

Methyl Iodide

Concen: 50.094 ug/l

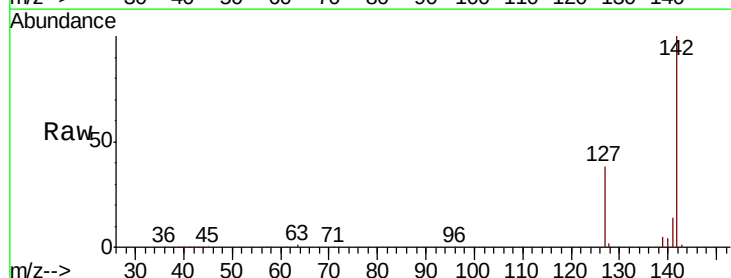
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

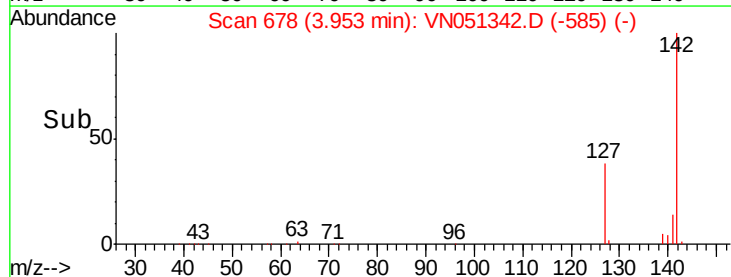
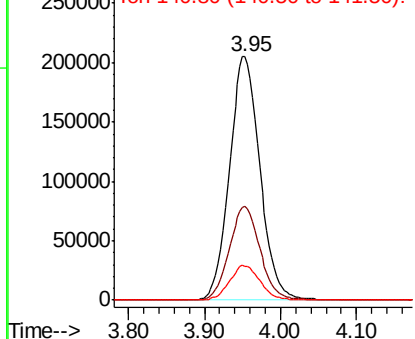
Lab File: VN051342.D

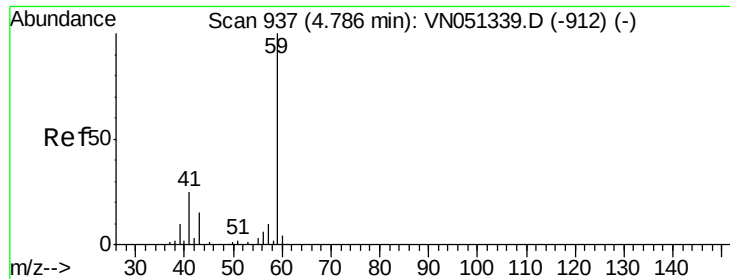
Acq: 20 Sep 2018 16:08

Tgt Ion:	142	Resp:	570327
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.9	47.9
141	14.2	11.4	17.0



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





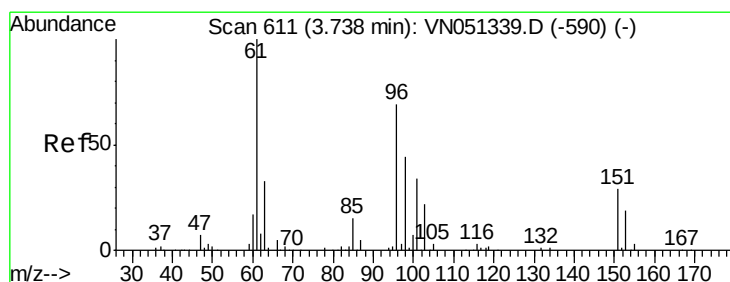
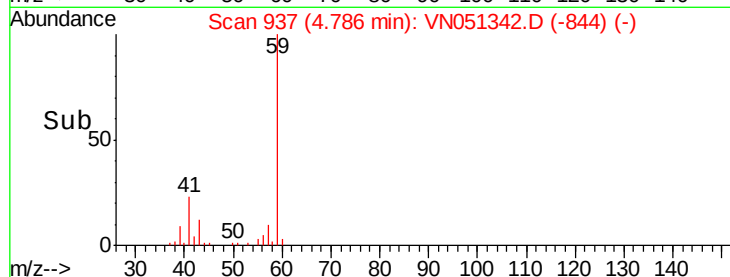
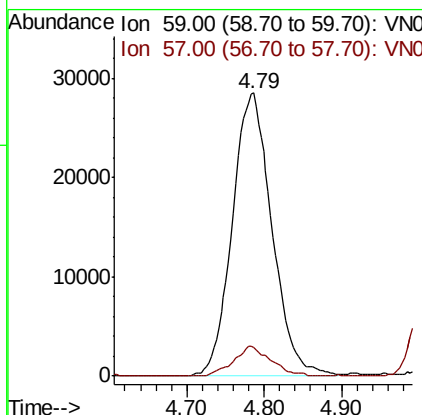
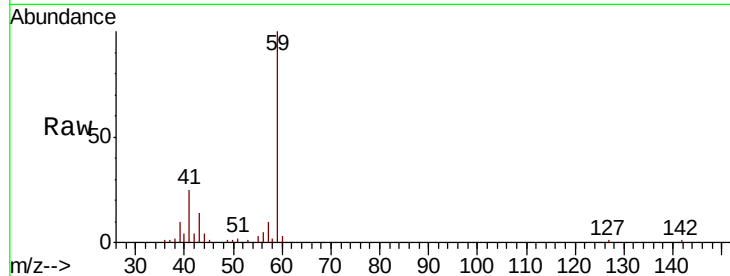
#11
Tert butyl alcohol
Concen: 237.575 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampled :
ICVVN092018

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

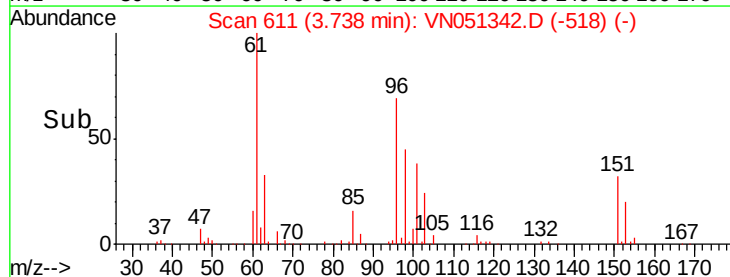
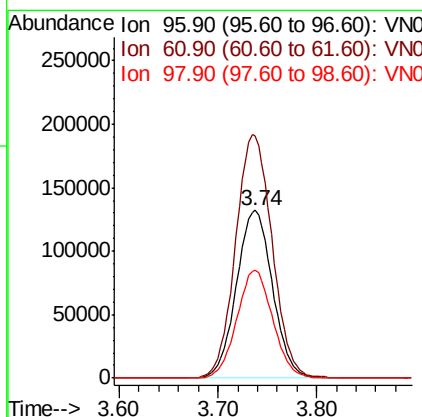
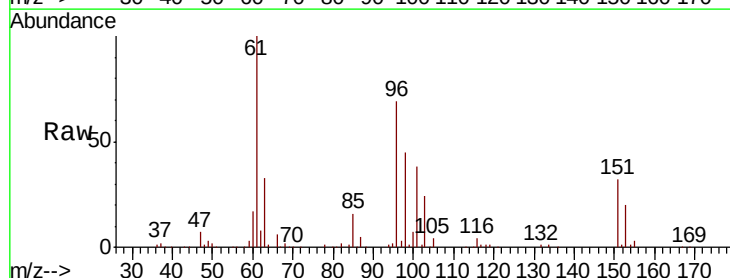
Manual Integrations
APPROVED

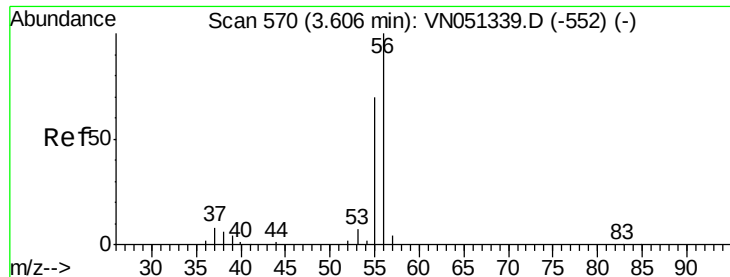
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.132 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.1	116.4	174.6
98	64.4	50.9	76.3





#13

Acrolein

Concen: 234.170 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

Tot Ion: 56 Resp: 114658

Ion Ratio Lower Upper

56 100

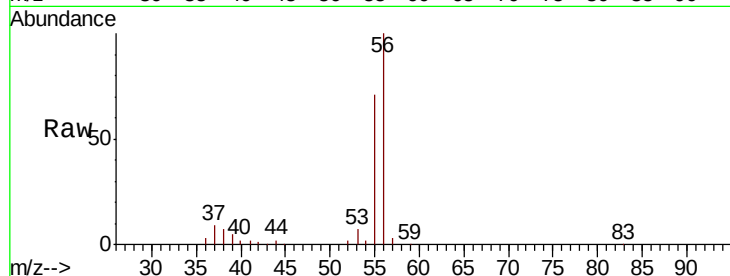
55 70.5 56.5 84.7

Manual Integrations

APPROVED

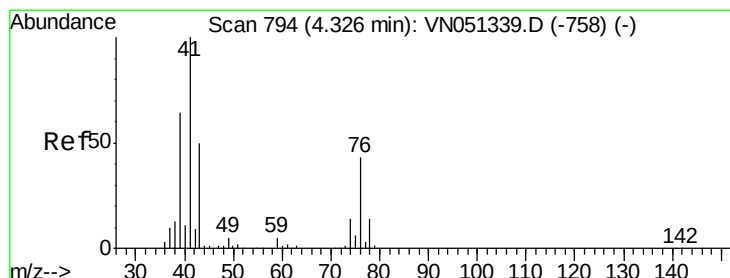
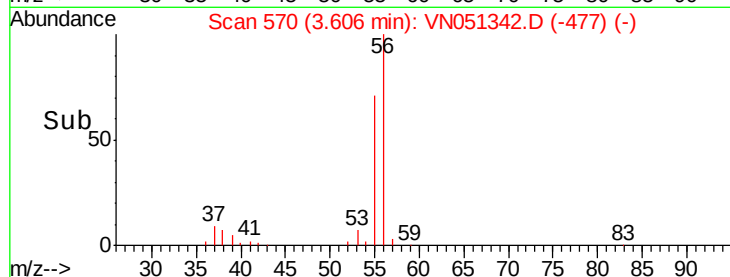
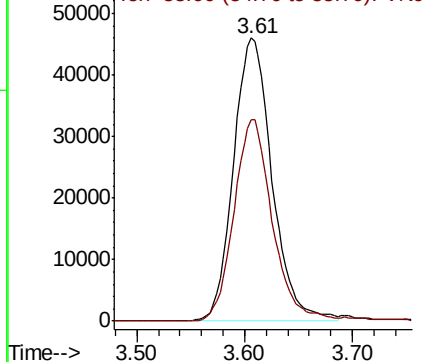
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.508 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

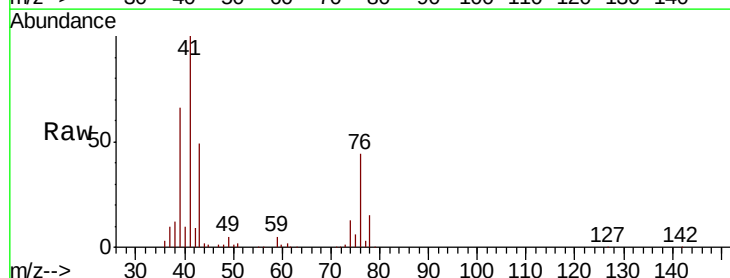
Tgt Ion: 41 Resp: 485954

Ion Ratio Lower Upper

41 100

39 62.2 50.4 75.6

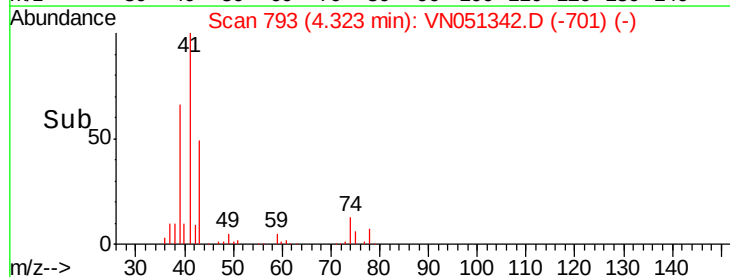
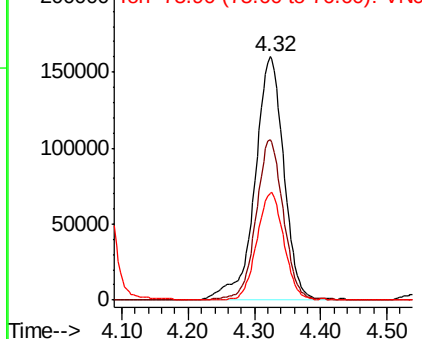
76 40.6 32.4 48.6

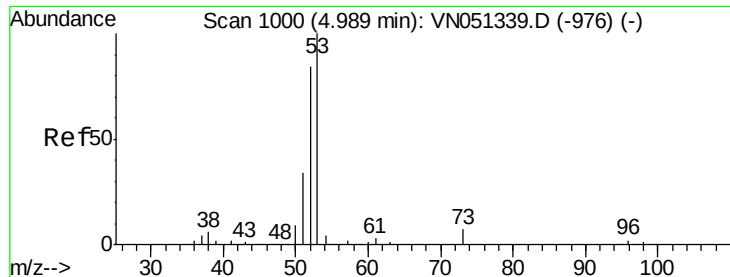


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





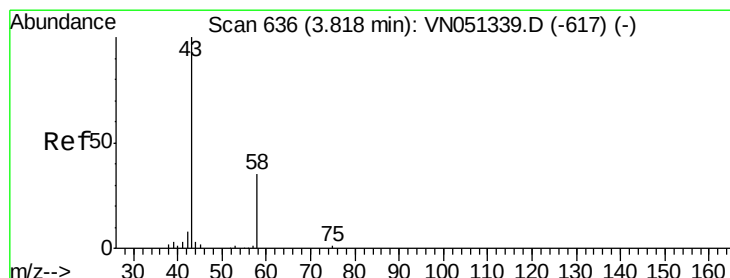
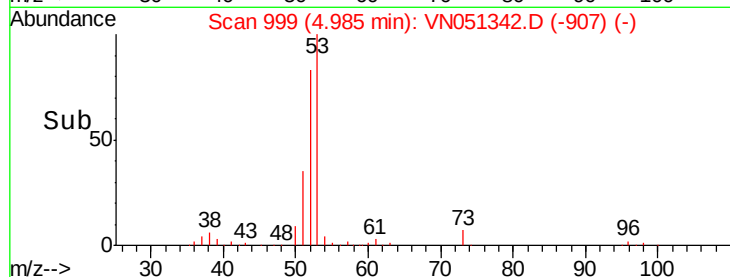
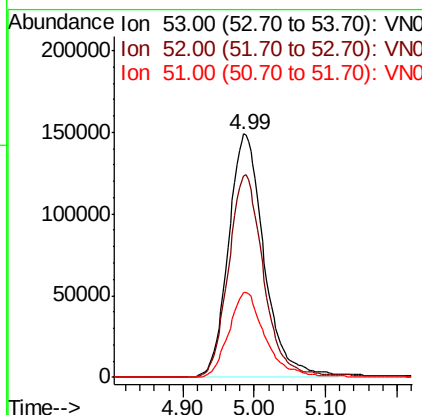
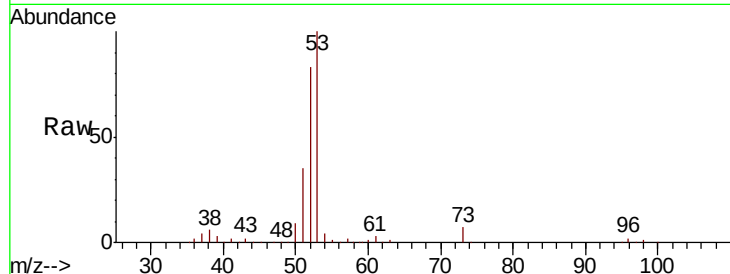
#15
 Acrylonitrile
 Concen: 238.735 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

Tot Ion:	53	Resp:	517572
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.4	98.0
51	35.8	28.3	42.5

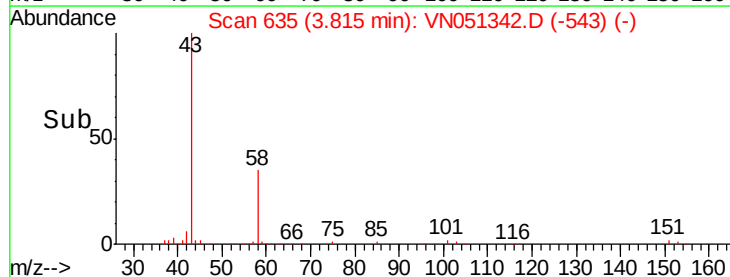
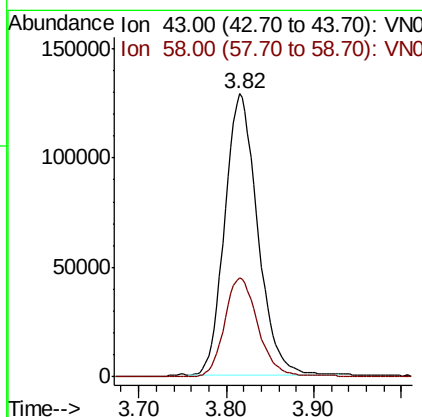
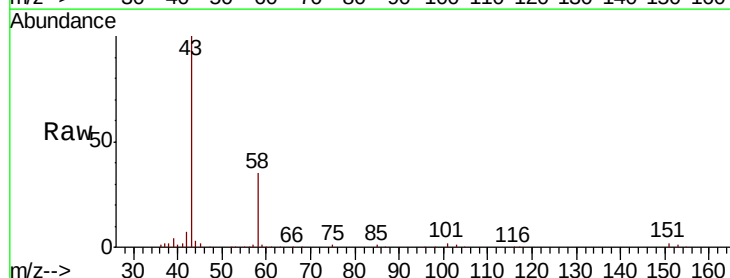
Manual Integrations
 APPROVED

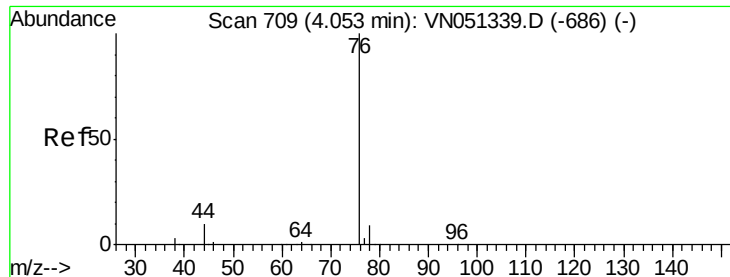
MMDadoda
 9/24/2018 2:48:14 PM



#16
 Acetone
 Concen: 201.212 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion:	43	Resp:	333535
Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.3	42.5





#17

Carbon Disulfide

Concen: 47.786 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

Tot Ion: 76 Resp: 1002721

Ion Ratio Lower Upper

76 100

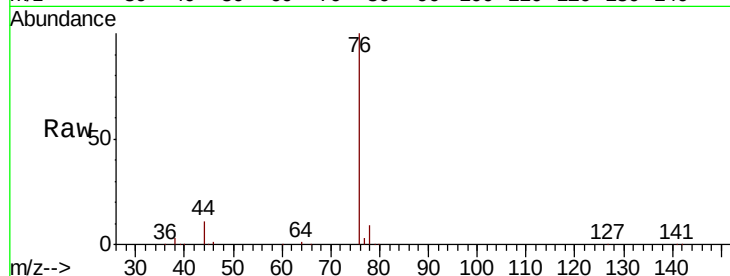
78 9.0 7.0 10.6

Manual Integrations

APPROVED

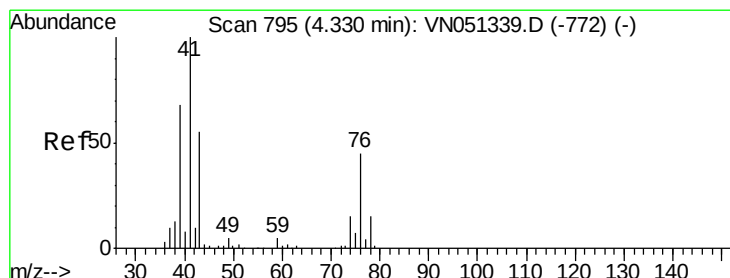
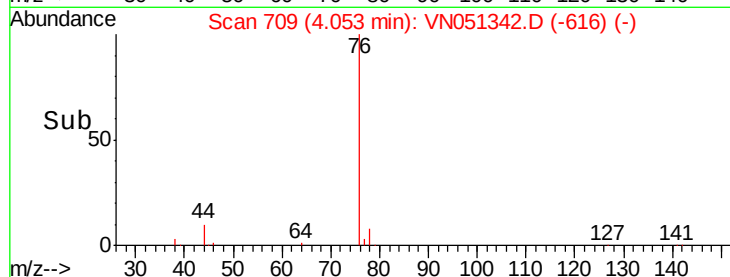
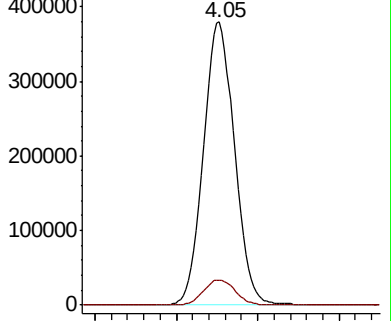
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 40.220 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN051342.D

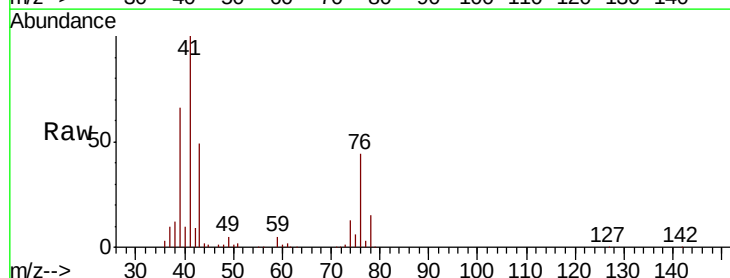
Acq: 20 Sep 2018 16:08

Tgt Ion: 43 Resp: 229094

Ion Ratio Lower Upper

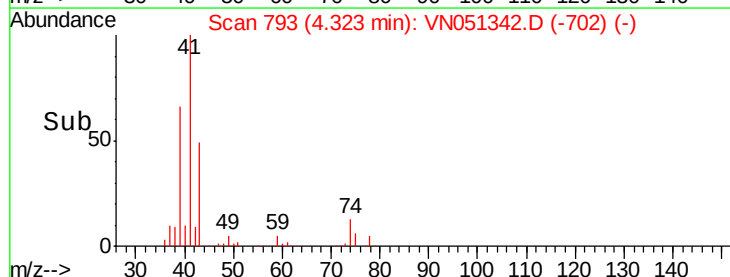
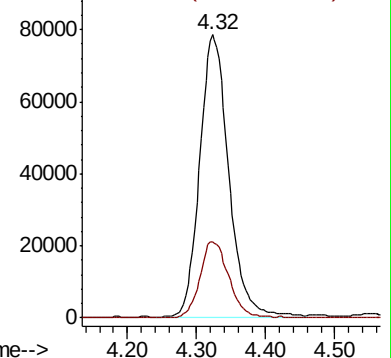
43 100

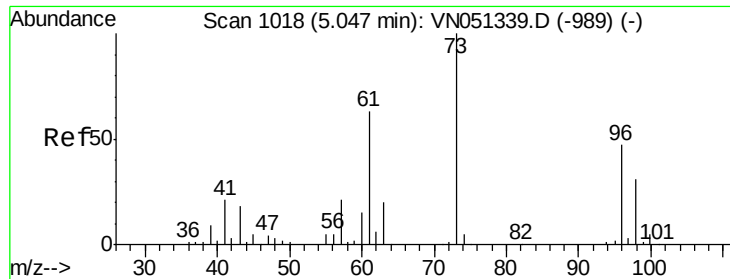
74 26.9 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





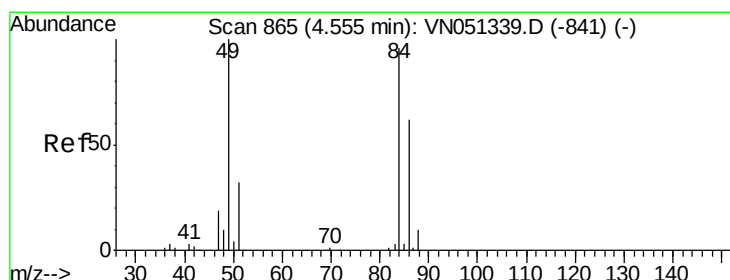
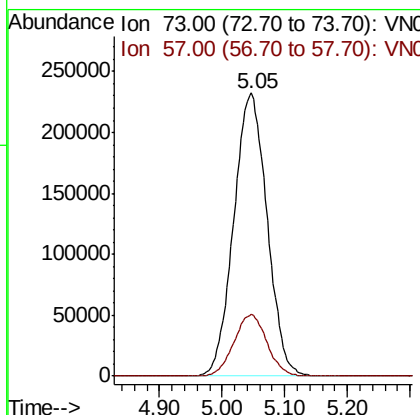
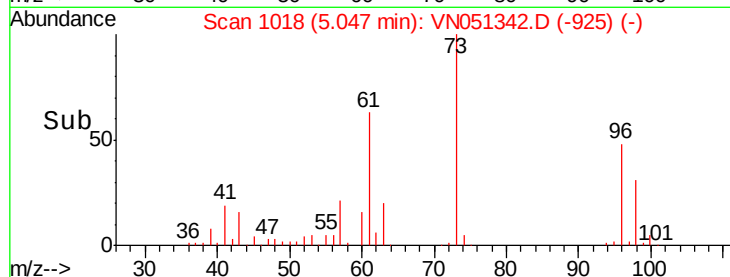
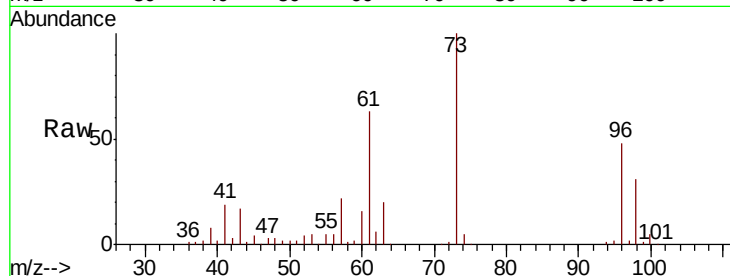
#19
Methyl tert-butyl Ether
Concen: 51.015 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampled :
ICVVN092018

Tot Ion: 73 Resp: 859824
Ion Ratio Lower Upper
73 100
57 21.7 16.9 25.3

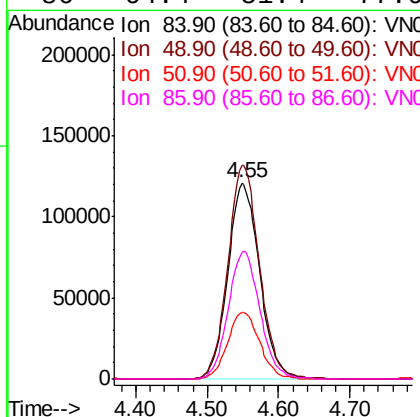
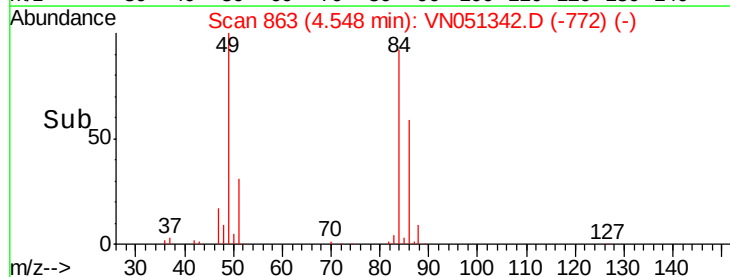
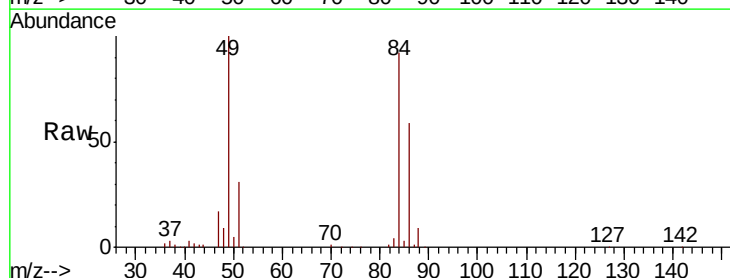
Manual Integrations
APPROVED

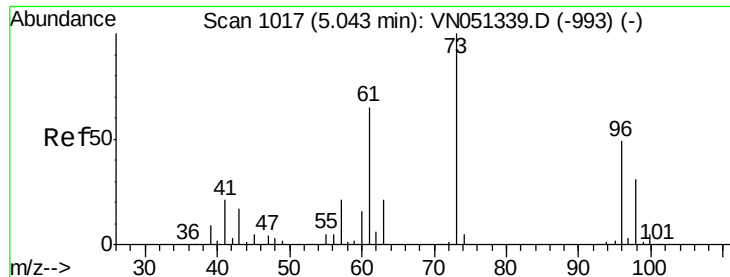
MMDadoda
9/24/2018 2:48:14 PM



#20
Methylene Chloride
Concen: 45.297 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 84 Resp: 375716
Ion Ratio Lower Upper
84 100
49 108.8 83.2 124.8
51 33.7 26.4 39.6
86 64.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.594 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

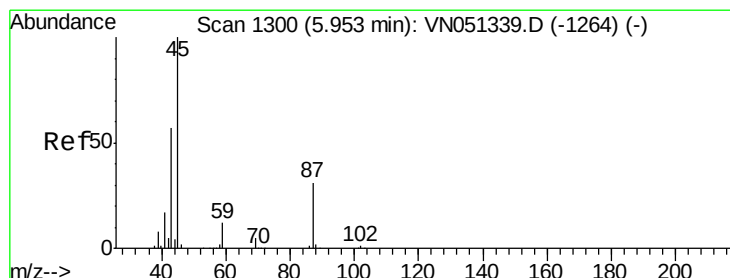
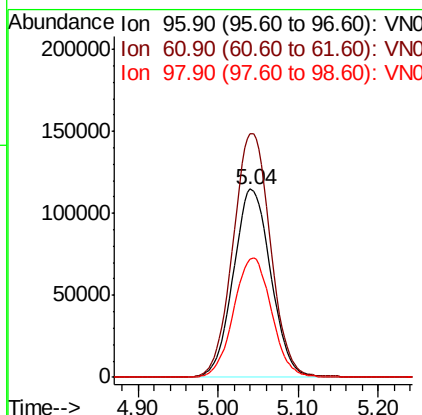
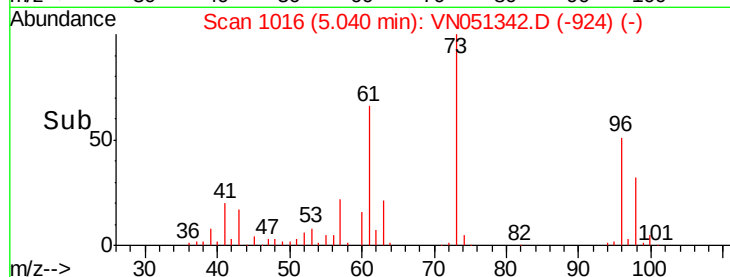
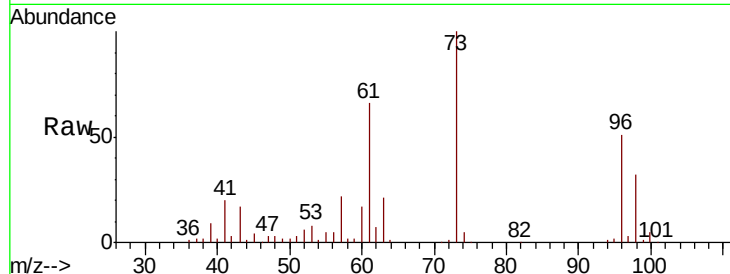
ClientSampleId :

ICVVN092018

Tot Ion:	96	Resp:	364771
Ion	Ratio	Lower	Upper
96	100		
61	129.2	106.2	159.4
98	63.0	51.0	76.6

Manual Integrations
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9/24/2018 2:48:14 PM



#22

Diisopropyl ether

Concen: 50.496 ug/l

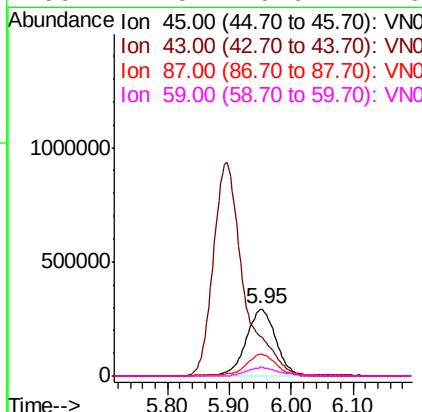
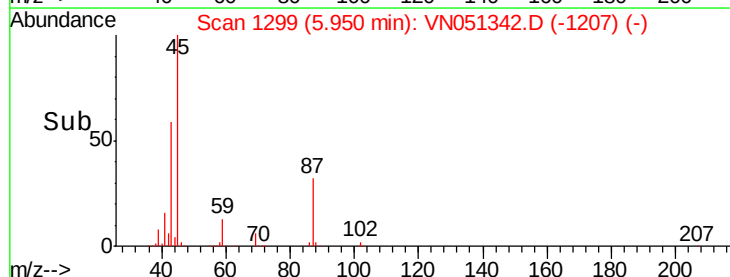
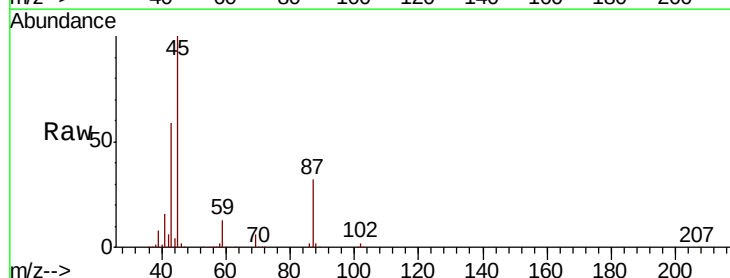
RT: 5.95 min Scan# 1299

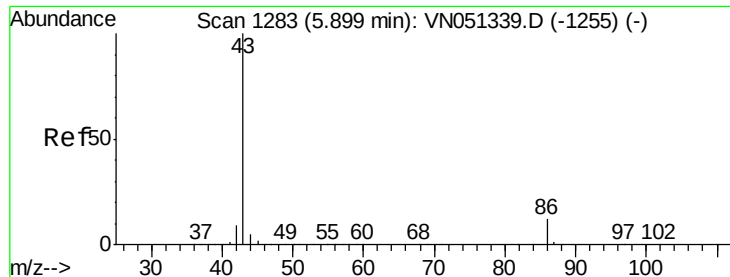
Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Tgt Ion:	45	Resp:	979082
Ion	Ratio	Lower	Upper
45	100		
43	58.3	46.1	69.1
87	32.2	25.6	38.4
59	12.5	9.9	14.9





#23

Vinyl Acetate

Concen: 256.433 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

Tot Ion: 43 Resp: 3216066

Ion Ratio Lower Upper

43 100

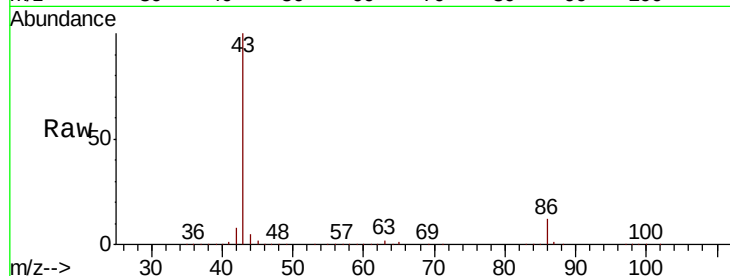
86 12.4 9.8 14.6

Manual Integrations

APPROVED

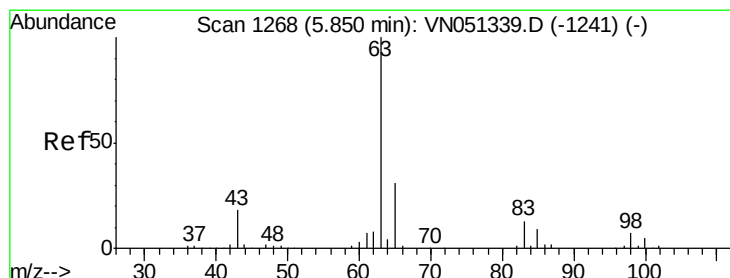
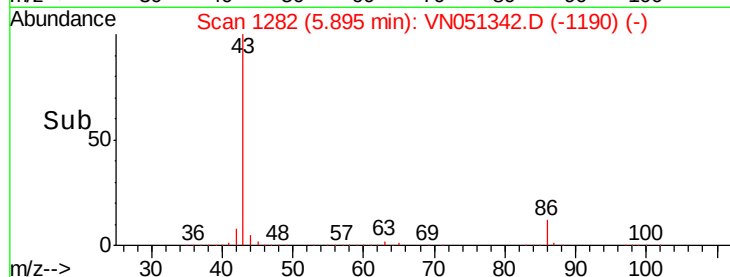
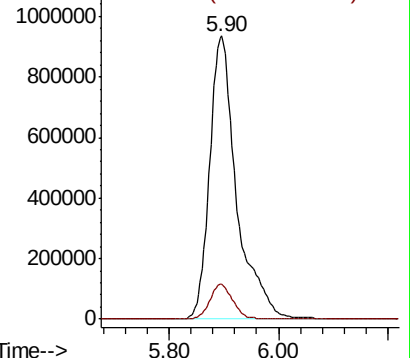
MMDadoda

9/24/2018 2:48:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.697 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

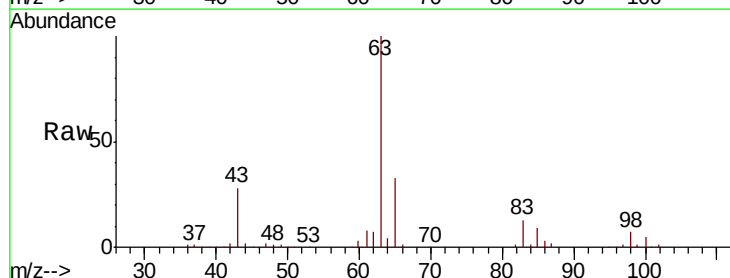
Tgt Ion: 63 Resp: 630412

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

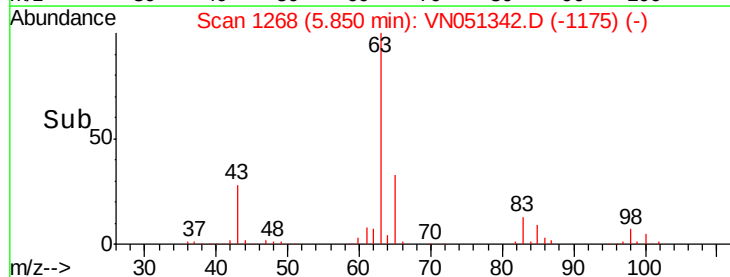
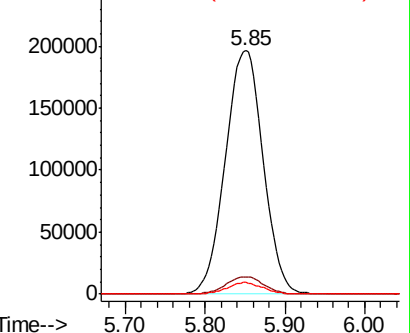
100 4.9 2.3 6.9

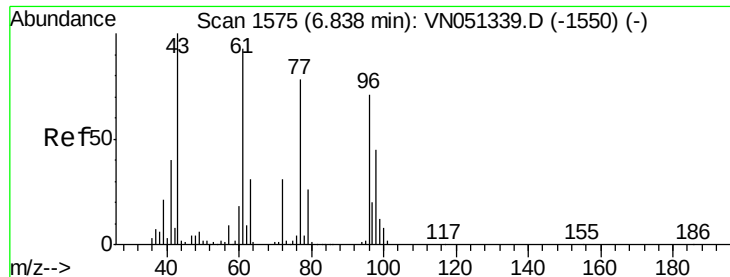


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 234.922 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampled :

ICVVN092018

Tot Ion: 43 Resp: 541621

Ion Ratio Lower Upper

43 100

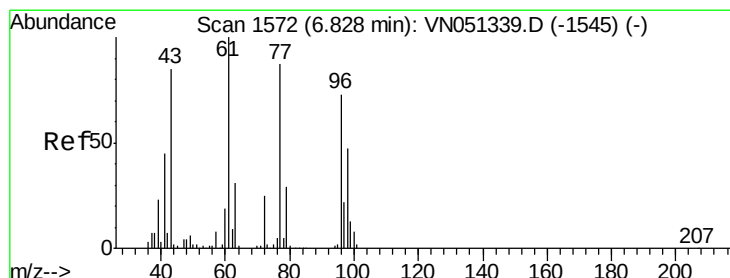
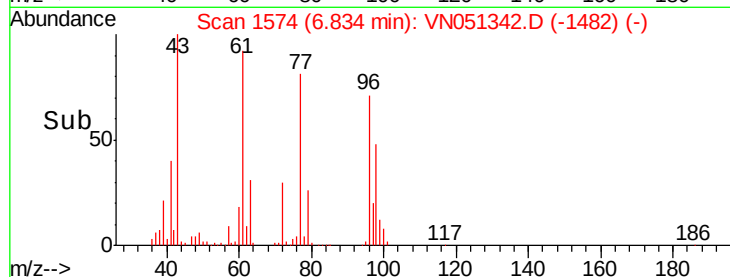
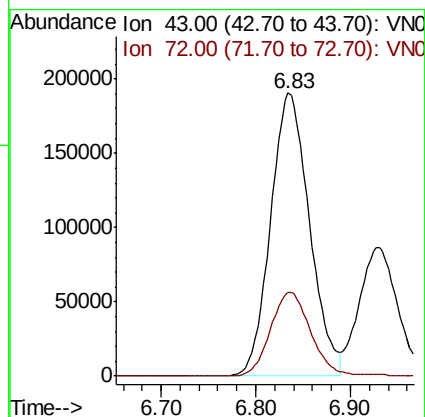
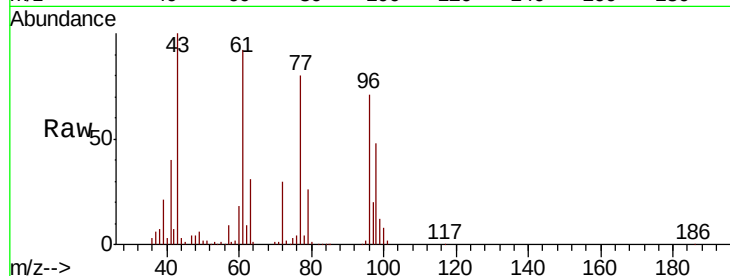
72 29.5 24.7 37.1

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9/24/2018 2:48:14 PM



#26

2,2-Dichloropropane

Concen: 48.857 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051342.D

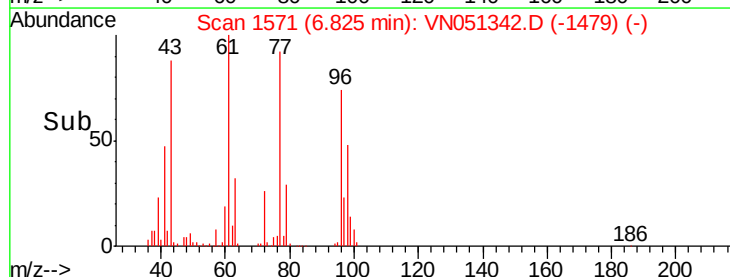
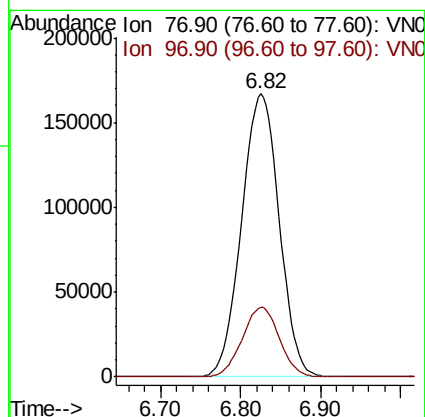
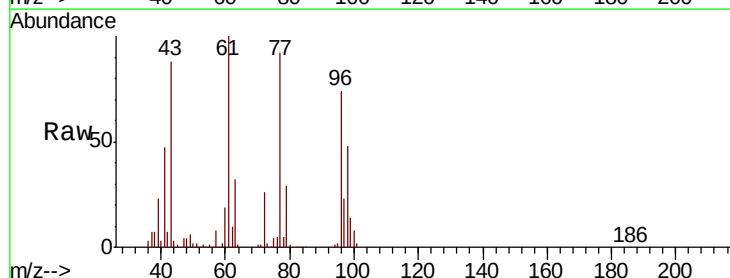
Acq: 20 Sep 2018 16:08

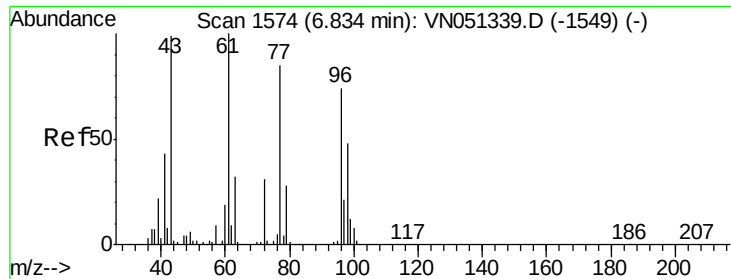
Tgt Ion: 77 Resp: 533574

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.706 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

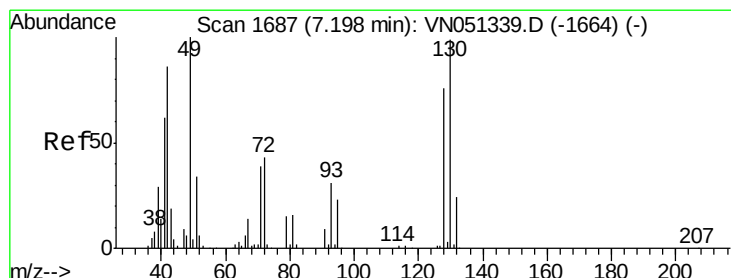
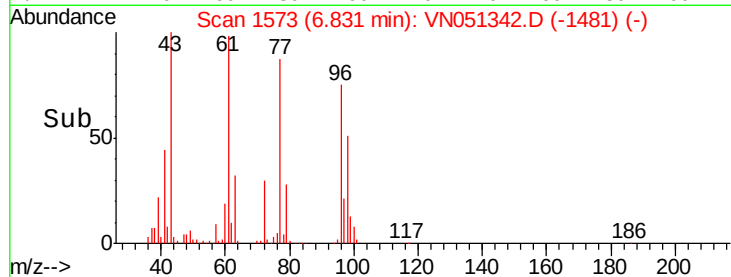
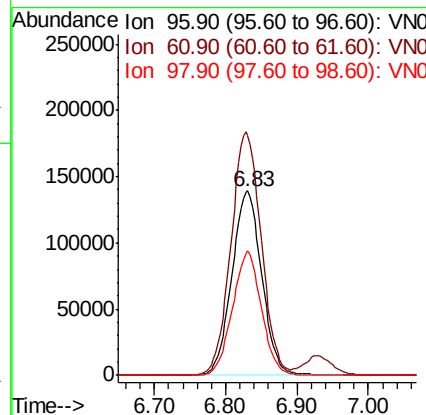
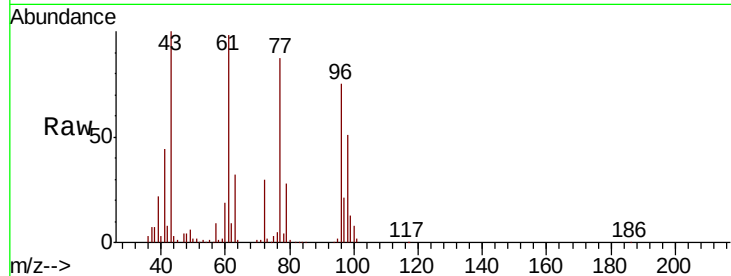
ClientSampleId :

ICVVN092018

Tot Ion:	96	Resp:	405119
Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	271.2
98	65.4	0.0	131.2

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#28

Bromochloromethane

Concen: 49.358 ug/l

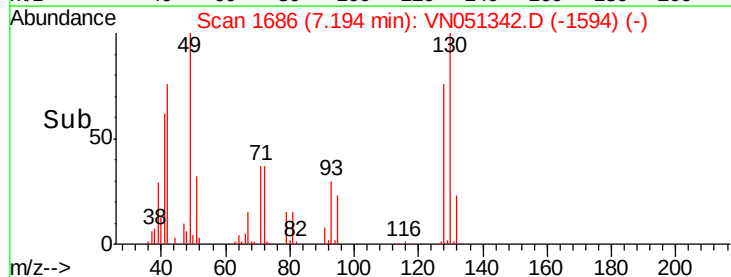
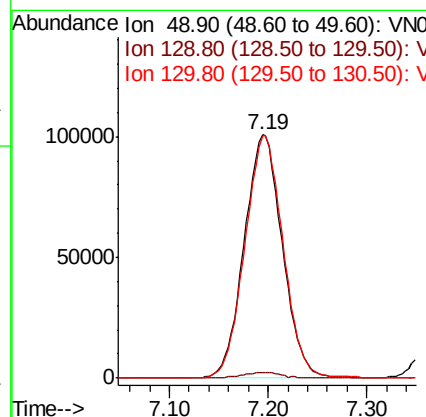
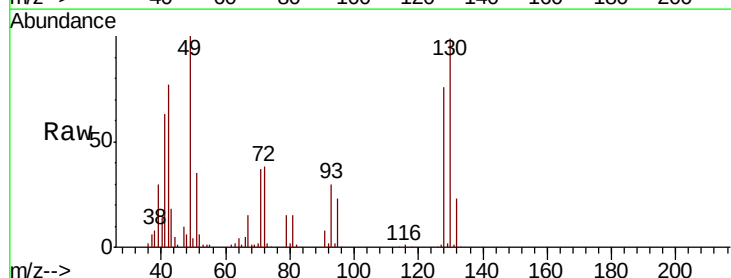
RT: 7.19 min Scan# 1686

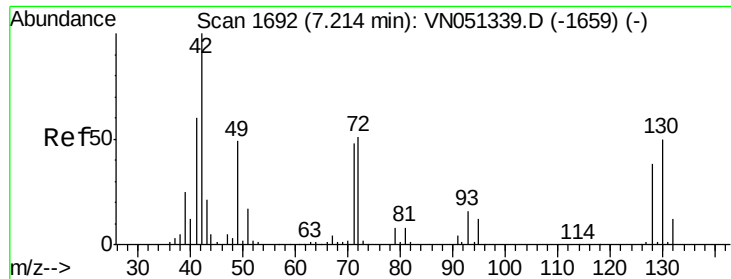
Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Tgt Ion:	49	Resp:	270377
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	99.1	77.4	116.2





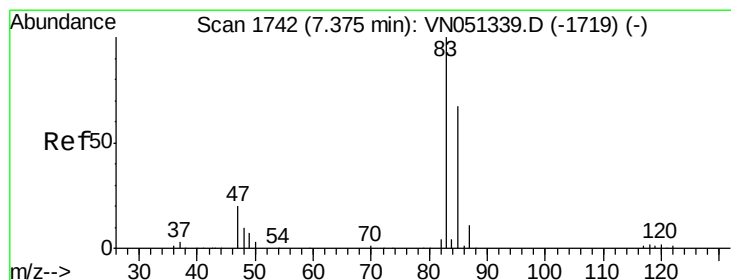
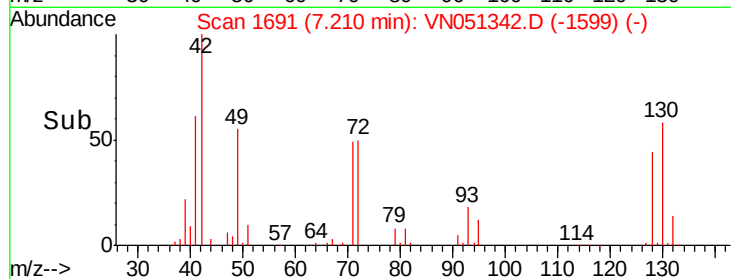
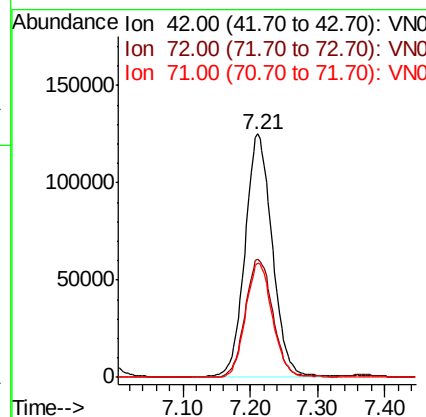
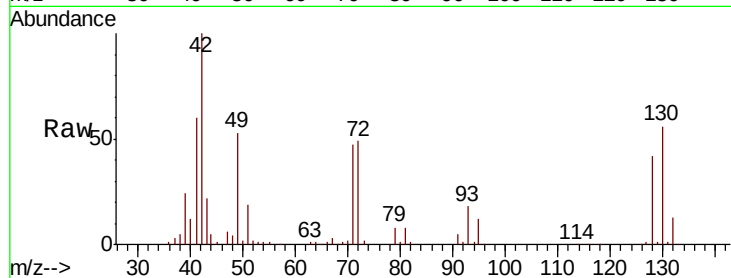
#29
Tetrahydrofuran
Concen: 240.176 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	49.6	39.0	58.4	
71	46.3	36.5	54.7	

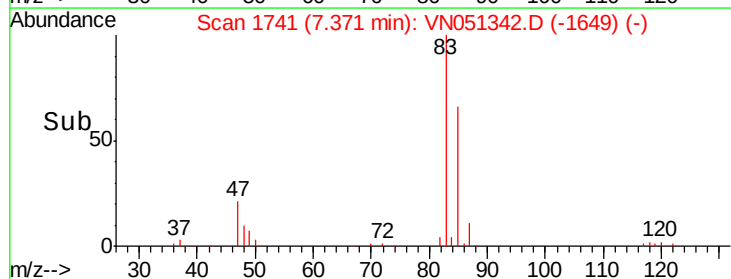
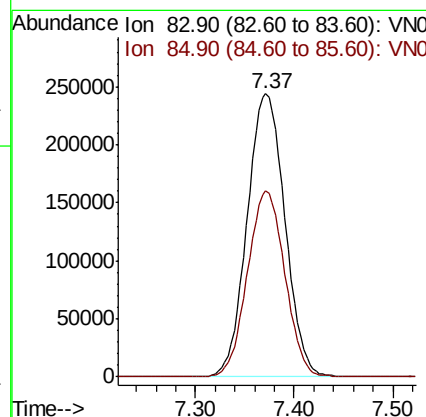
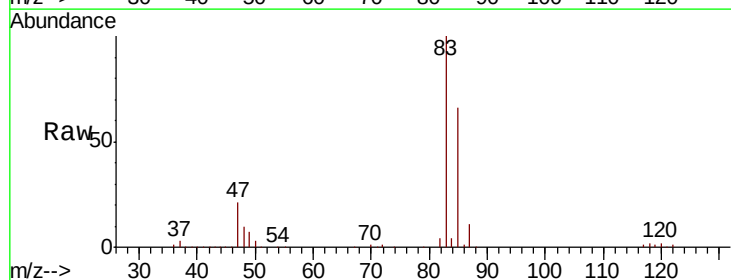
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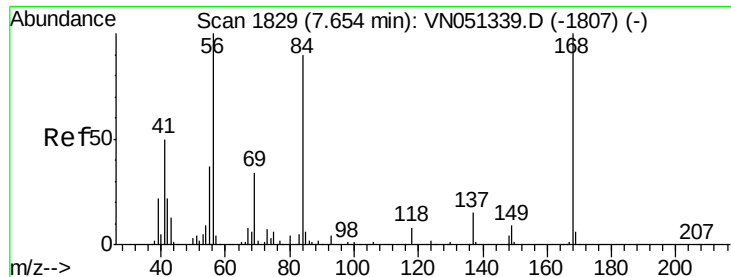
MMDadoda
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#30
Chloroform
Concen: 46.475 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.8	53.2	79.8	





#31

Cyclohexane

Concen: 44.094 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

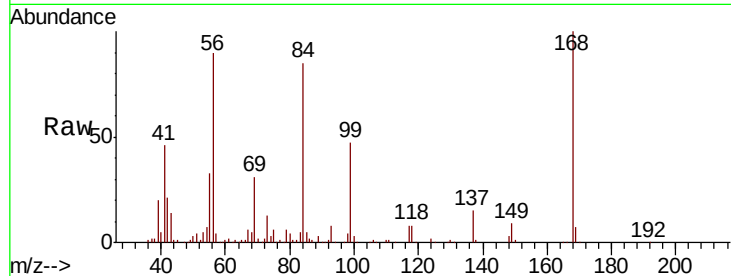
ClientSampled :

ICVVN092018

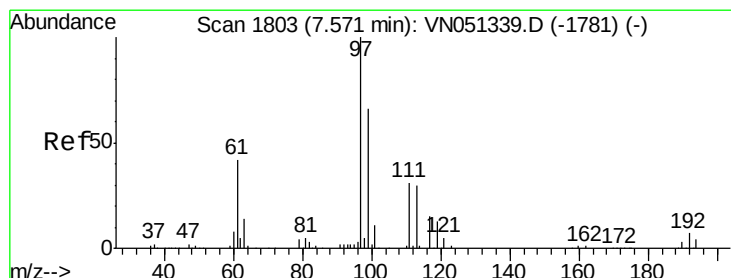
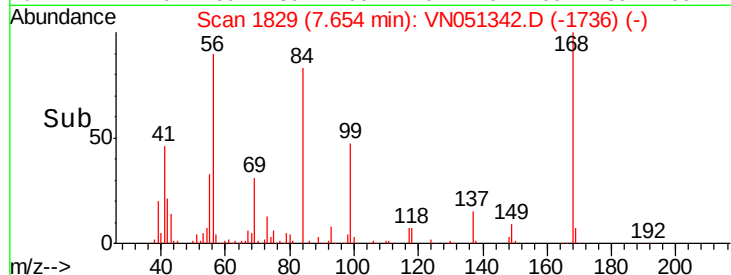
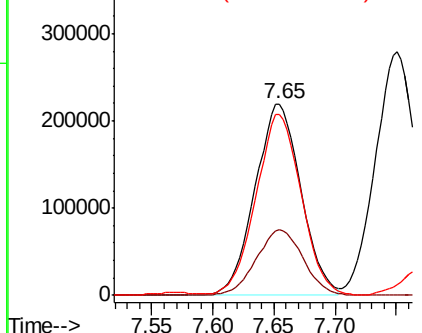
Tot Ion	56	Resp	573403
Ion	Ratio	Lower	Upper
56	100		
69	34.1	27.3	40.9
84	93.2	72.2	108.2

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 47.715 ug/l

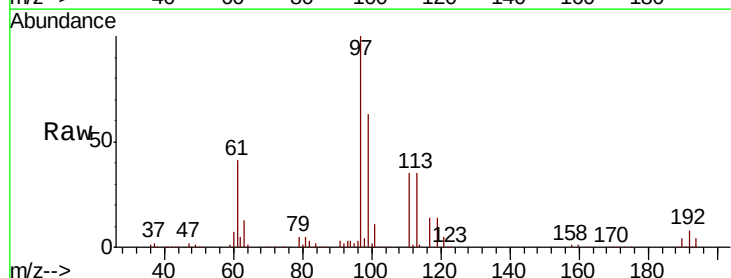
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

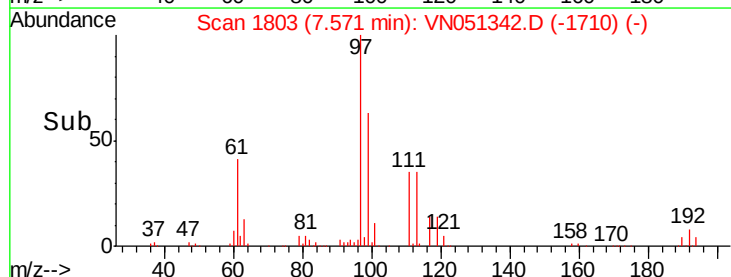
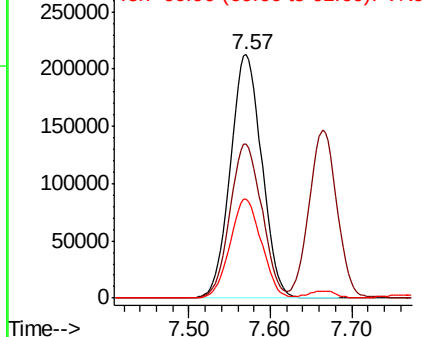
Lab File: VN051342.D

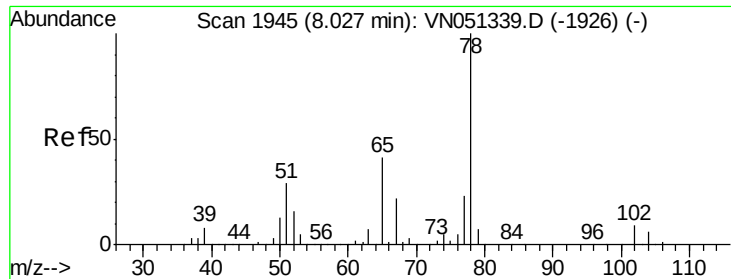
Acq: 20 Sep 2018 16:08

Tgt Ion	97	Resp	571033
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	40.8	33.2	49.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





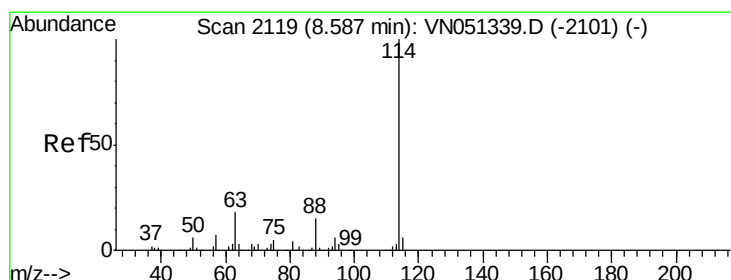
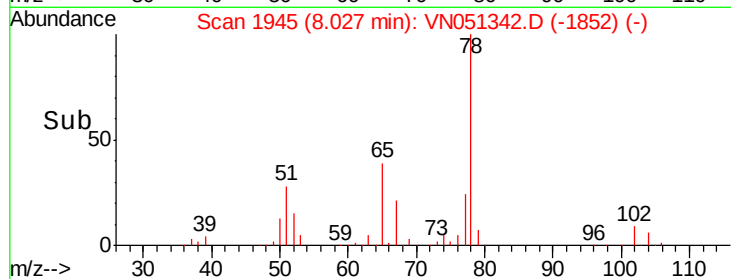
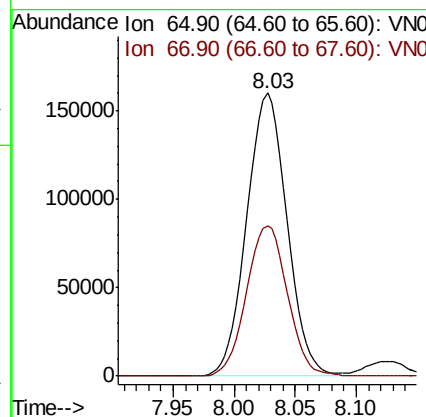
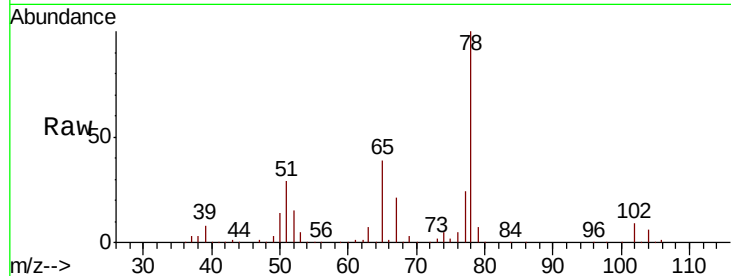
#33
 1,2-Dichloroethane-d4
 Concen: 45.396 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	108.8	

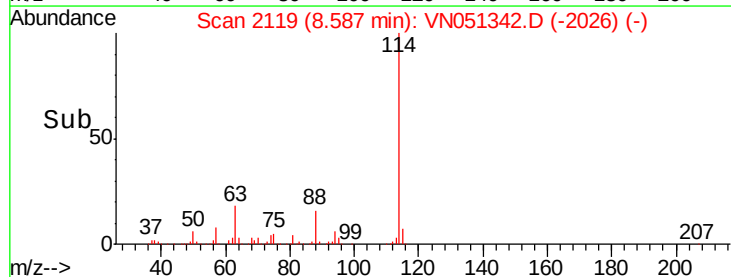
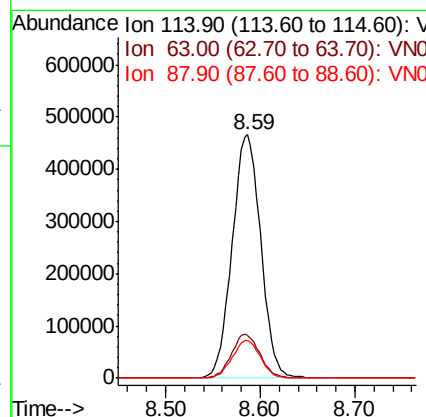
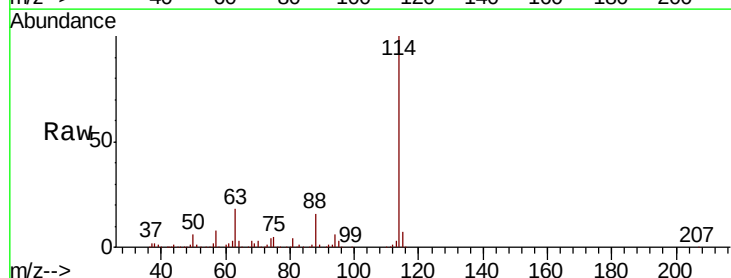
Manual Integrations
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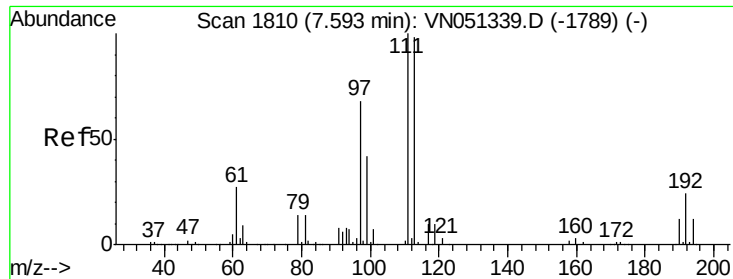
MMDadoda
 9/24/2018 2:48:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.8	0.0	36.6	
88	15.5	0.0	29.8	





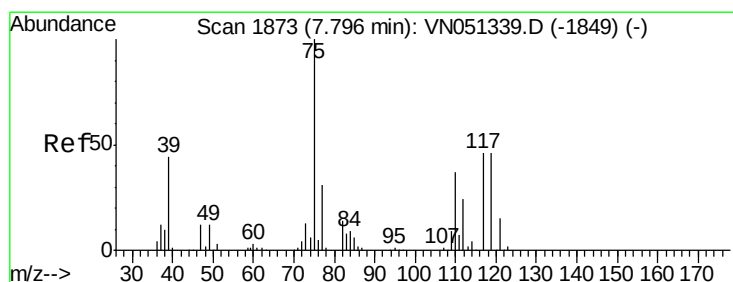
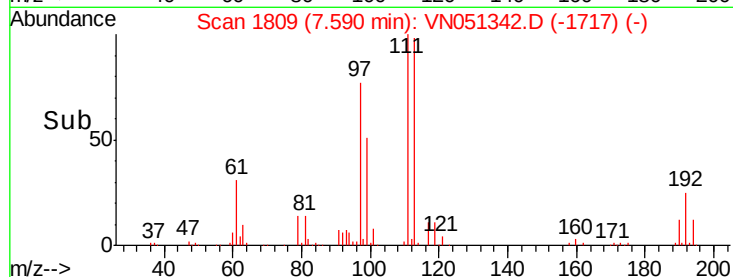
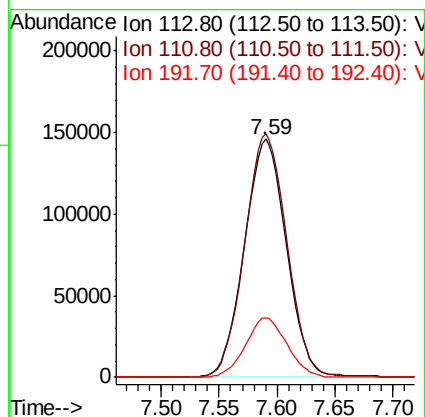
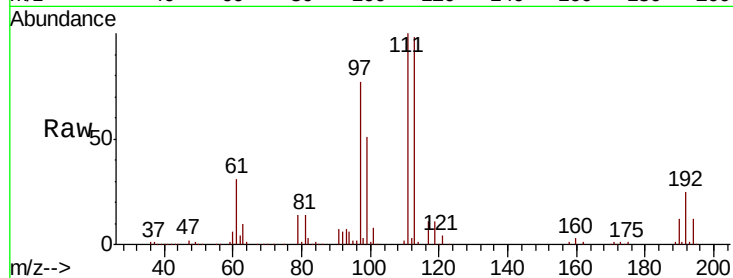
#35
Dibromofluoromethane
Concen: 46.375 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	81.9	122.9	
192	24.8	19.8	29.6	

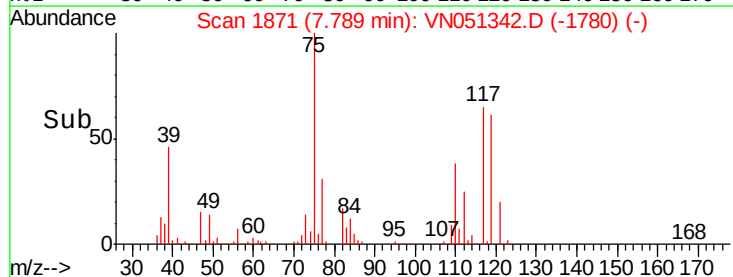
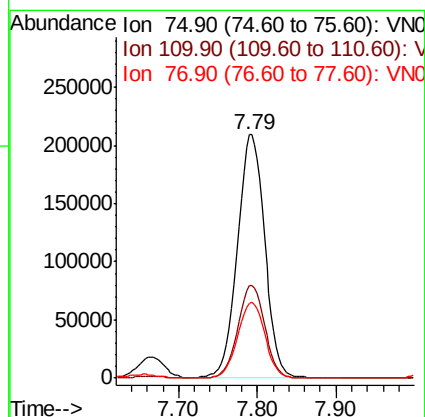
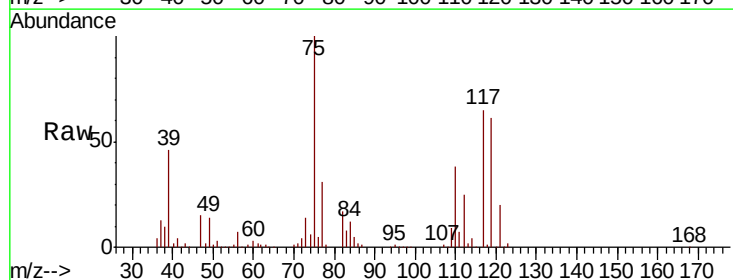
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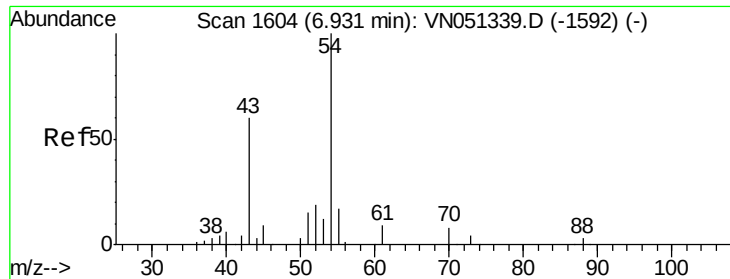
MMDadoda
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#36
1,1-Dichloropropene
Concen: 50.562 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.01 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.7	18.9	56.5	
77	31.3	25.4	38.2	





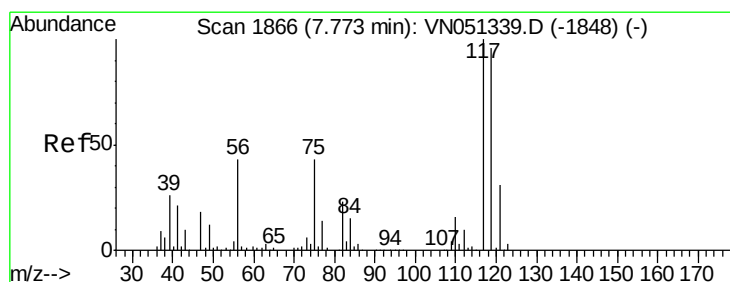
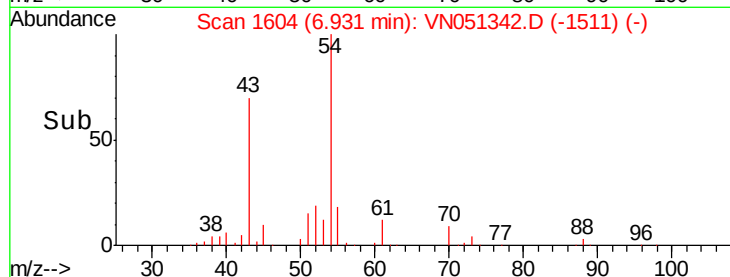
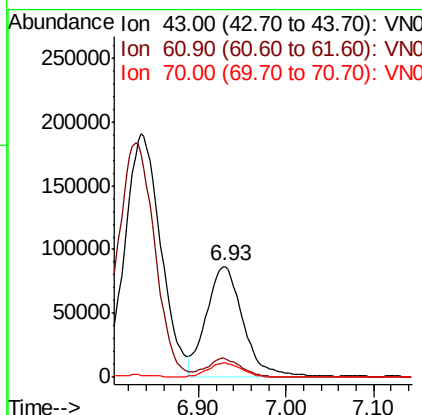
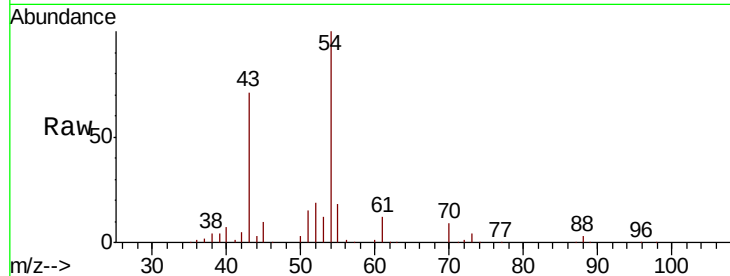
#37
Ethyl Acetate
Concen: 50.505 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	13.6	20.4
70	12.2	9.4	14.2

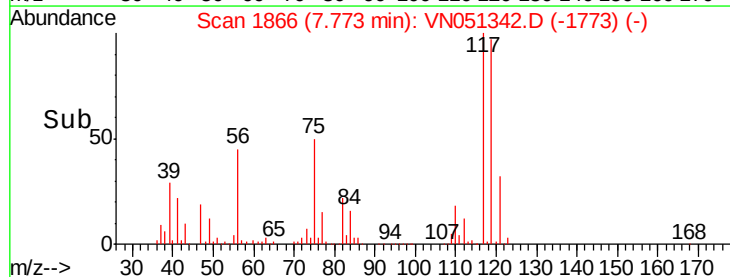
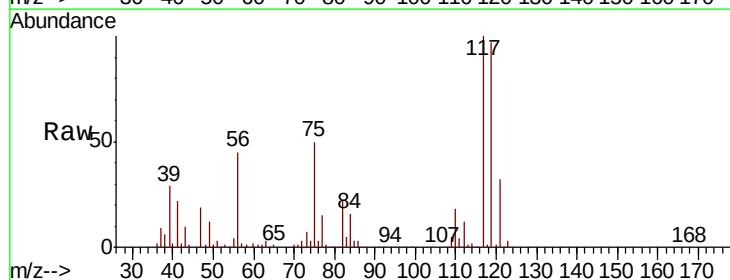
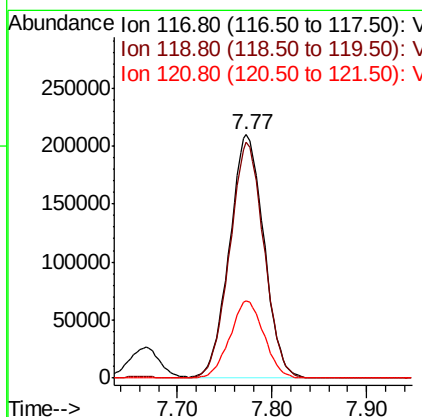
Manual Integrations
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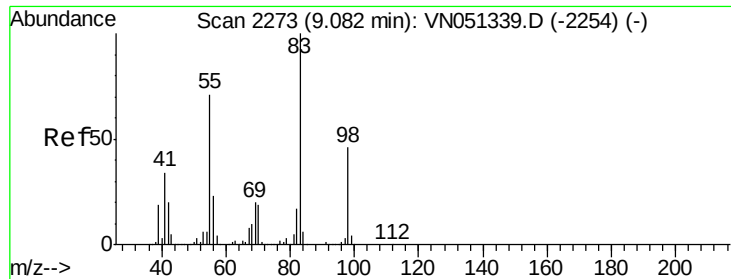
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#38
Carbon Tetrachloride
Concen: 49.055 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.0	115.4
121	31.9	25.0	37.4





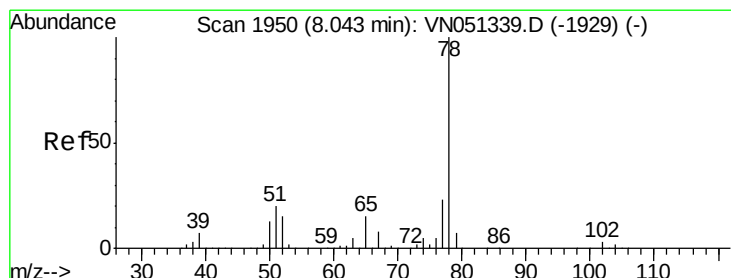
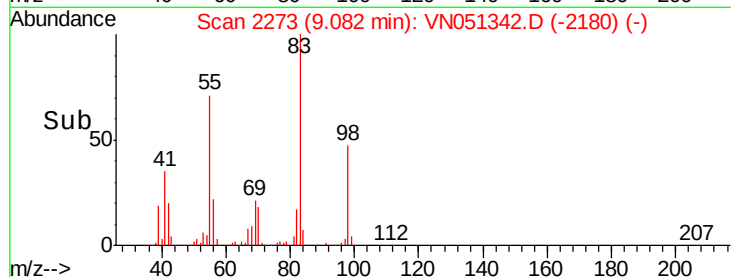
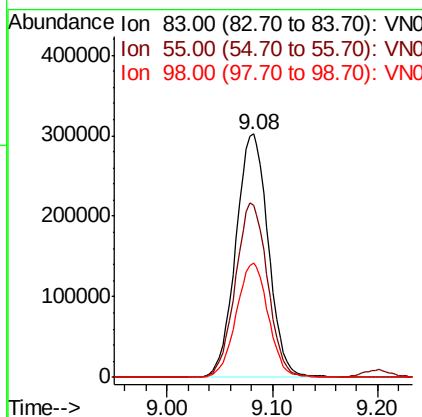
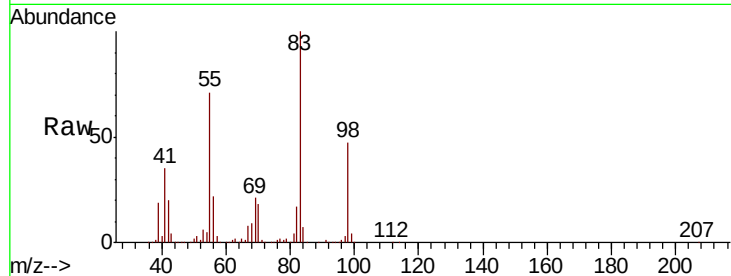
#39
Methylvlcyclohexane
Concen: 55.049 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.9	56.5	84.7
98	47.0	36.7	55.1

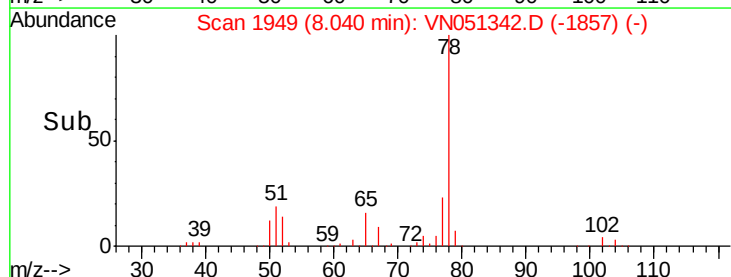
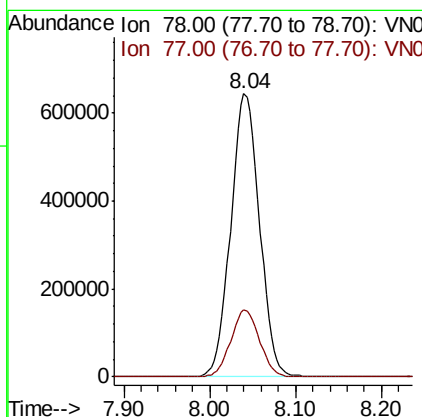
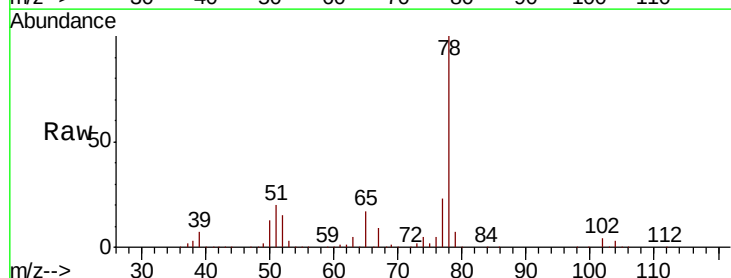
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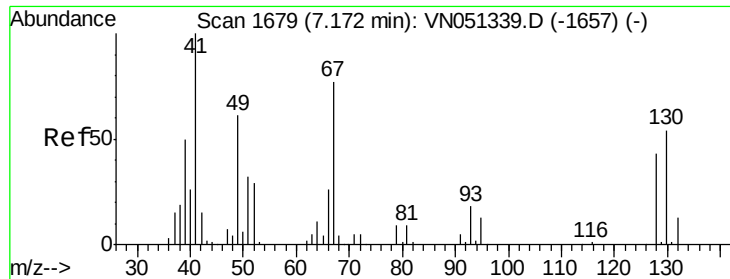
MMDadoda
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#40
Benzene
Concen: 49.449 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.5	27.7





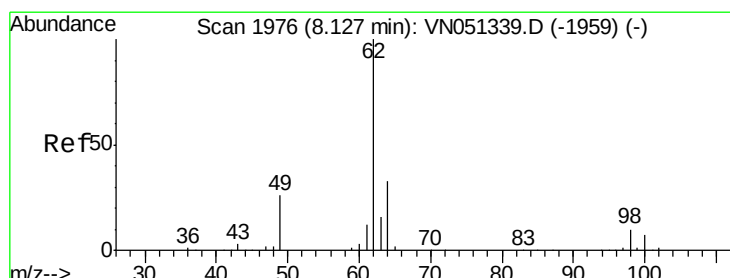
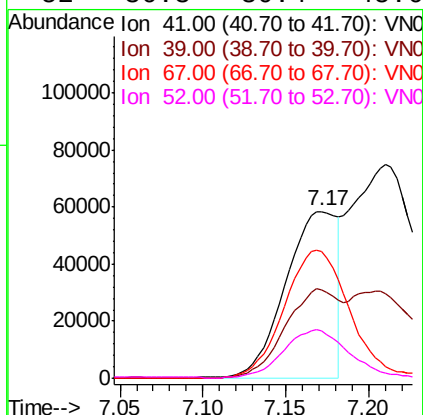
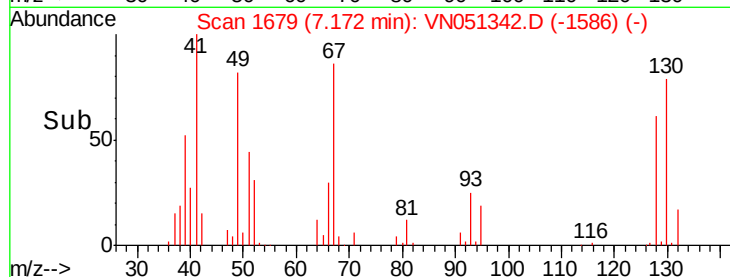
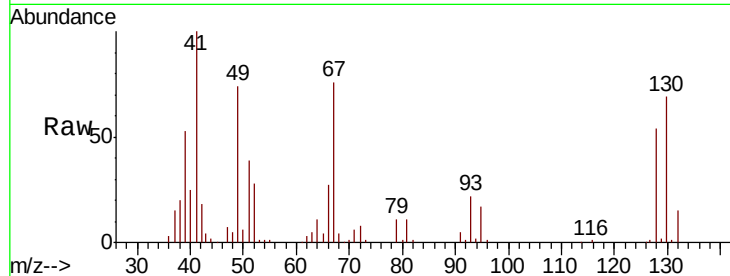
#41
Methacrylonitrile
Concen: 49.084 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion	41	Resp	126853
Ion	Ratio	Lower	Upper
41	100		
39	56.7	51.3	76.9
67	97.5	77.0	115.4
52	36.3	30.4	45.6

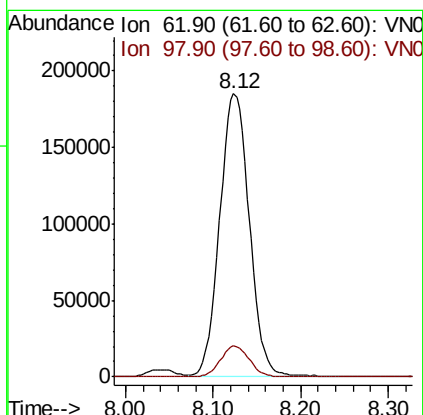
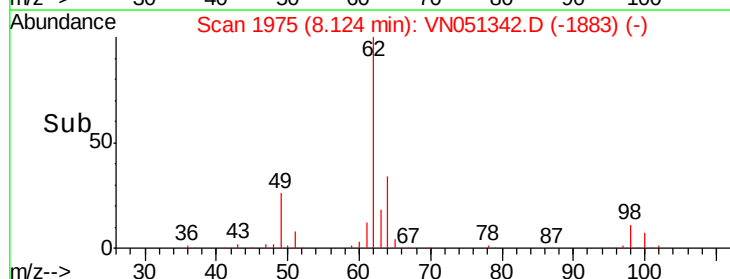
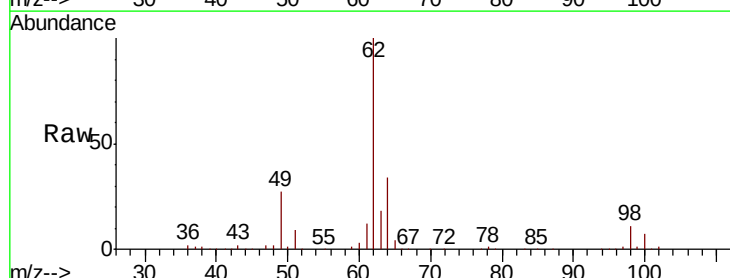
Manual Integrations
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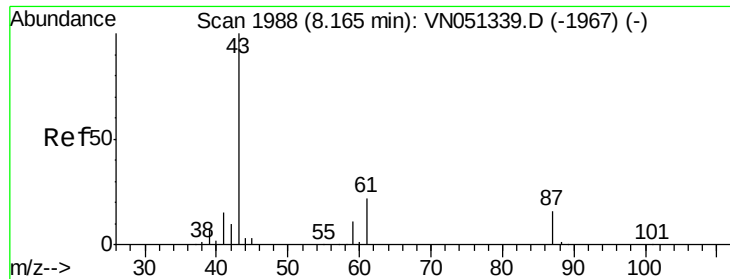
MMDadoda
9/24/2018 2:48:14 PM



#42
1,2-Dichloroethane
Concen: 47.661 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion	62	Resp	434709
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.6





#43

Isopropyl Acetate

Concen: 51.434 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

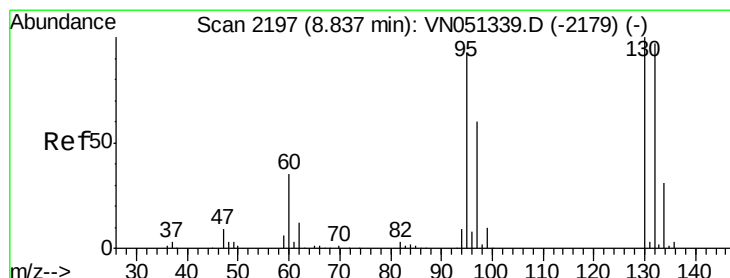
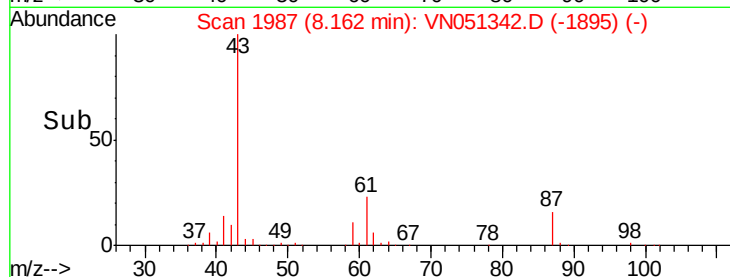
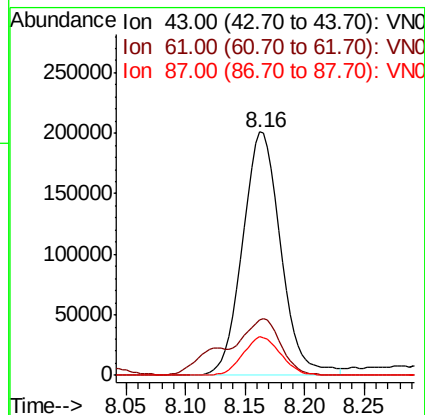
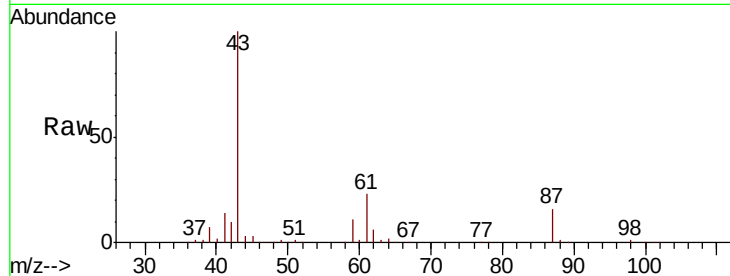
ClientSampleId :

ICVVN092018

Tot Ion:	43	Resp:	446864
Ion	Ratio	Lower	Upper
43	100		
61	22.4	18.1	27.1
87	15.7	12.8	19.2

Manual Integrations
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#44

Trichloroethene

Concen: 49.853 ug/l

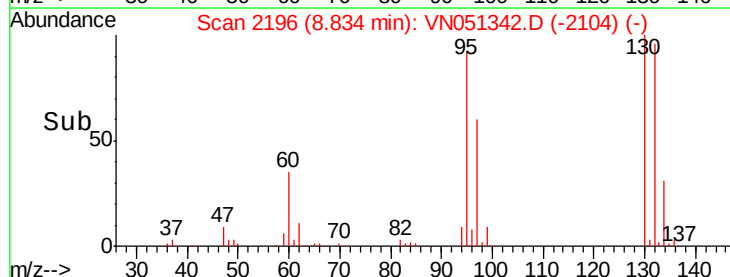
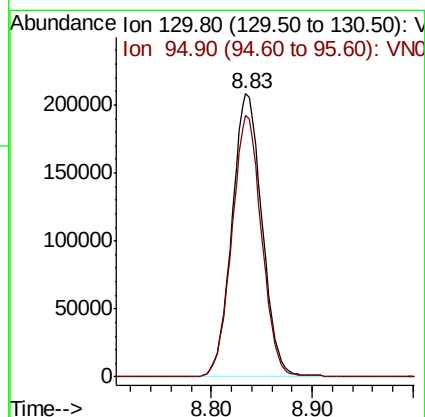
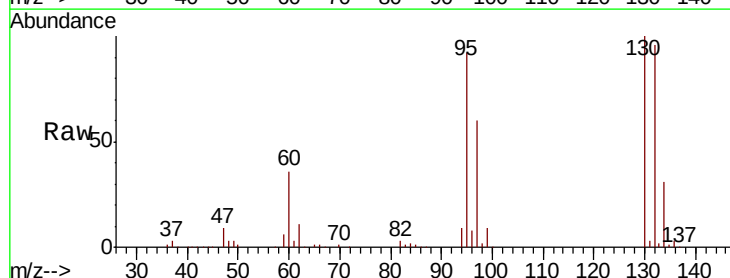
RT: 8.83 min Scan# 2196

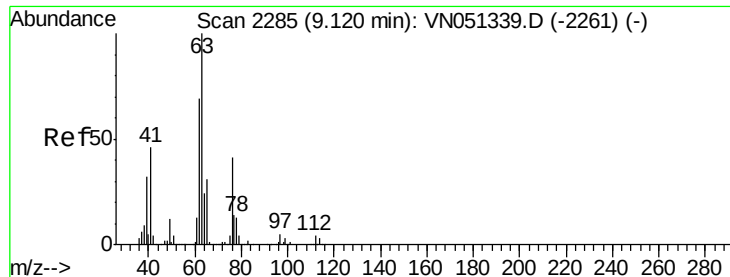
Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Tgt Ion:	130	Resp:	432096
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	185.6





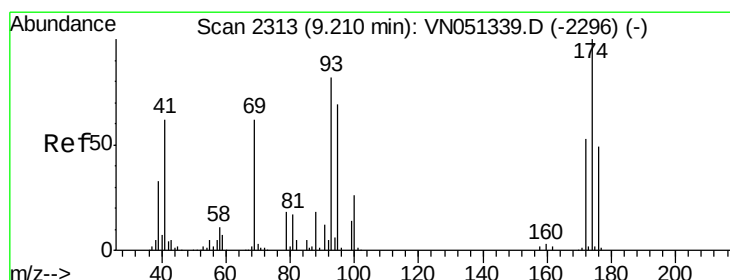
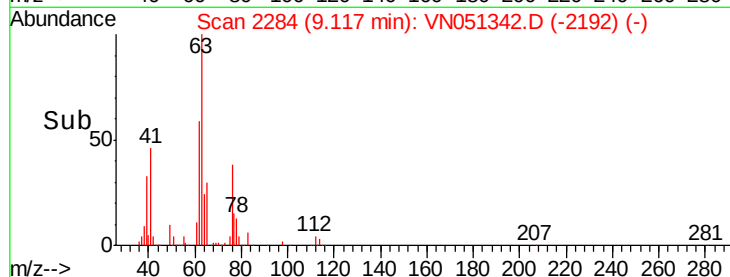
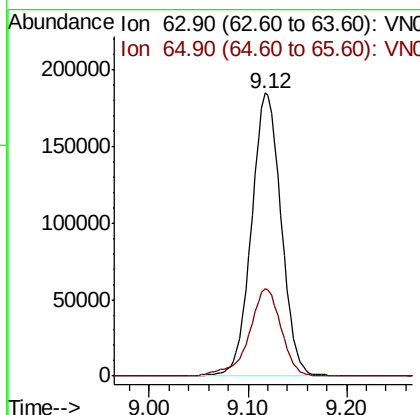
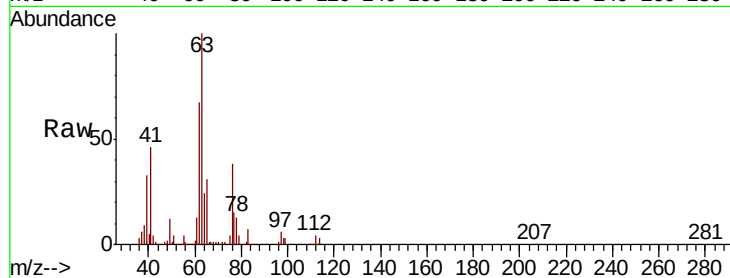
#45
 1,2-Dichloropropane
 Concen: 49.562 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.7	37.1

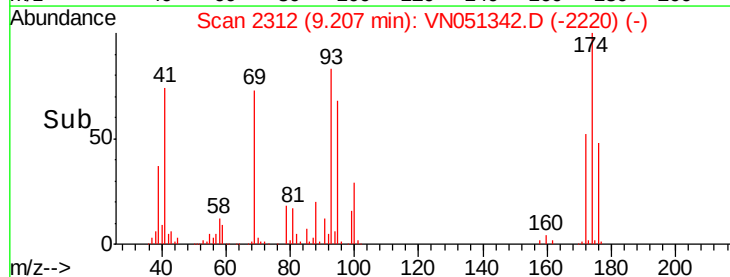
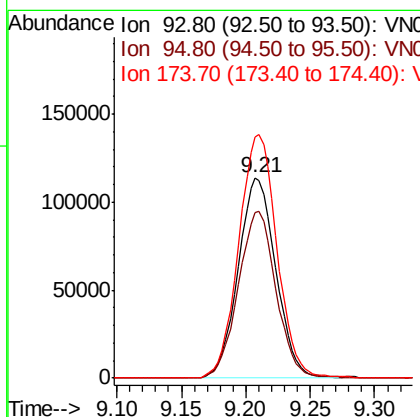
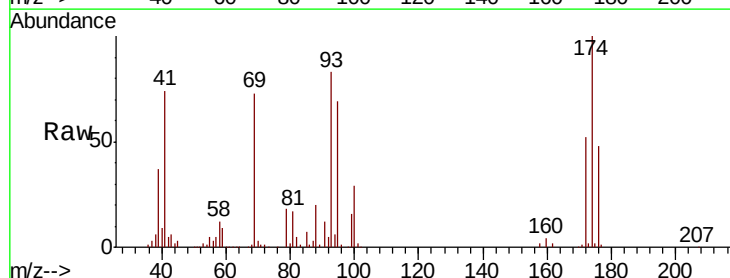
Manual Integrations
 APPROVED

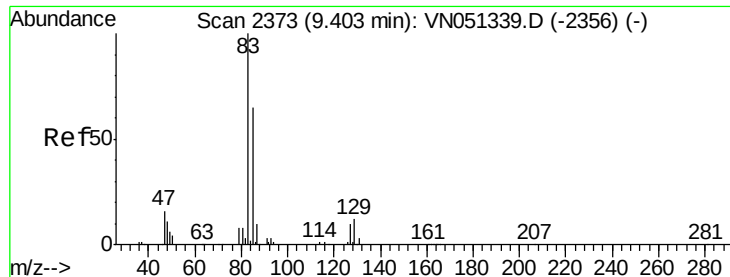
MMDadoda
 9/24/2018 2:48:14 PM



#46
 Dibromomethane
 Concen: 48.541 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	67.6	101.4
174	123.6	98.9	148.3





#47

Bromodichloromethane

Concen: 49.096 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

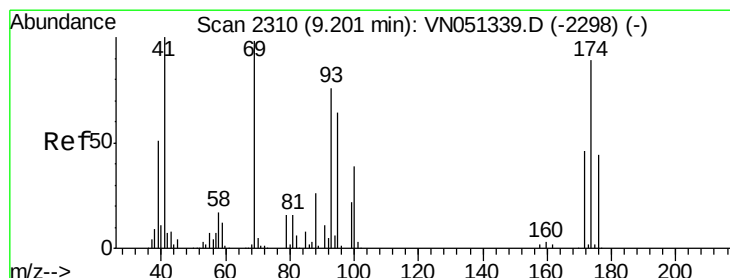
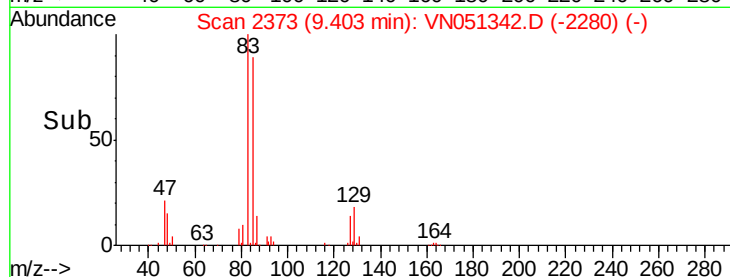
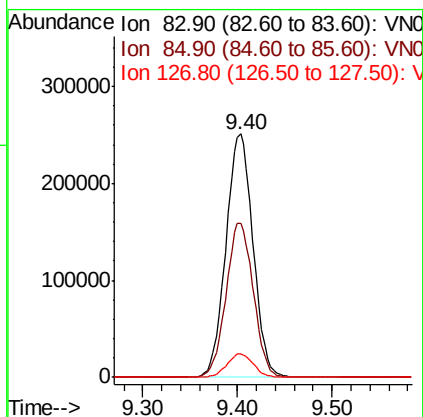
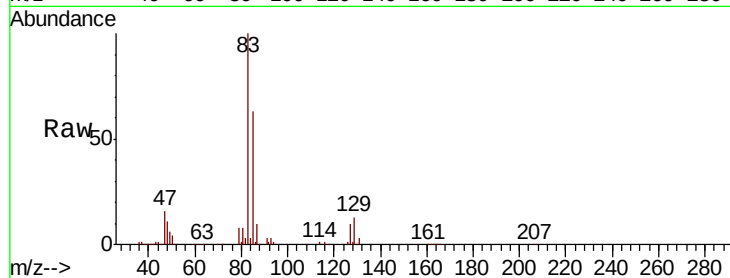
ClientSampleId :

ICVVN092018

Tot Ion:	83	Resp:	498783
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.6	77.4
127	9.6	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.955 ug/l

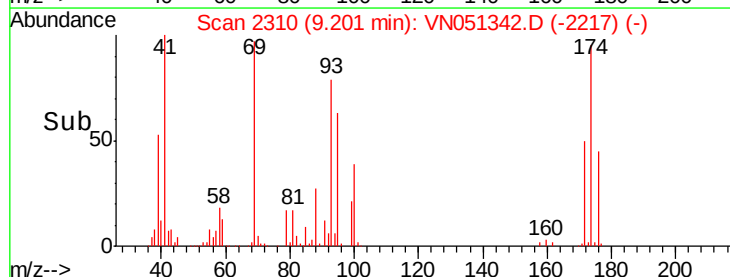
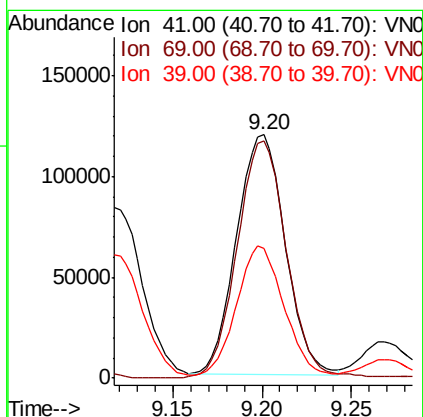
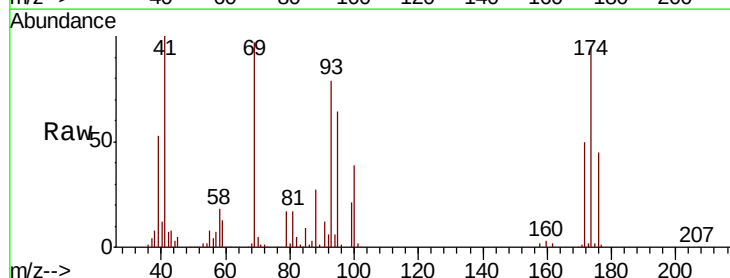
RT: 9.20 min Scan# 2310

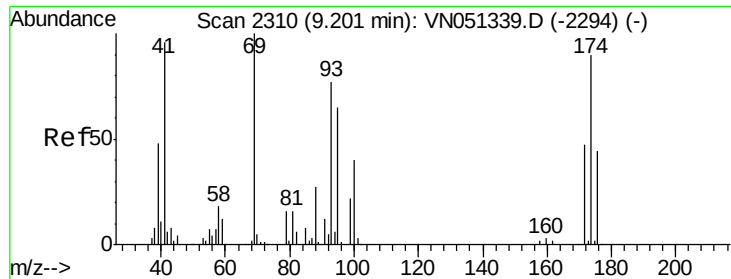
Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Tgt Ion:	41	Resp:	225692
Ion	Ratio	Lower	Upper
41	100		
69	100.2	79.4	119.0
39	52.0	43.0	64.6





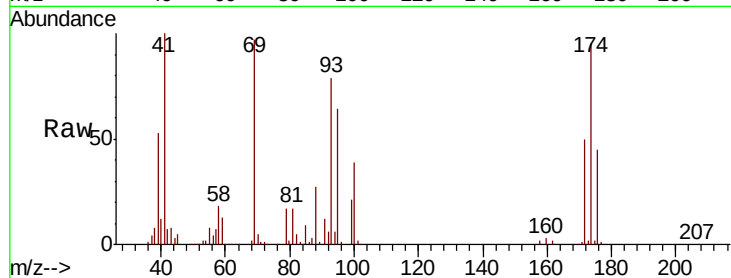
#49
1,4-Dioxane
Concen: 1010.182 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	23.5	35.3
58	64.7	52.1	78.1

Manual Integrations
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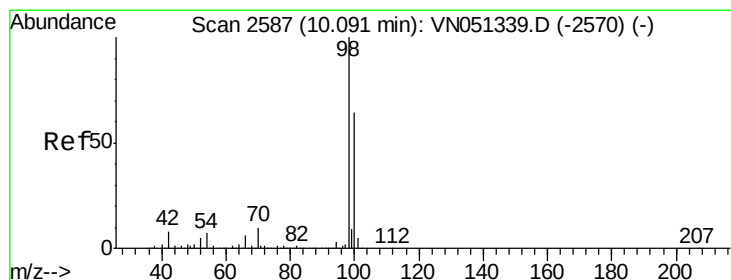
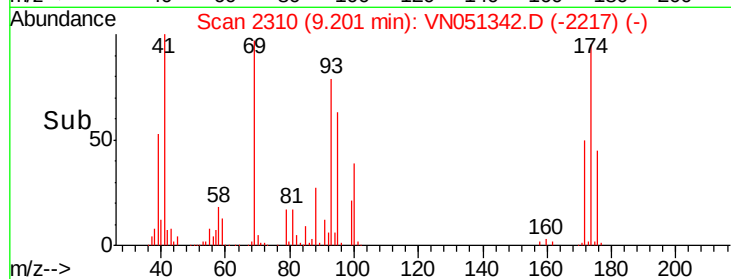
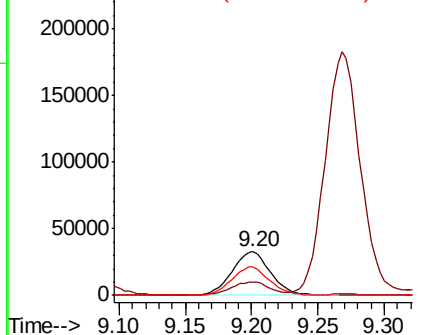


Abundance

Ion 88.00 (87.70 to 88.70): VN0

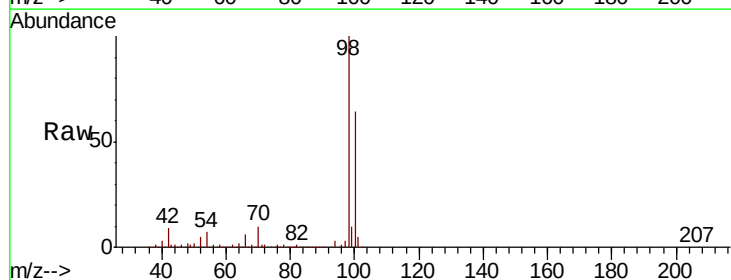
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 46.922 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

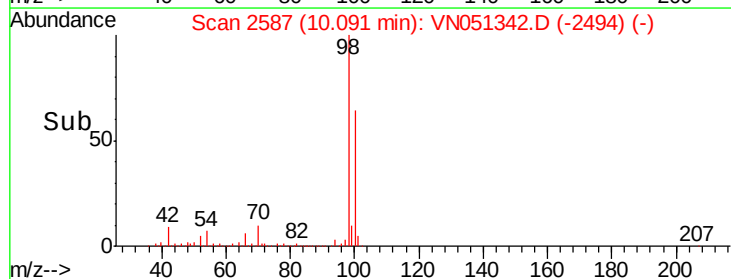
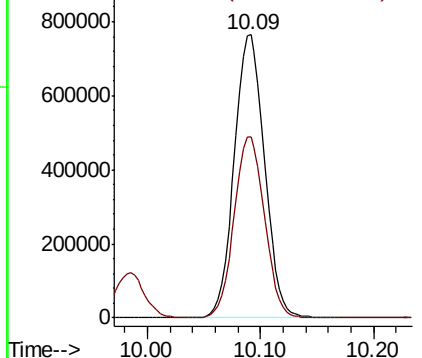
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.3	76.9

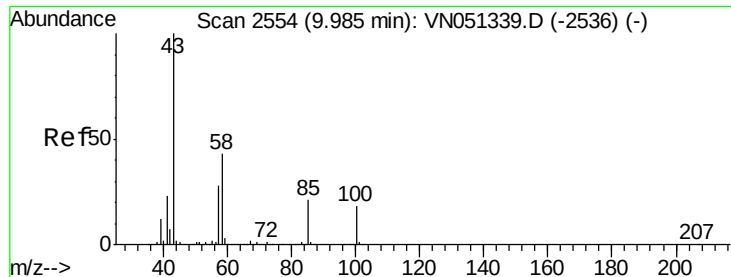


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





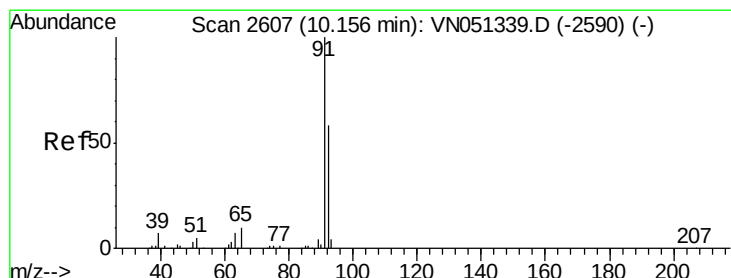
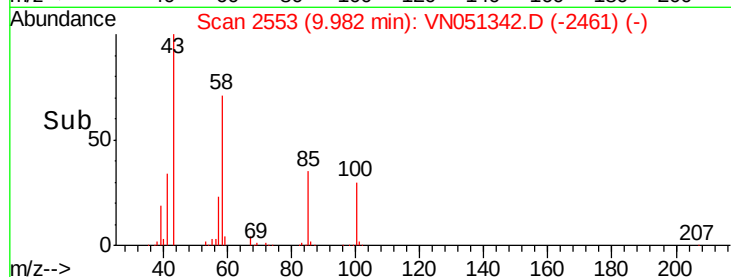
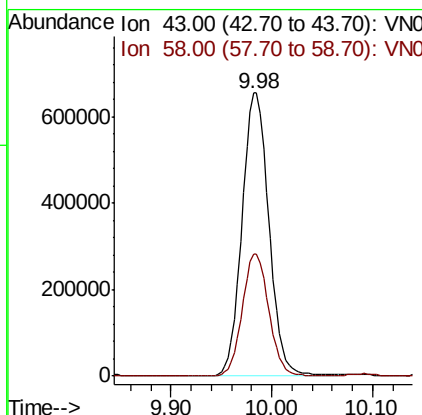
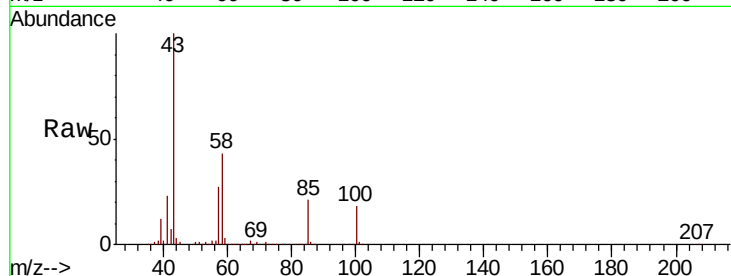
#51
4-Methyl-2-Pentanone
Concen: 257.955 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion: 43 Resp: 1205518
Ion Ratio Lower Upper
43 100
58 42.8 34.2 51.4

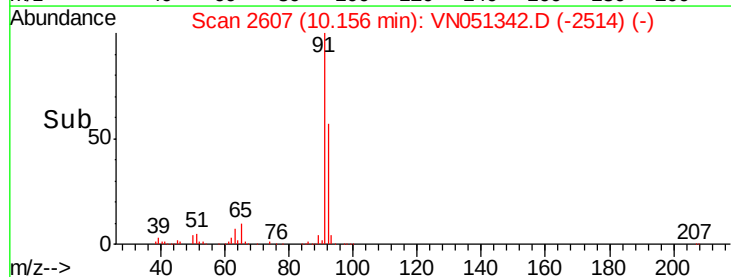
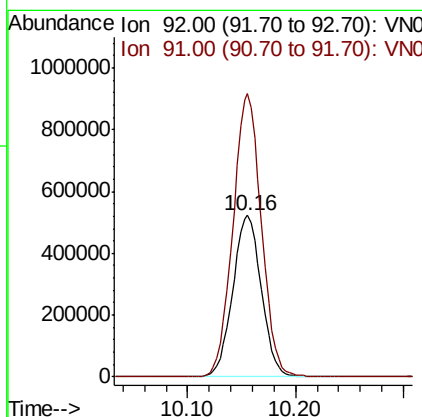
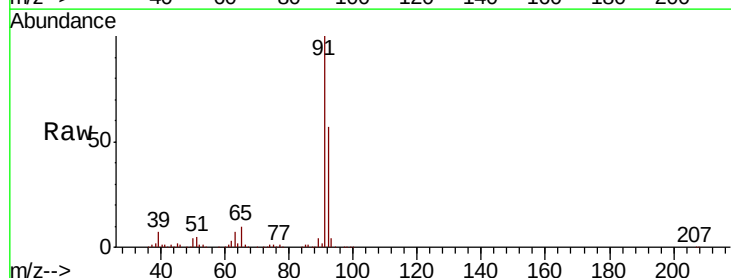
Manual Integrations
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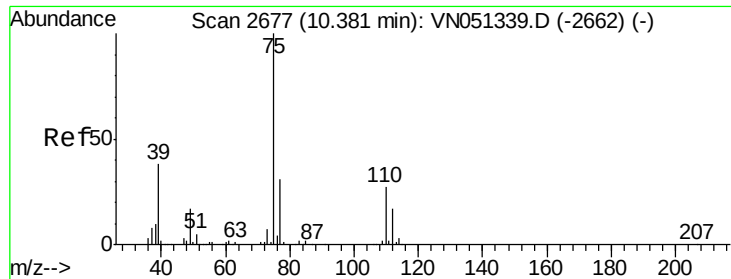
MMDadoda
9/24/2018 2:48:14 PM



#52
Toluene
Concen: 51.896 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 92 Resp: 964840
Ion Ratio Lower Upper
92 100
91 174.5 139.7 209.5





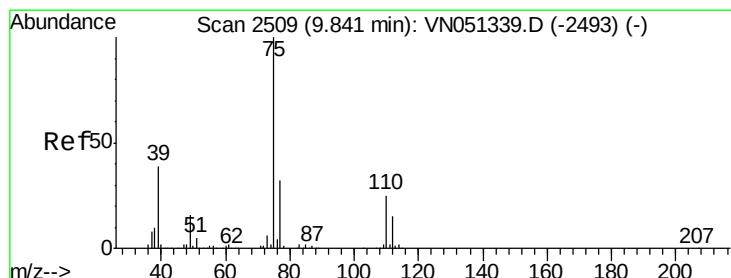
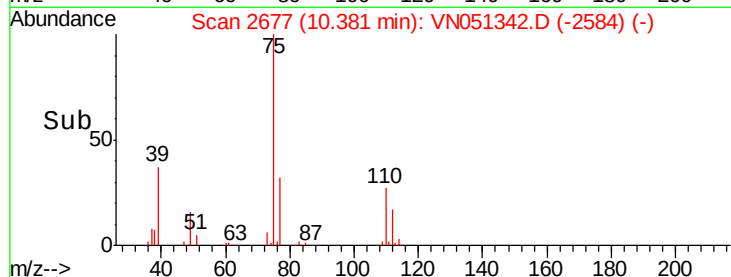
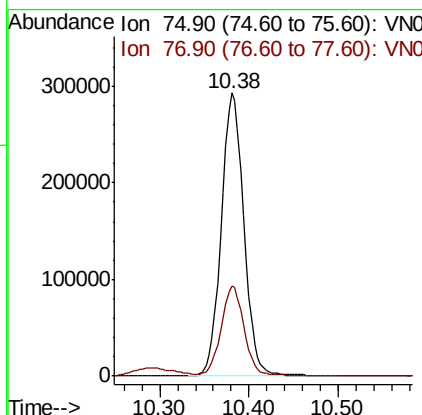
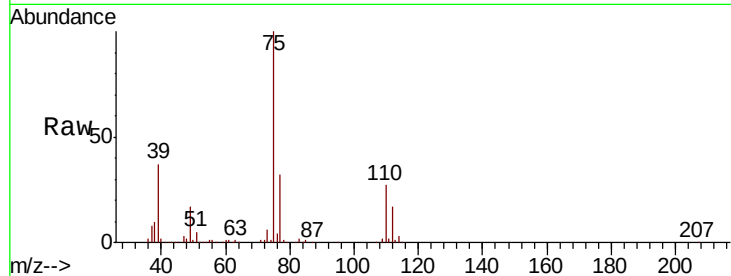
#53
t-1,3-Dichloropropene
Concen: 52.702 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampled :
ICVVN092018

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3

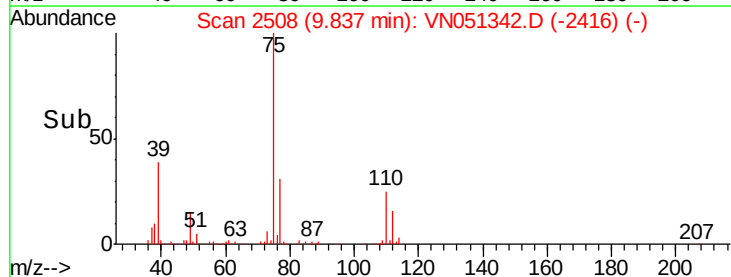
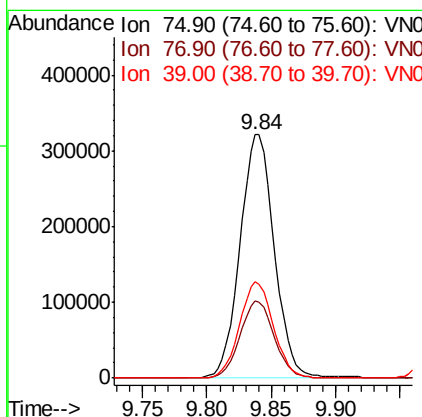
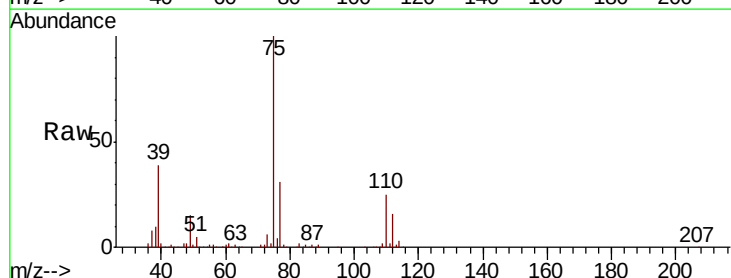
Manual Integrations
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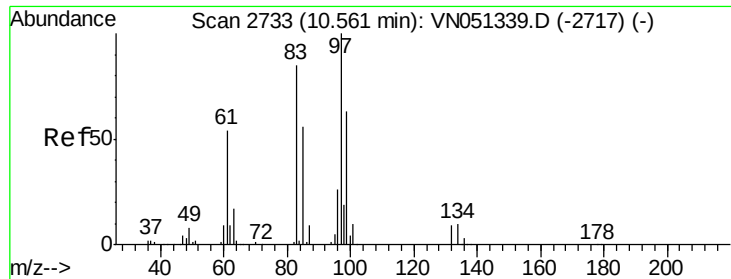
MMDadoda
9/24/2018 2:48:14 PM



#54
cis-1,3-Dichloropropene
Concen: 52.527 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	39.4	31.0	46.4





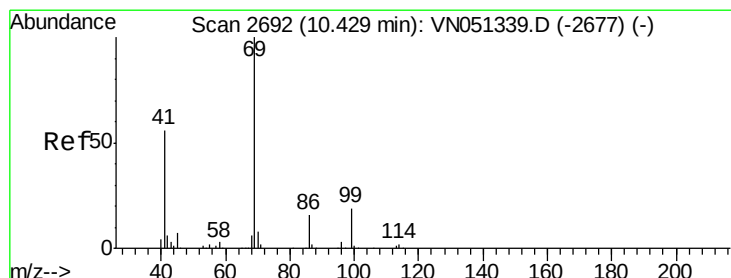
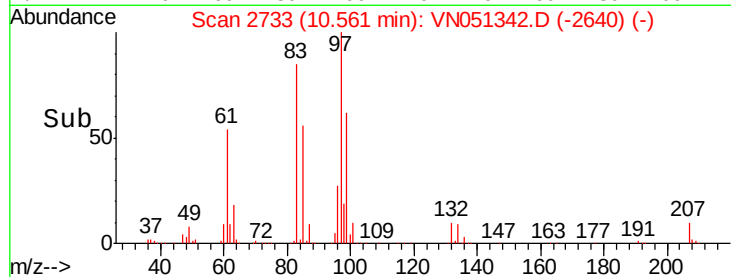
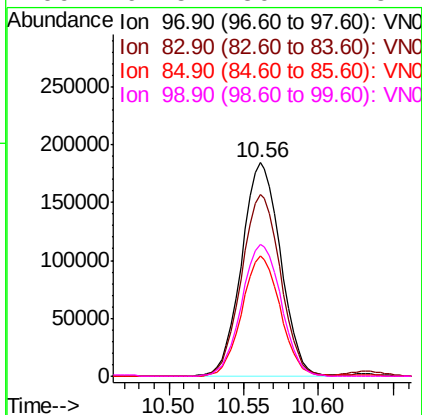
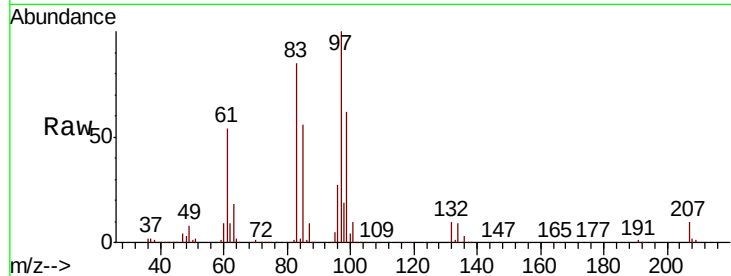
#55
 1,1,2-Trichloroethane
 Concen: 47.900 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092018

Tot Ion:	97	Resp:	334032
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	56.1	44.6	66.8
99	61.5	50.2	75.4

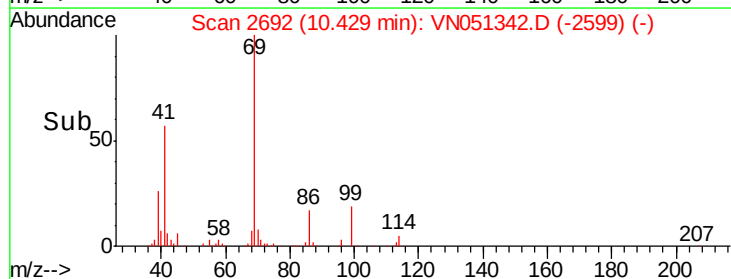
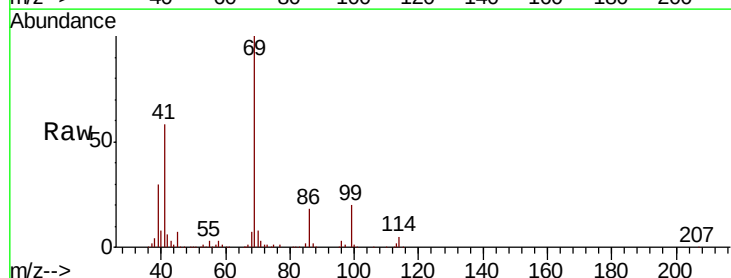
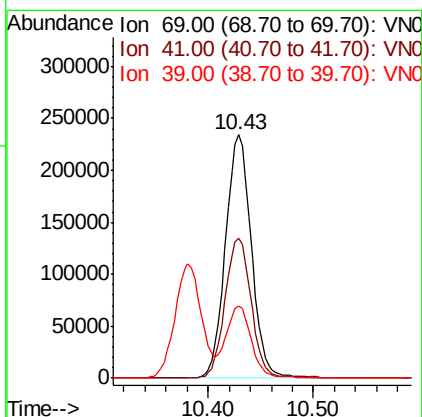
Manual Integrations
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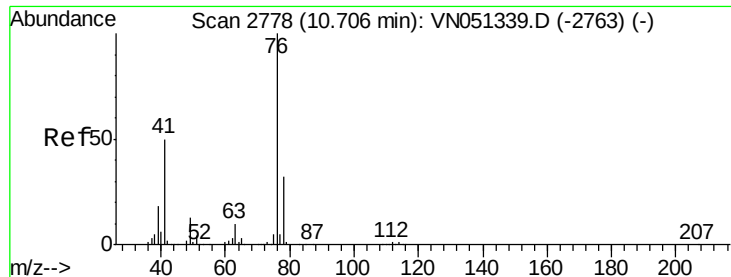
MMDadoda
 9/24/2018 2:48:14 PM



#56
 Ethyl methacrylate
 Concen: 53.956 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion:	69	Resp:	397424
Ion	Ratio	Lower	Upper
69	100		
41	57.1	45.1	67.7
39	29.4	23.4	35.2





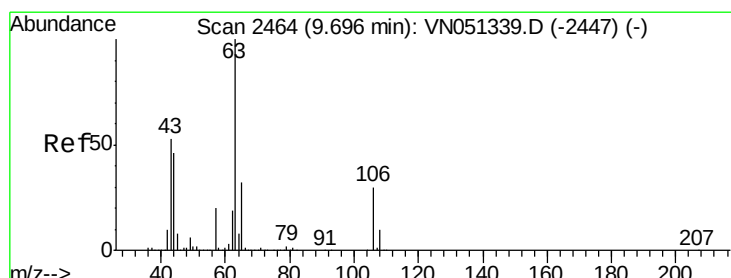
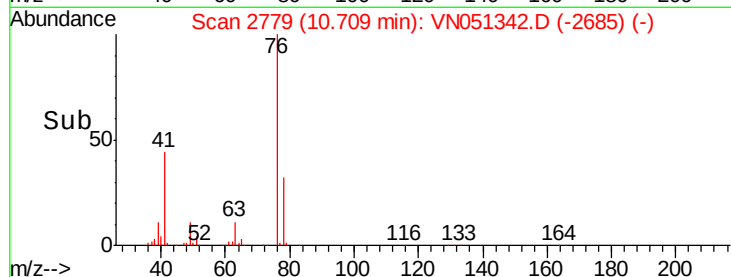
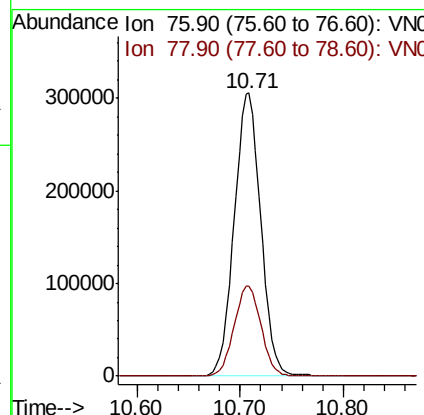
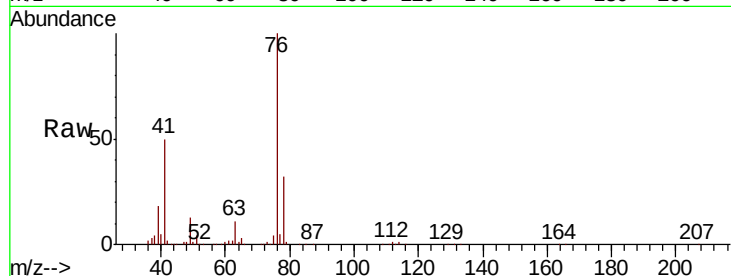
#57
 1,3-Dichloropropane
 Concen: 49.929 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092018

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

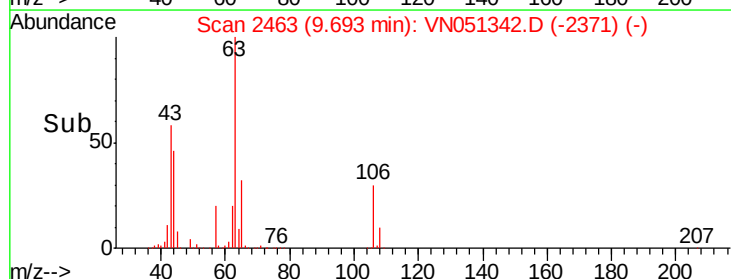
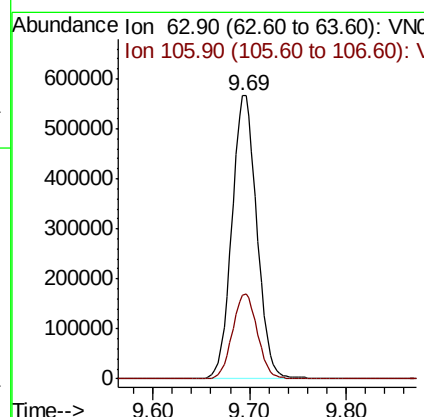
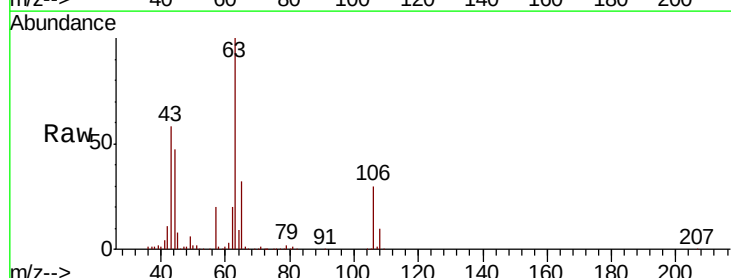
Manual Integrations
 APPROVED

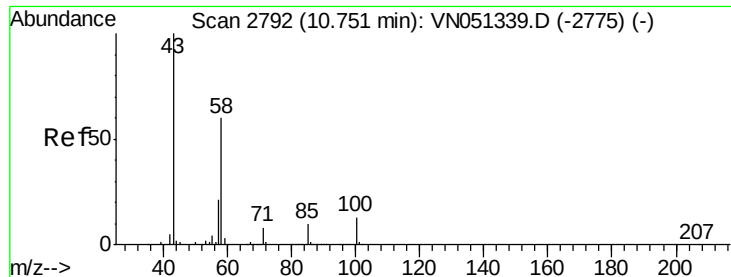
MMDadoda
 9/24/2018 2:48:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.672 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	23.7	35.5





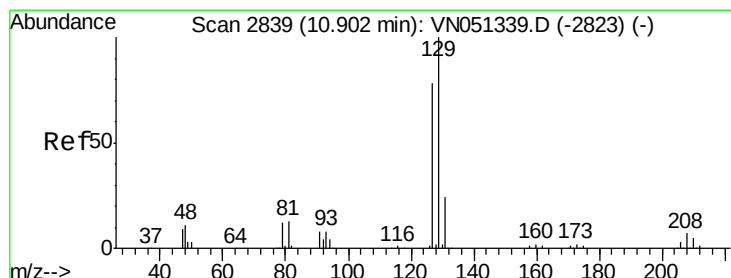
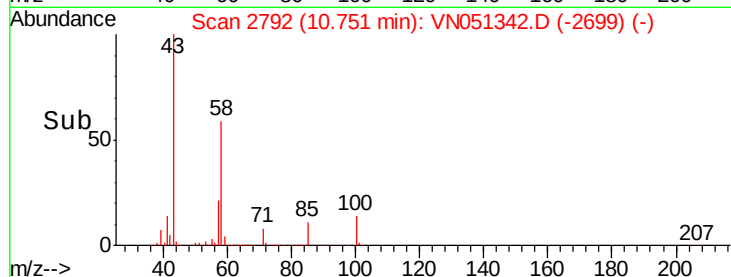
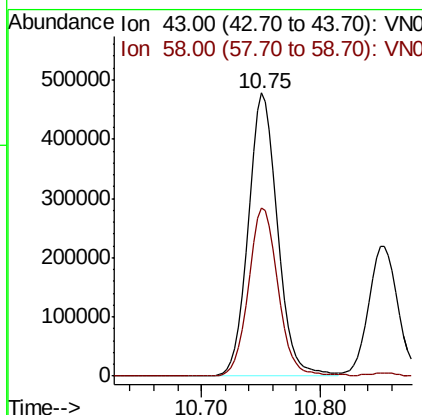
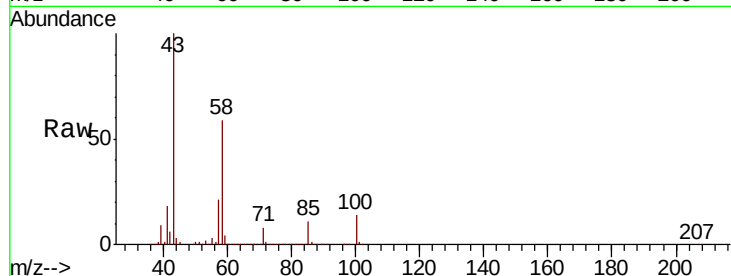
#59
2-Hexanone
Concen: 257.746 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.3	29.9	89.8

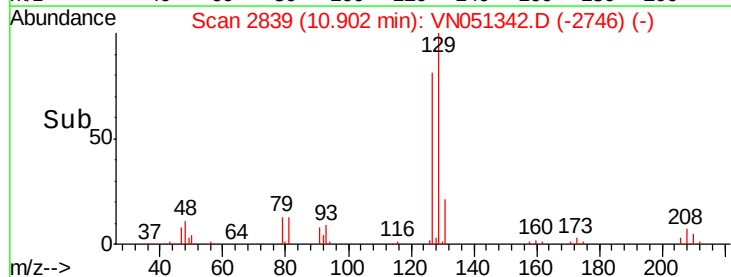
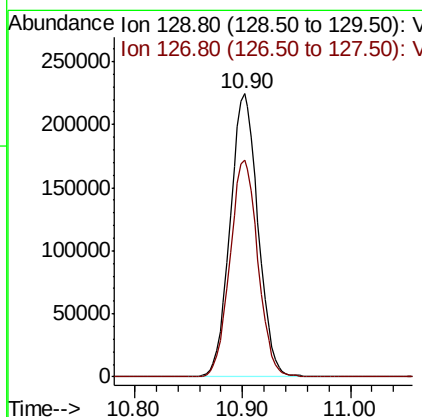
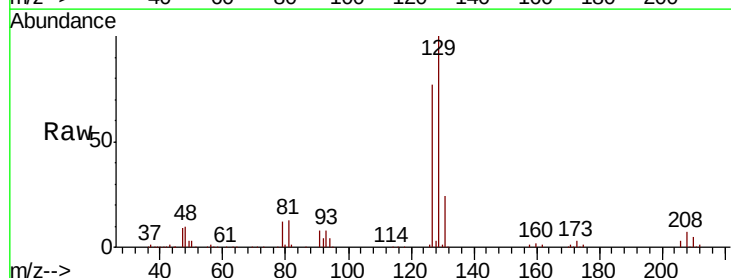
Manual Integrations
APPROVED

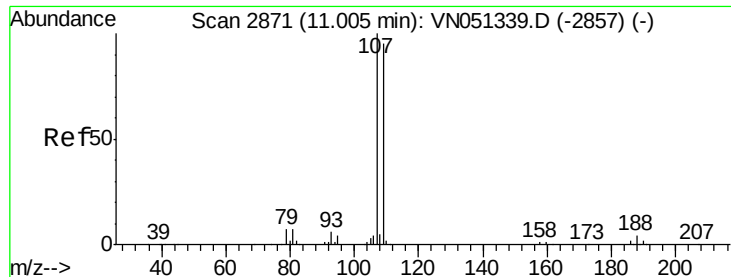
MMDadoda
9/24/2018 2:48:14 PM



#60
Dibromochloromethane
Concen: 49.756 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.6	115.8





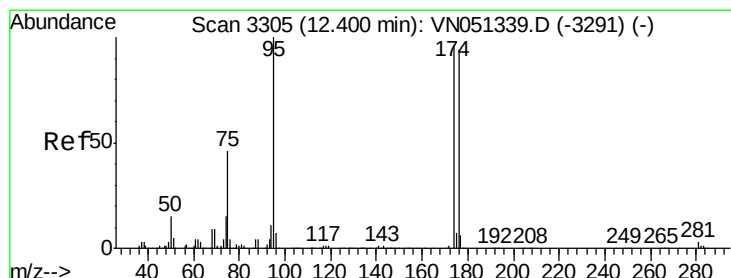
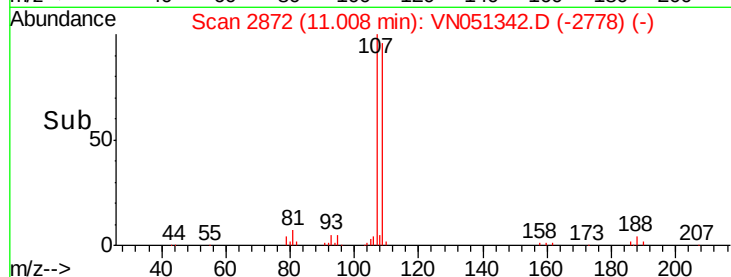
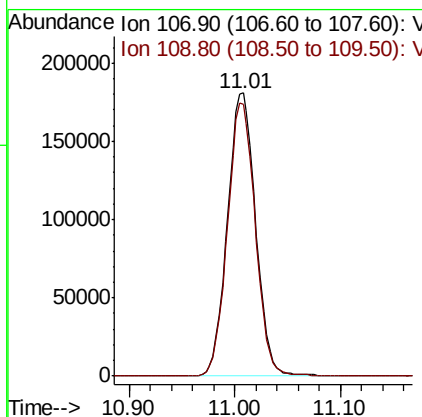
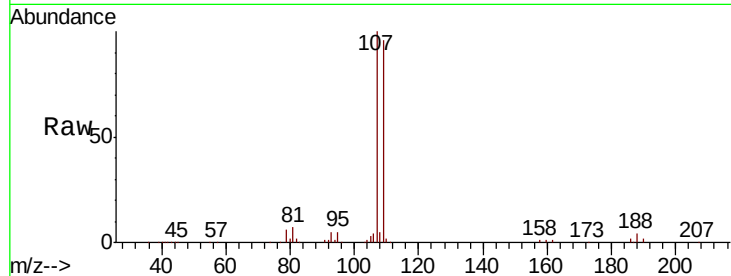
#61
 1,2-Dibromoethane
 Concen: 49.724 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.8	113.6

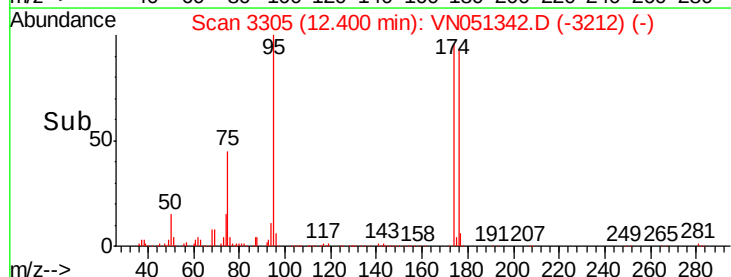
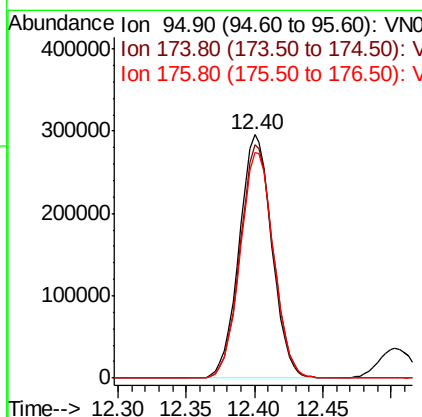
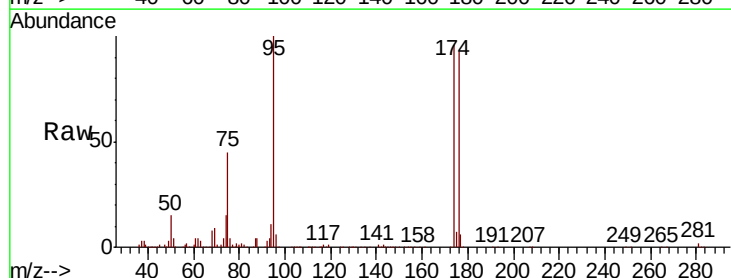
Manual Integrations
 APPROVED

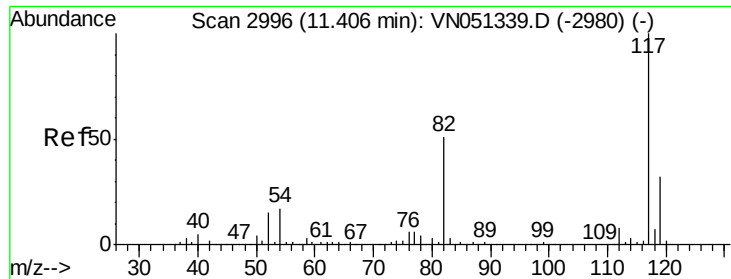
MMDadoda
 9/24/2018 2:48:14 PM



#62
 4-Bromofluorobenzene
 Concen: 49.662 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.9	0.0	194.6
176	94.6	0.0	189.6





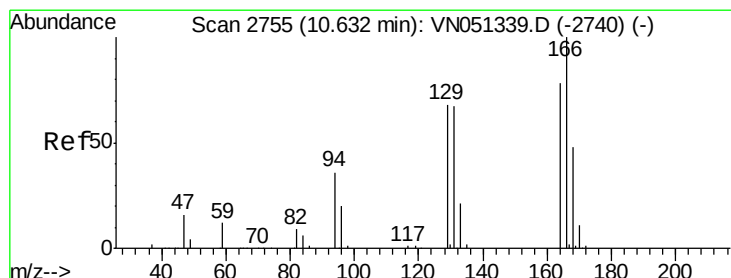
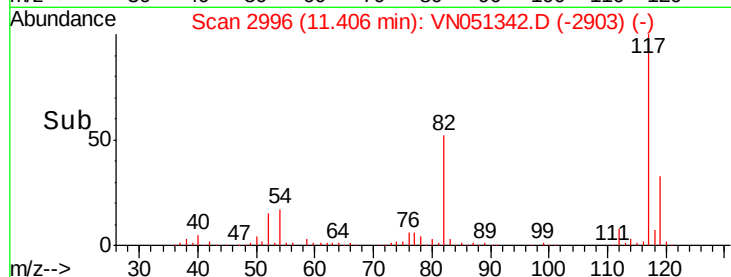
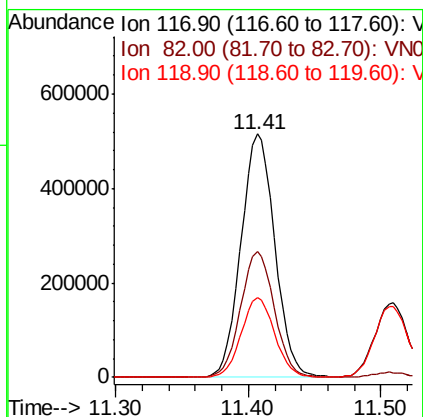
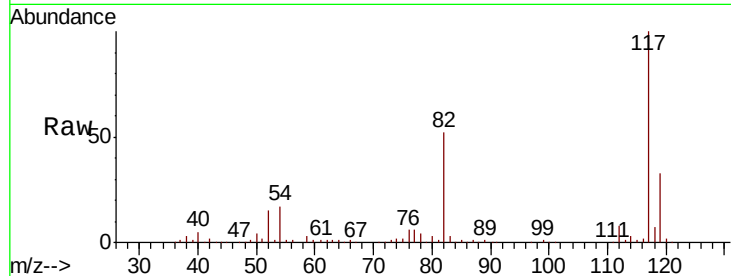
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	40.7	61.1
119	32.9	25.3	37.9

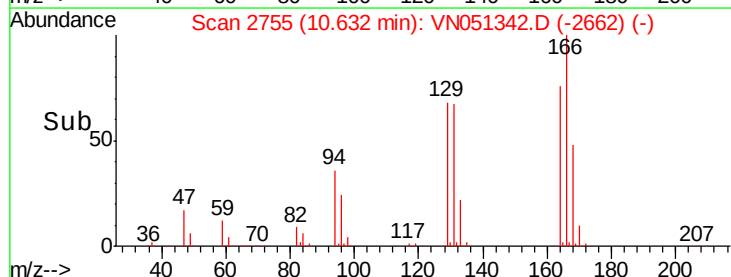
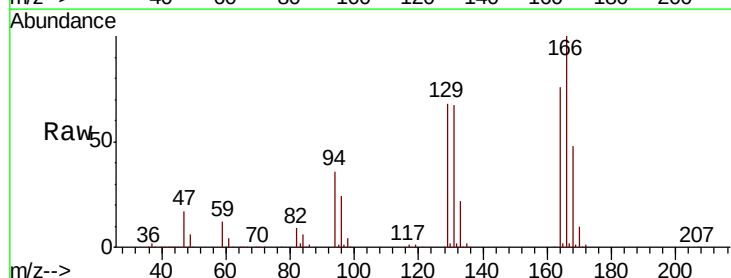
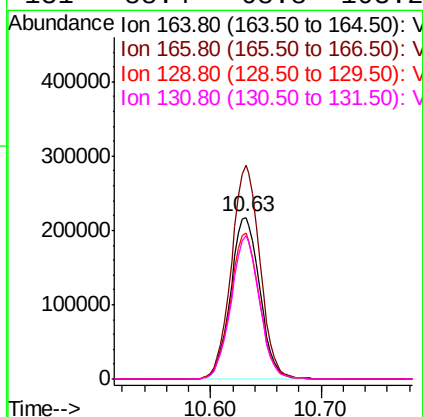
Manual Integrations
APPROVED

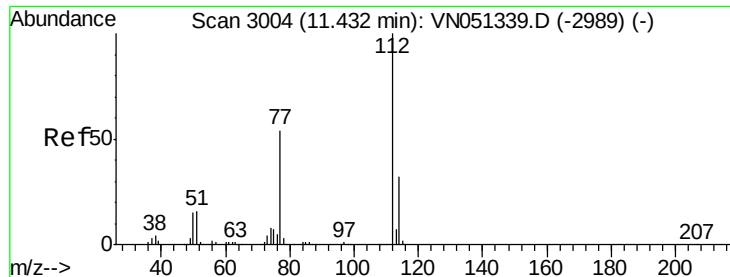
MMDadoda
9/24/2018 2:48:14 PM



#64
Tetrachloroethene
Concen: 49.976 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	102.1	153.1
129	90.3	69.4	104.2
131	88.4	68.8	103.2





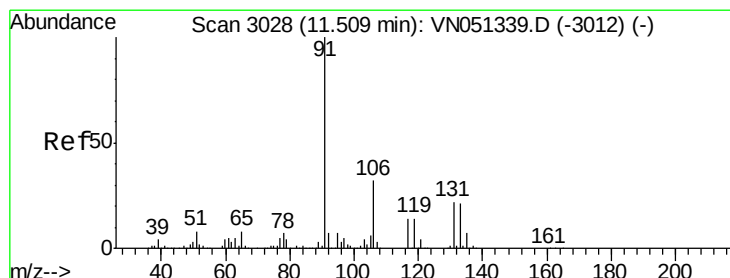
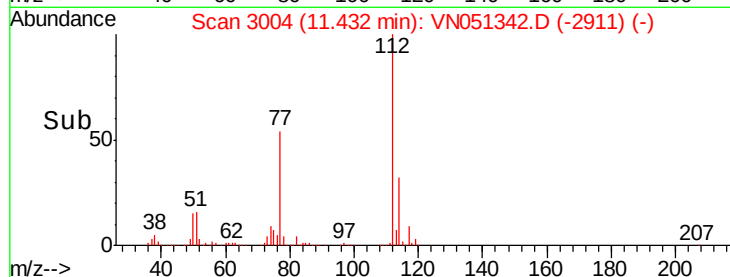
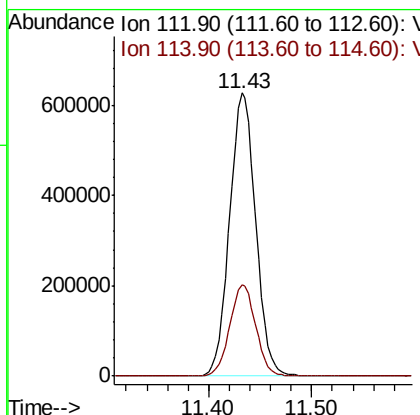
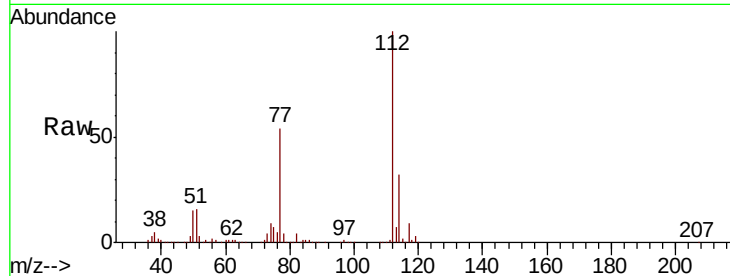
#65
Chlorobenzene
Concen: 50.618 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion:112 Resp: 1105375
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3

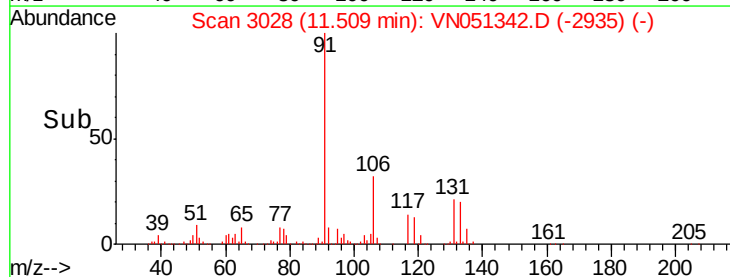
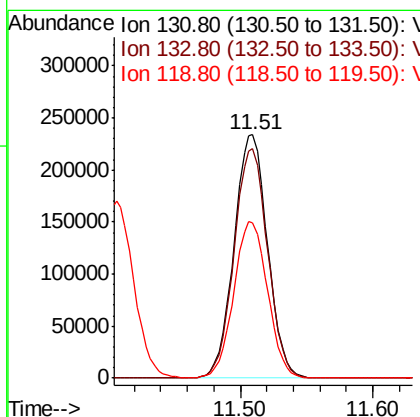
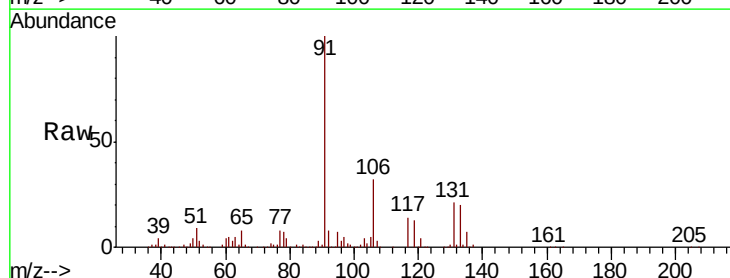
Manual Integrations
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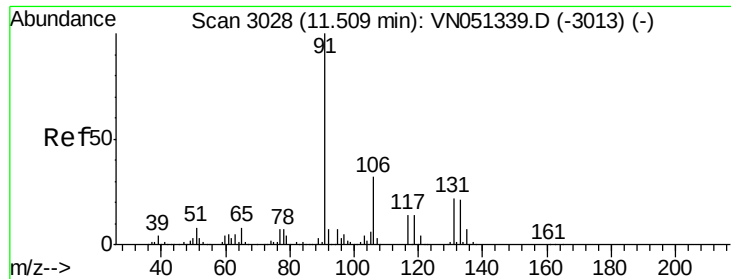
MMDadoda
9/24/2018 2:48:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.289 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion:131 Resp: 409760
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.2
119 64.9 32.6 97.7





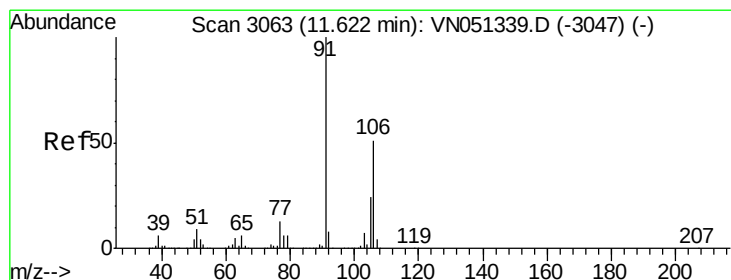
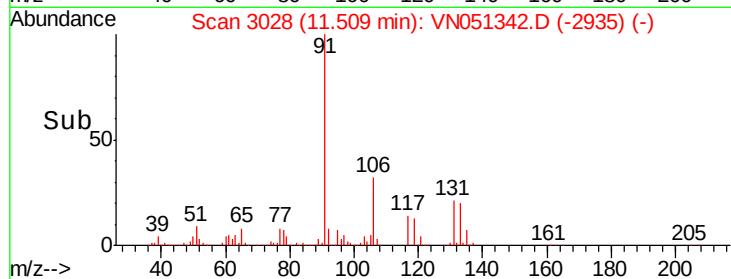
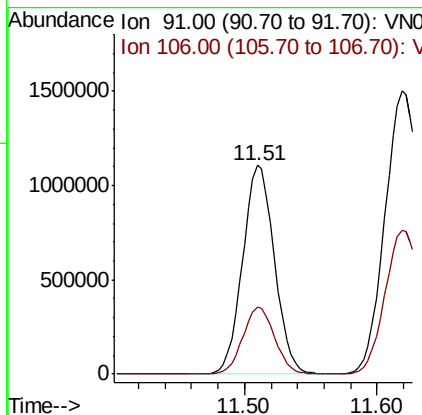
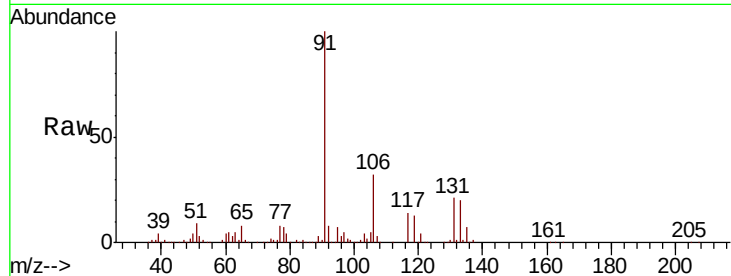
#67
Ethyl Benzene
Concen: 53.896 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampled :
ICVVN092018

Tot Ion: 91 Resp: 1841201
Ion Ratio Lower Upper
91 100
106 32.1 25.8 38.8

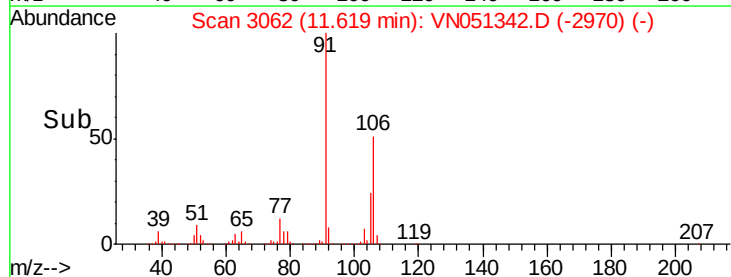
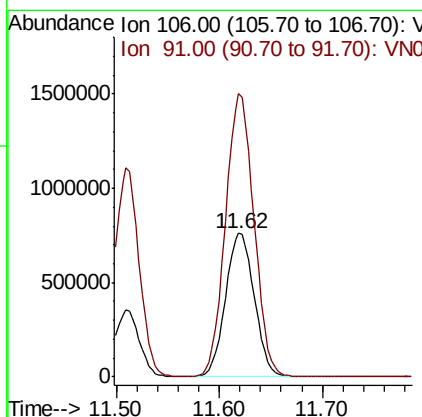
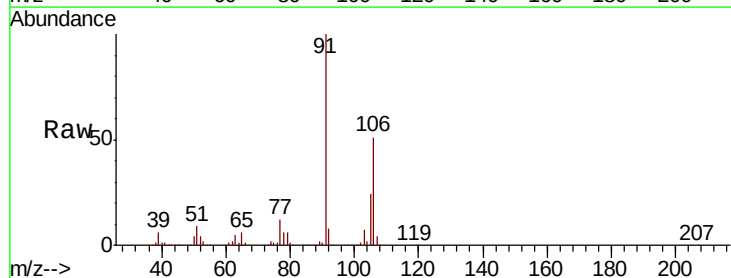
Manual Integrations
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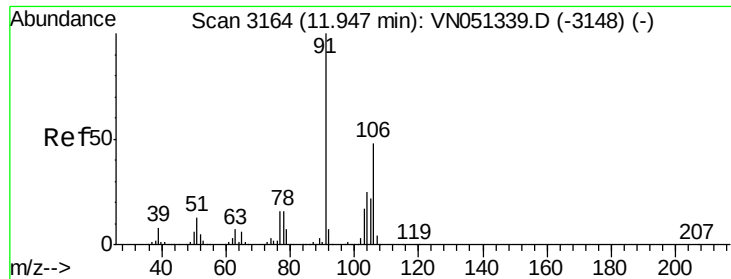
MMDadoda
9/24/2018 2:48:14 PM



#68
m/p-Xylenes
Concen: 110.269 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 106 Resp: 1479957
Ion Ratio Lower Upper
106 100
91 195.1 156.5 234.7





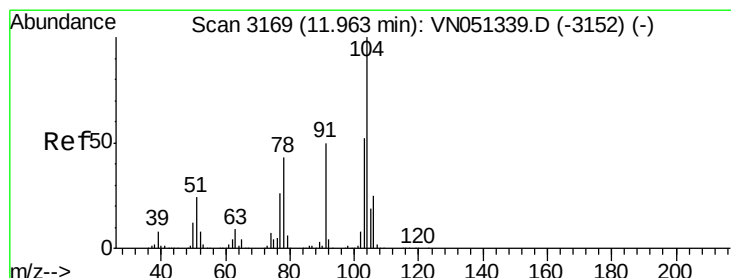
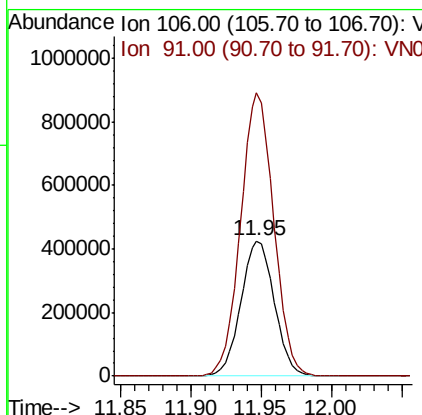
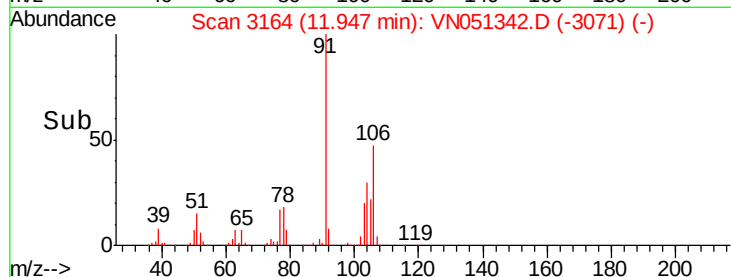
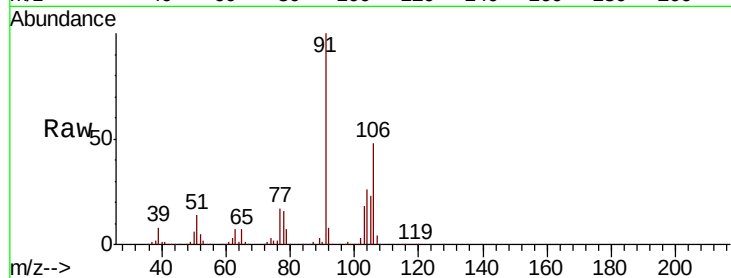
#69
o-Xylene
Concen: 54.675 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion	Ion	Ratio	Lower	Upper
707402	106	100		
	91	207.2	104.6	313.7

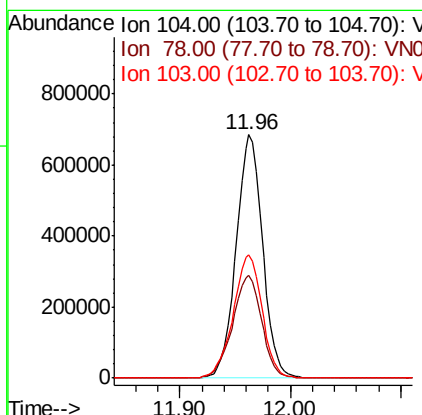
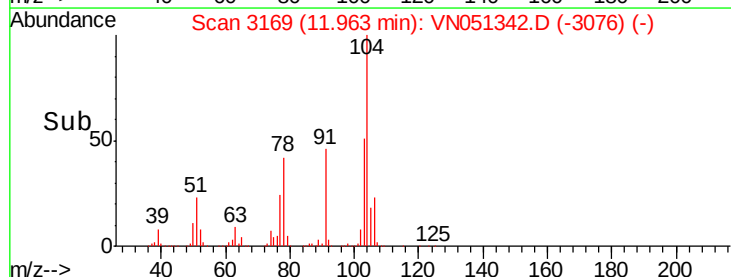
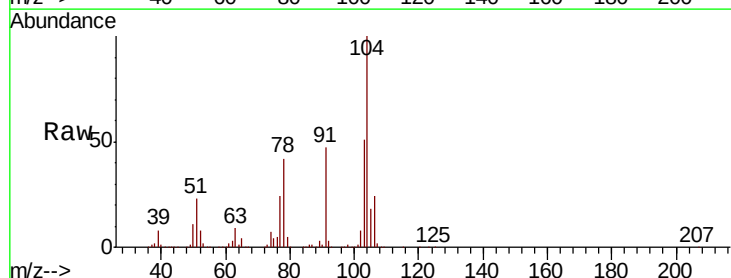
Manual Integrations
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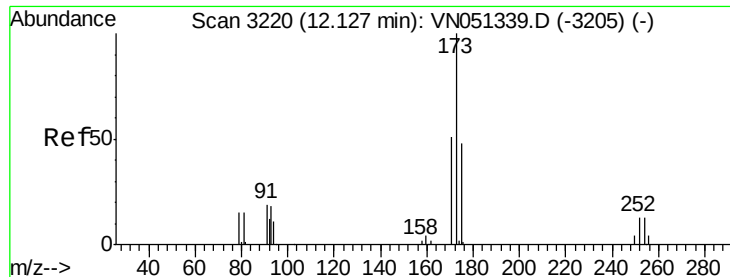
MMDadoda
9/24/2018 2:48:14 PM



#70
Styrene
Concen: 56.702 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion	Ion	Ratio	Lower	Upper
1138725	104	100		
	78	46.5	37.8	56.6
	103	55.3	44.3	66.5





#71

Bromoform

Concen: 50.862 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

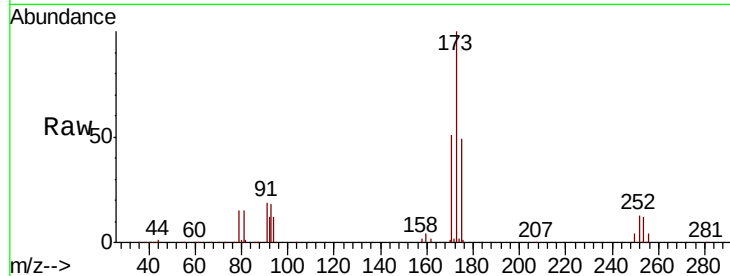
ClientSampleId :

ICVVN092018

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	73.0
254	0.2	0.1	0.1#

Manual Integrations
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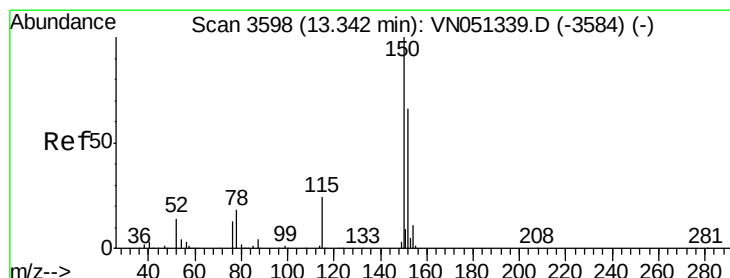
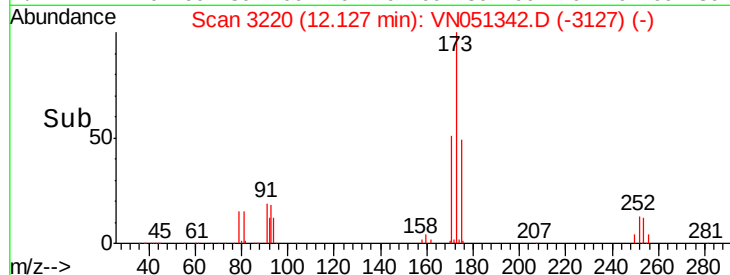
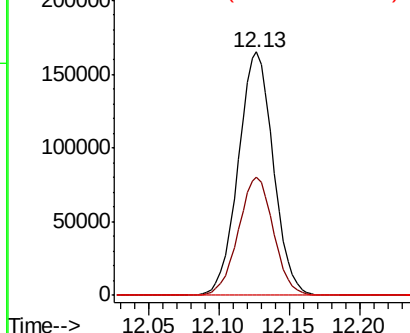


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

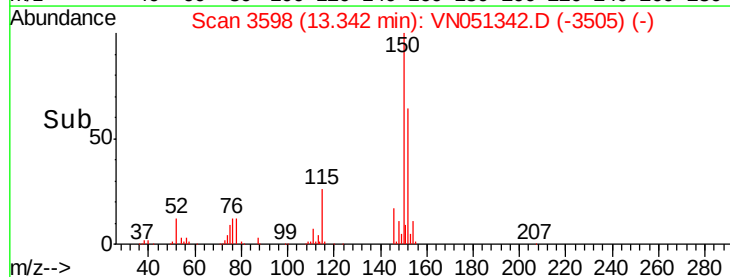
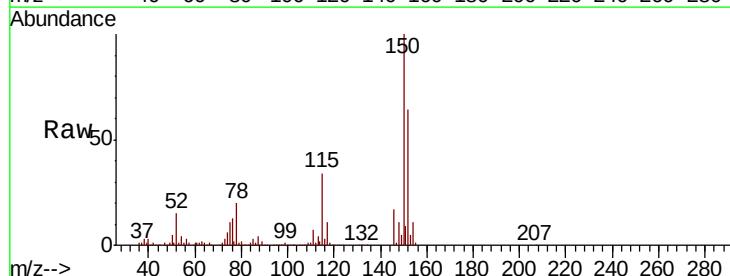
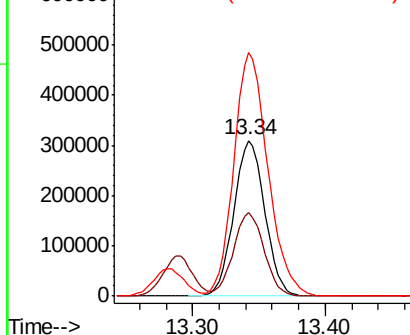
Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	26.9	80.7
150	172.4	0.0	345.0

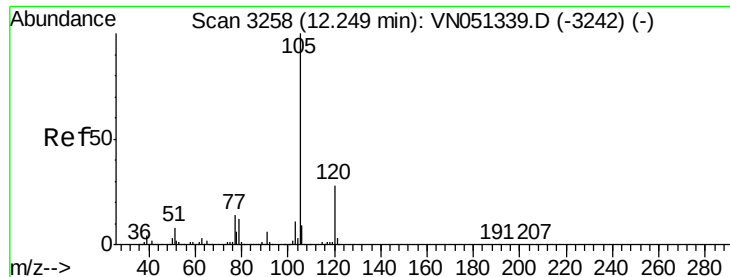
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





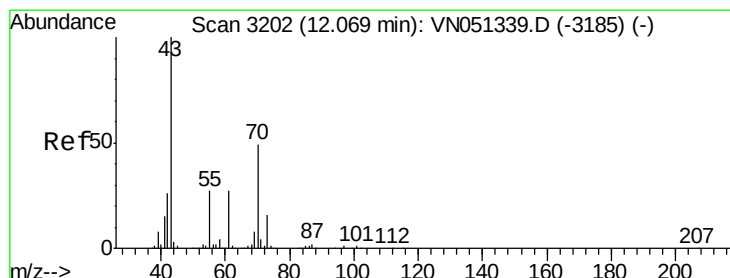
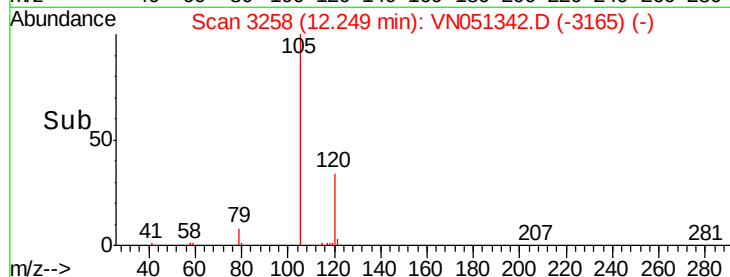
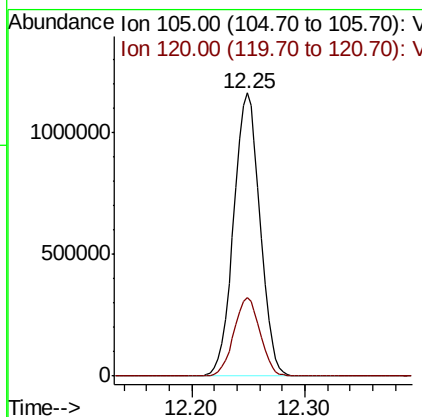
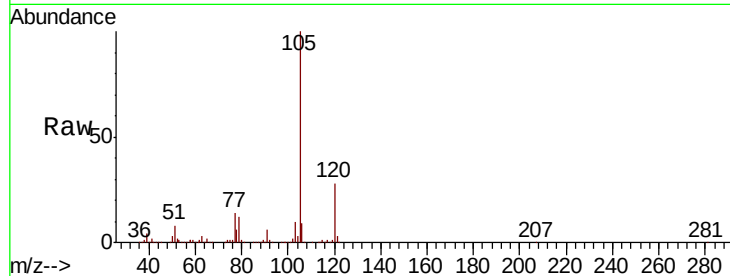
#73
Isopropylbenzene
Concen: 51.362 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion:105 Resp: 1883789
Ion Ratio Lower Upper
105 100
120 27.6 13.9 41.6

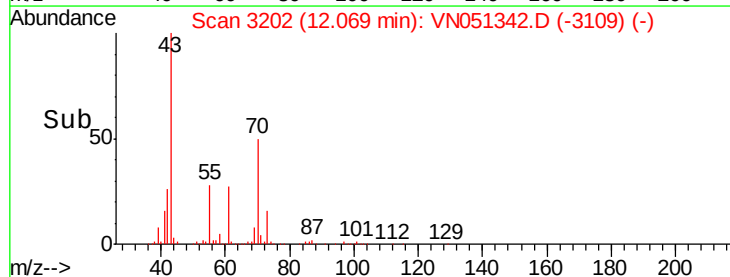
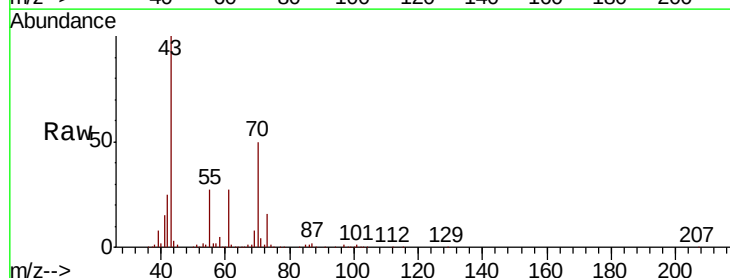
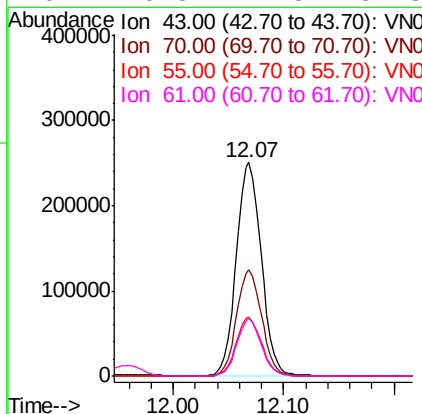
Manual Integrations
APPROVED

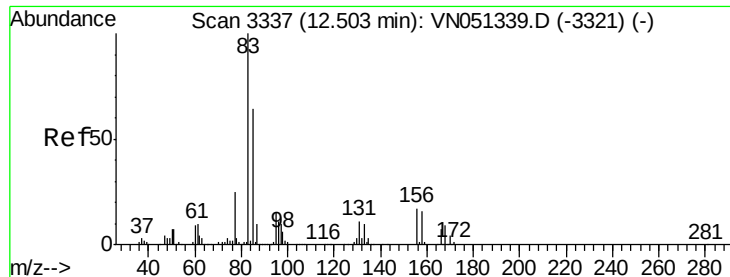
MMDadoda
9/24/2018 2:48:14 PM



#74
N-ethyl acetate
Concen: 50.148 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion: 43 Resp: 393494
Ion Ratio Lower Upper
43 100
70 50.1 39.5 59.3
55 28.0 22.6 34.0
61 26.3 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 43.680 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

Tot Ion: 83 Resp: 395368

Ion Ratio Lower Upper

83 100

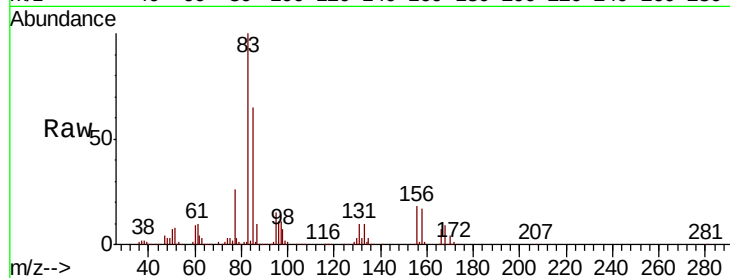
131 11.2 5.5 16.7

85 64.1 32.3 96.9

Manual Integrations
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MMDadoda

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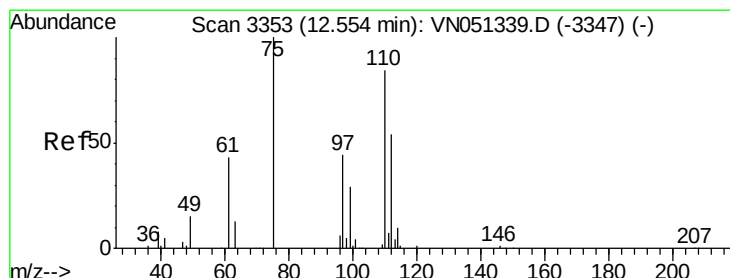
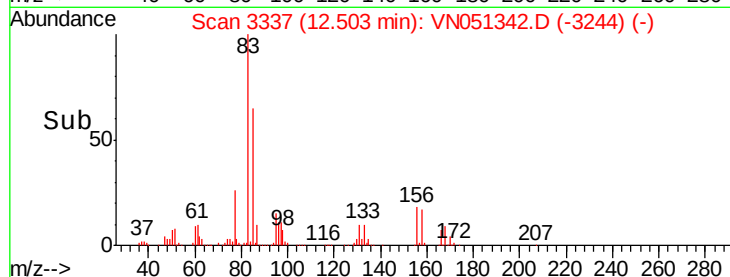


Abundance Ion 82.90 (82.60 to 83.60): VN051339.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN051339.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN051339.D (-3321) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 46.541 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051342.D

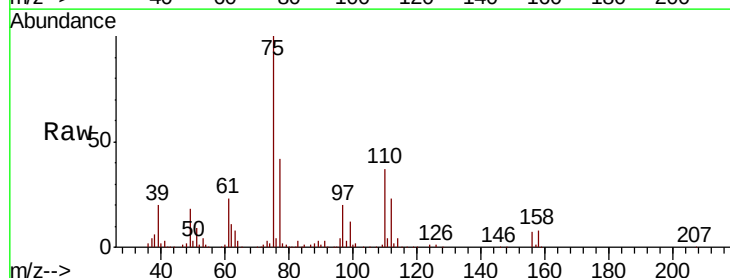
Acq: 20 Sep 2018 16:08

Tgt Ion: 75 Resp: 336341

Ion Ratio Lower Upper

75 100

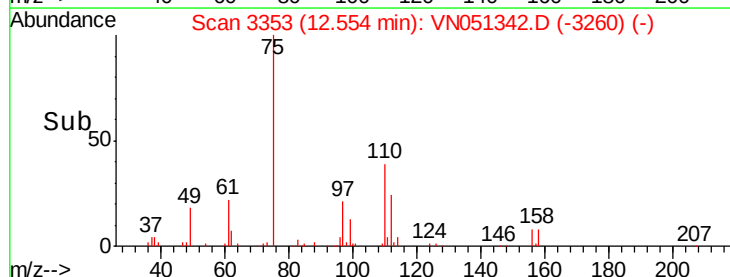
77 0.0 0.0 0.0

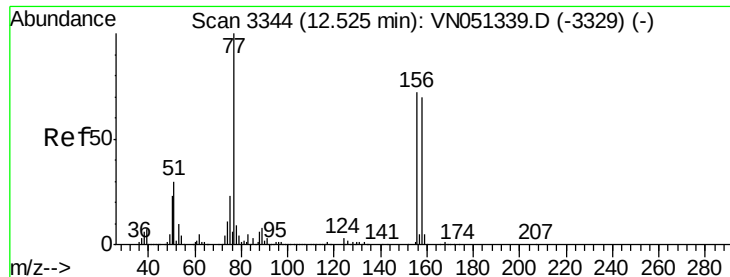


Abundance Ion 74.90 (74.60 to 75.60): VN051339.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN051339.D (-3347) (-)

Time-->





#77

Bromobenzene

Concen: 48.375 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

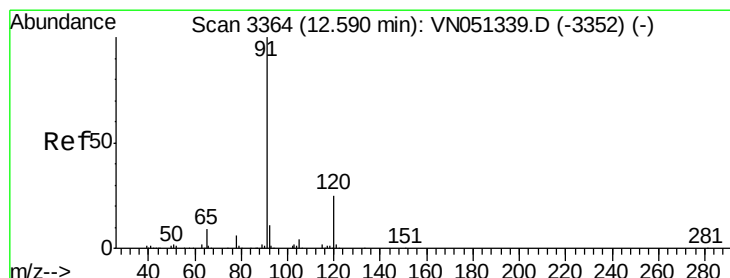
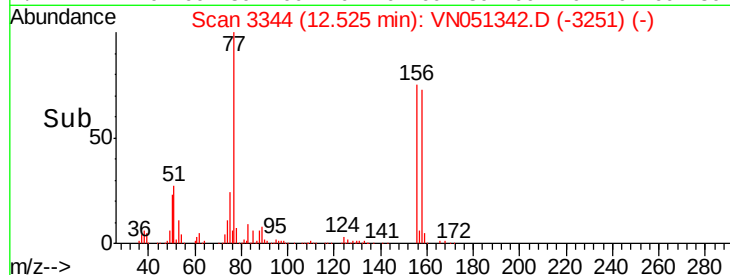
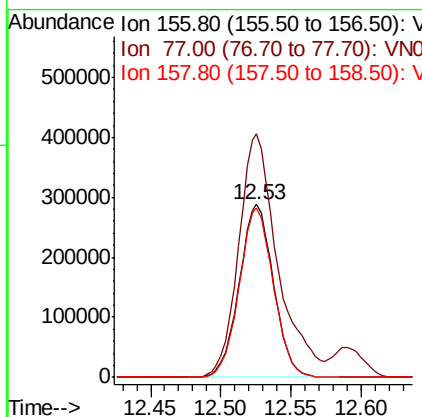
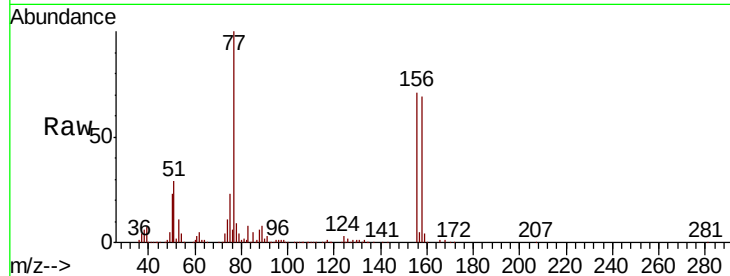
ClientSampleId :

ICVVN092018

Tot Ion:	156	Resp:	490205
Ion Ratio	Lower	Upper	
156	100		
77	161.0	80.8	242.4
158	97.7	48.8	146.3

Manual Integrations
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9/24/2018 2:48:14 PM



#78

n-propylbenzene

Concen: 52.858 ug/l

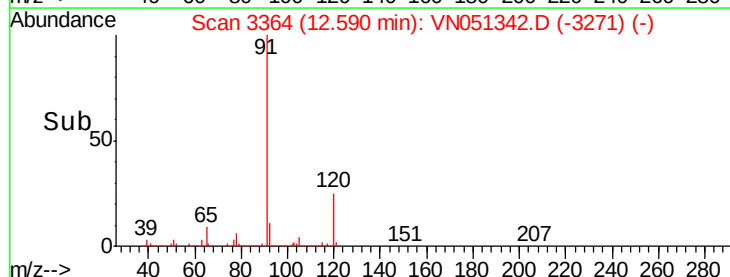
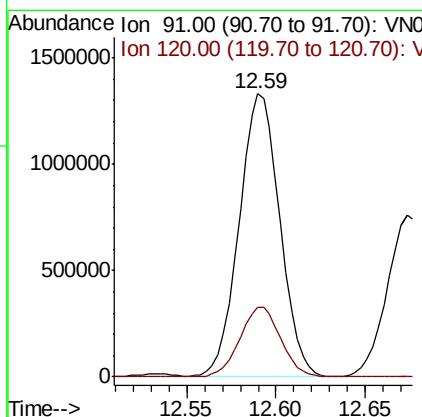
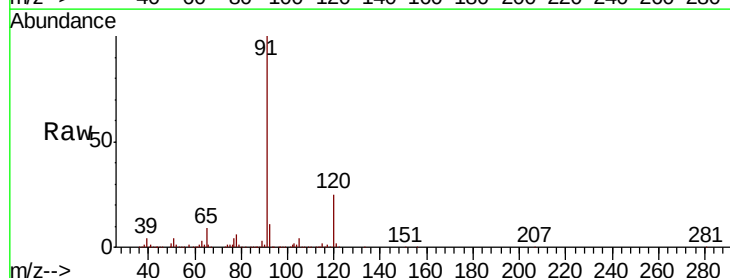
RT: 12.59 min Scan# 3364

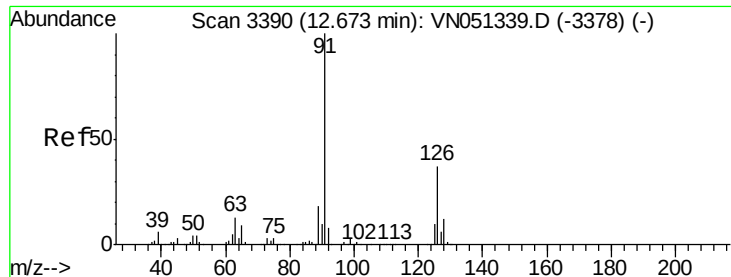
Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Tgt Ion:	91	Resp:	2113535
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.4	37.2





#79

2-Chlorotoluene

Concen: 50.266 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampled :

ICVVN092018

Tot Ion: 91 Resp: 1238639

Ion Ratio Lower Upper

91 100

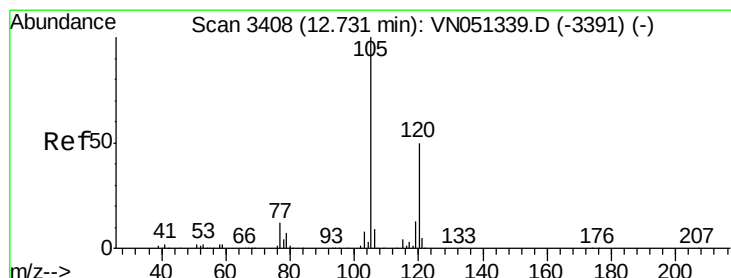
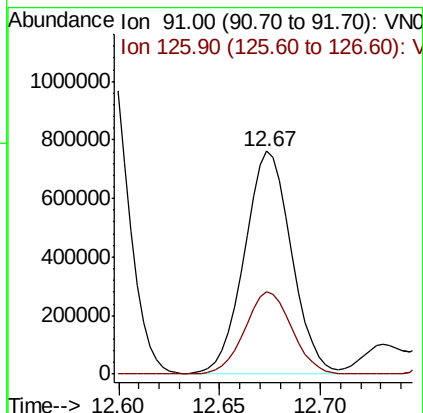
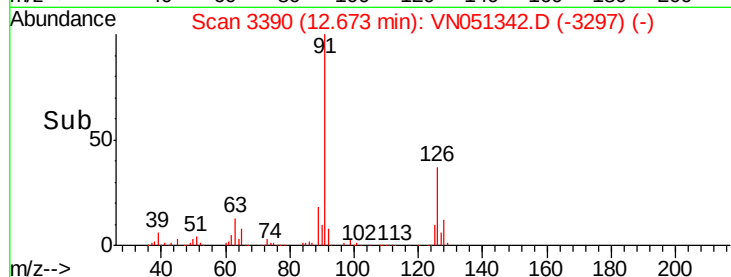
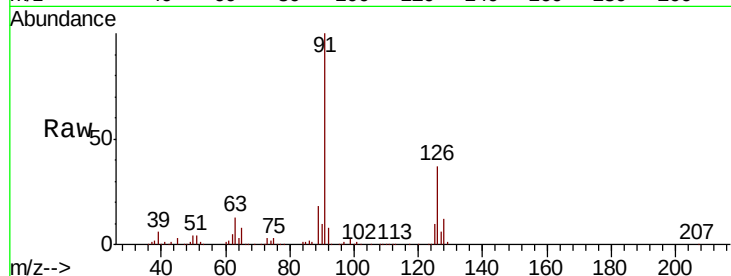
126 37.2 18.6 55.8

Manual Integrations

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9/24/2018 2:48:14 PM



#80

1,3,5-Trimethylbenzene

Concen: 53.593 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051342.D

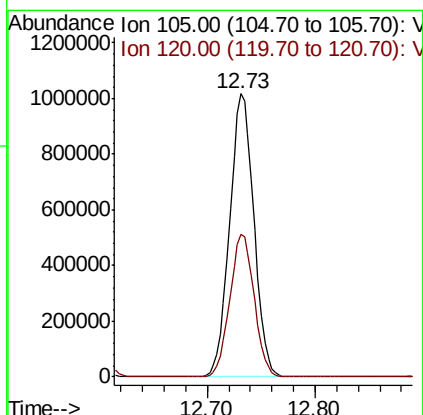
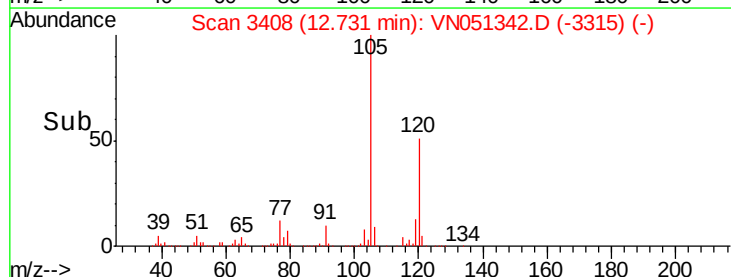
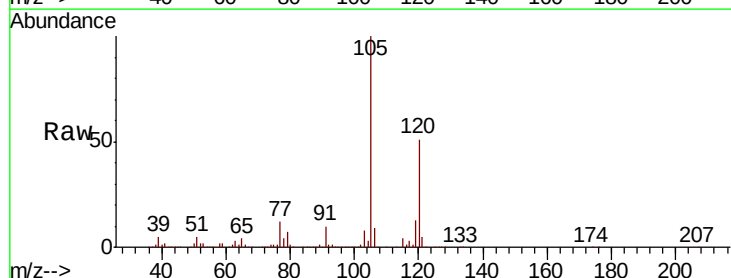
Acq: 20 Sep 2018 16:08

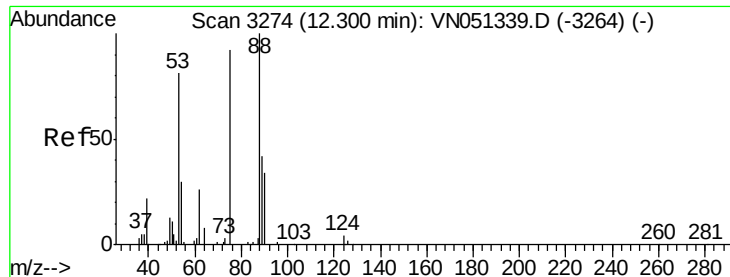
Tgt Ion: 105 Resp: 1593480

Ion Ratio Lower Upper

105 100

120 50.6 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 54.070 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092018

Tot Ion: 75 Resp: 112870

Ion Ratio Lower Upper

75 100

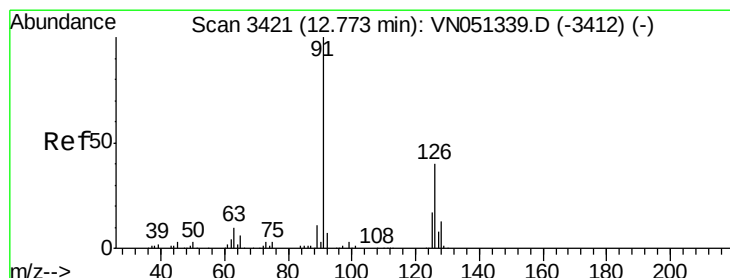
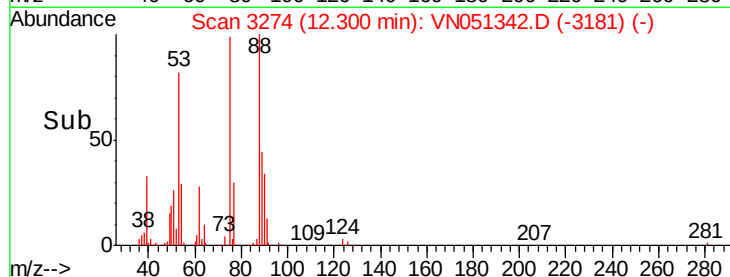
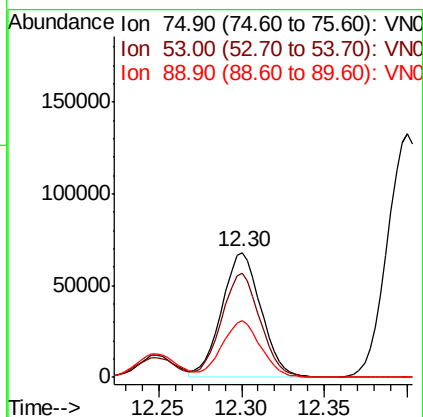
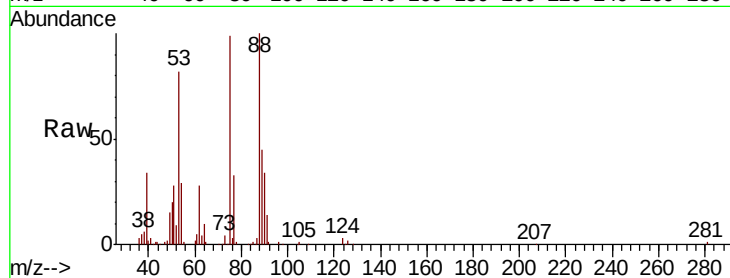
53 81.3 69.9 104.9

89 44.7 37.9 56.9

Manual Integrations
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9/24/2018 2:48:14 PM



#82

4-Chlorotoluene

Concen: 52.336 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051342.D

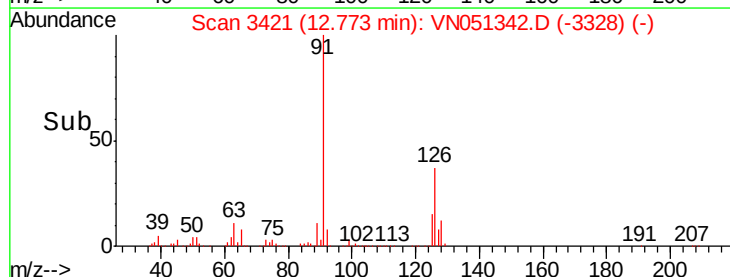
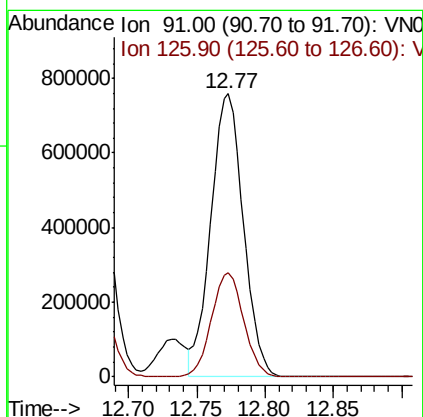
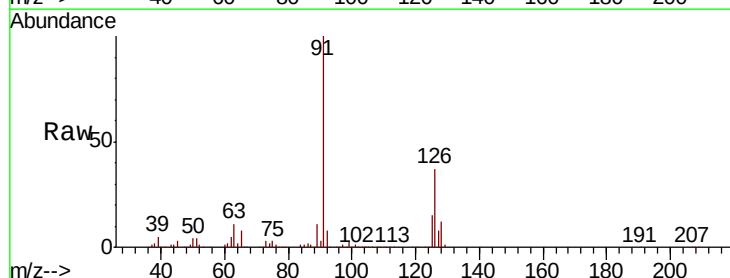
Acq: 20 Sep 2018 16:08

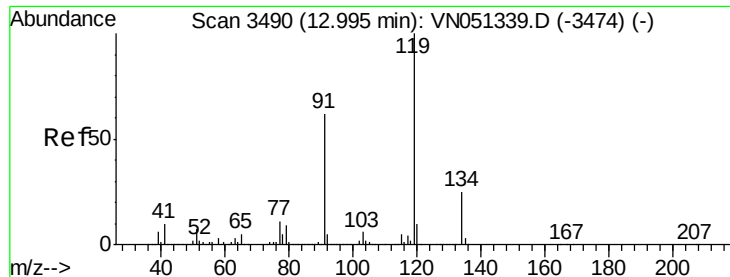
Tgt Ion: 91 Resp: 1253499

Ion Ratio Lower Upper

91 100

126 36.6 18.3 54.9





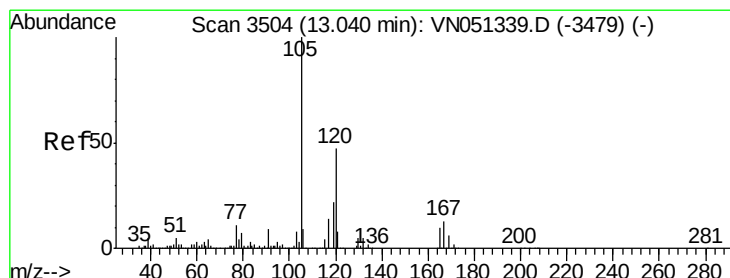
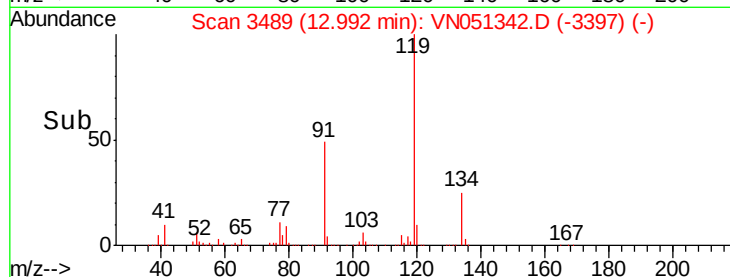
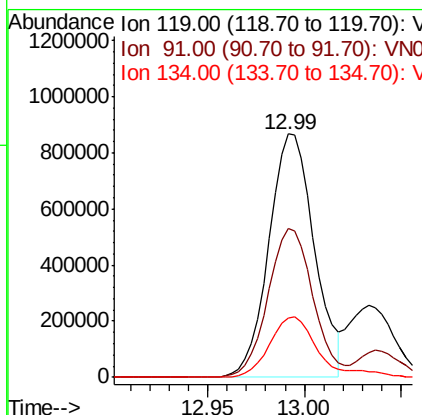
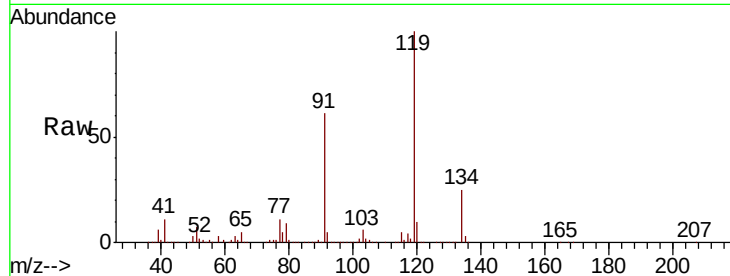
#83
 tert-Butylbenzene
 Concen: 53.194 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

Tot Ion:119 Resp: 1415663
 Ion Ratio Lower Upper
 119 100
 91 60.5 30.6 91.8
 134 26.9 12.6 37.6

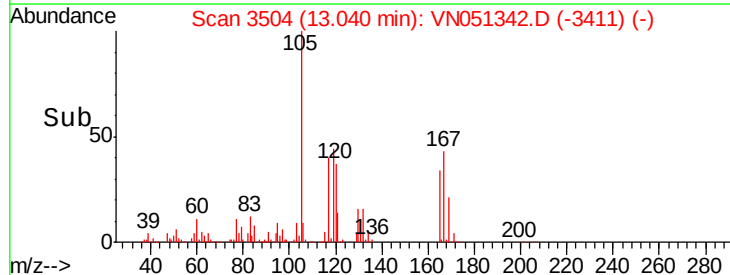
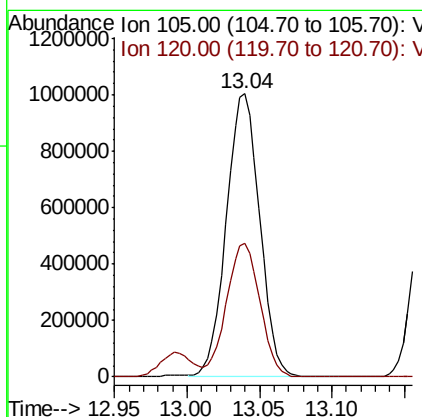
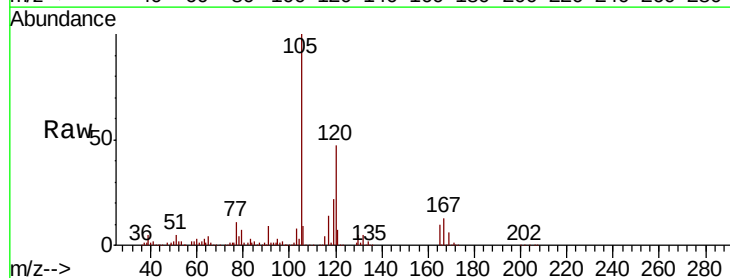
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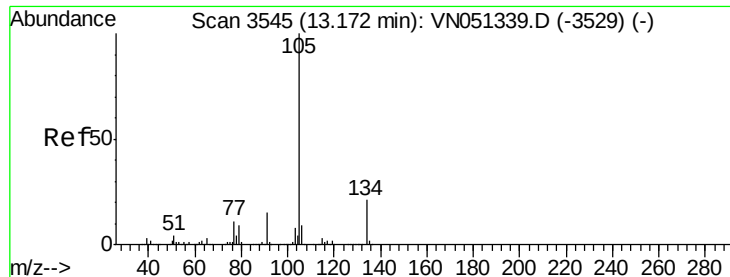
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 9/24/2018 2:48:14 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.084 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion:105 Resp: 1596067
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.5 70.6





#85

sec-Butylbenzene

Concen: 54.166 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

ClientSampled :

ICVVN092018

Tot Ion:105 Resp: 1917015

Ion Ratio Lower Upper

105 100

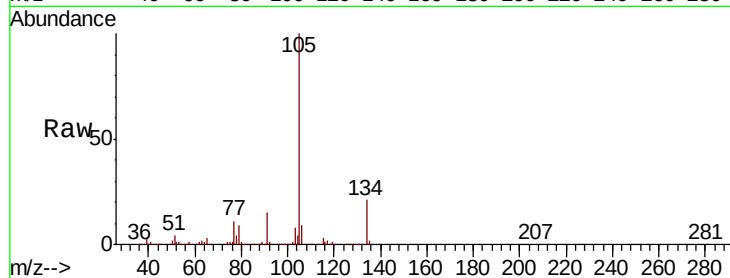
134 21.3 10.8 32.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

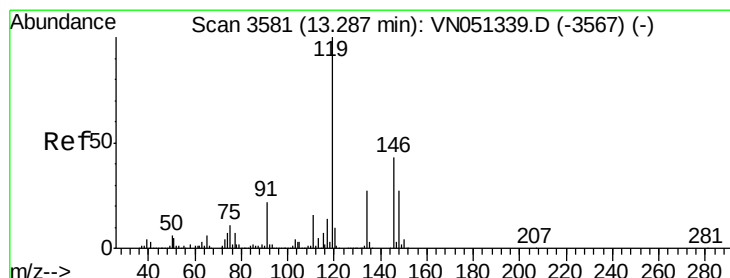
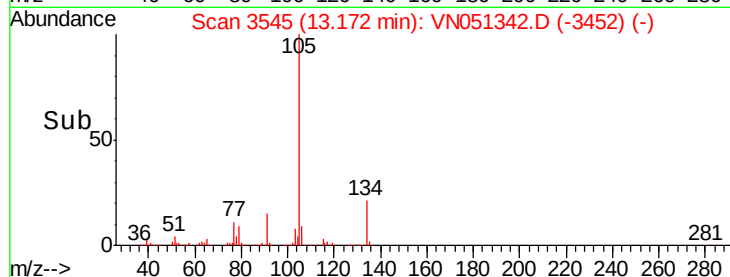
13.17

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 55.965 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

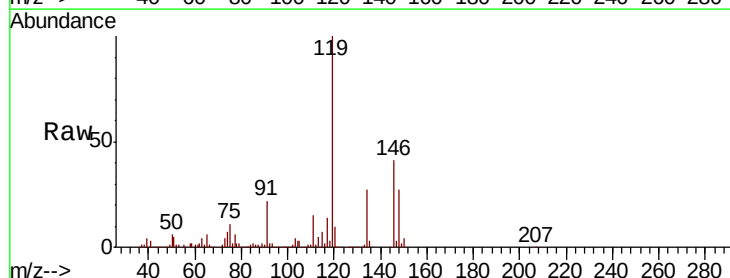
Tgt Ion:119 Resp: 1723778

Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

91 21.6 10.8 32.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

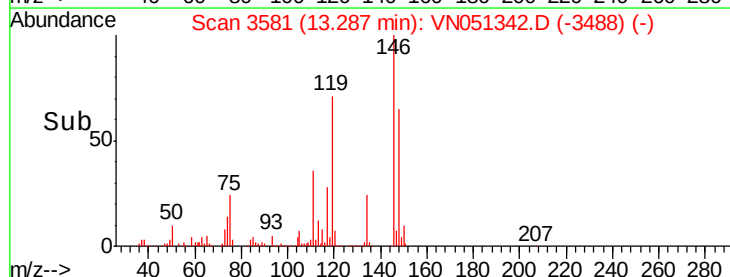
1500000

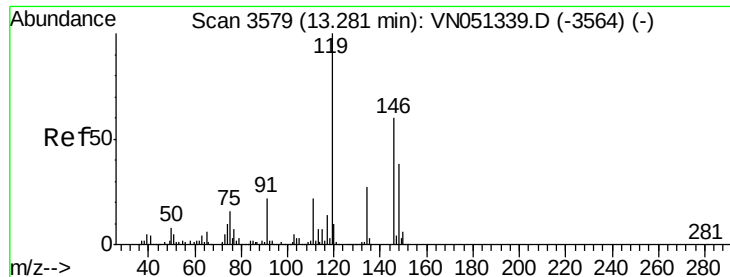
1000000

500000

0

Time-->





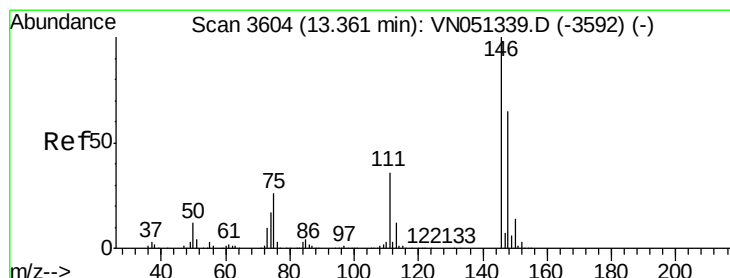
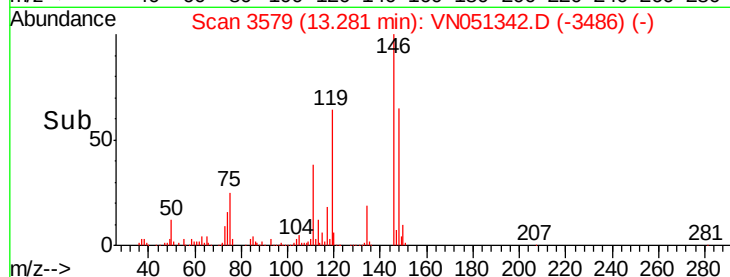
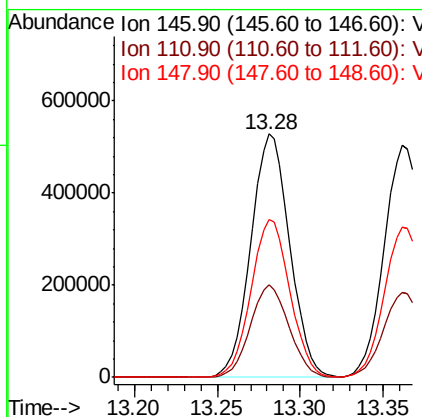
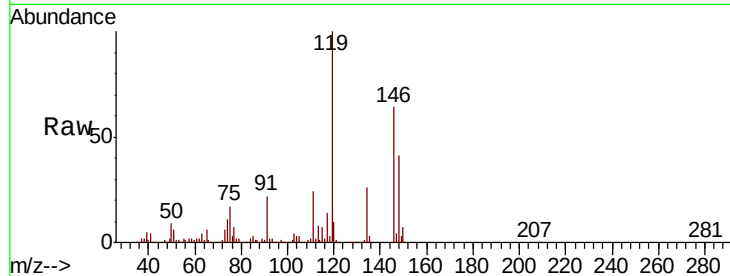
#87
 1,3-Dichlorobenzene
 Concen: 50.745 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.8
148	64.8	31.9	95.7

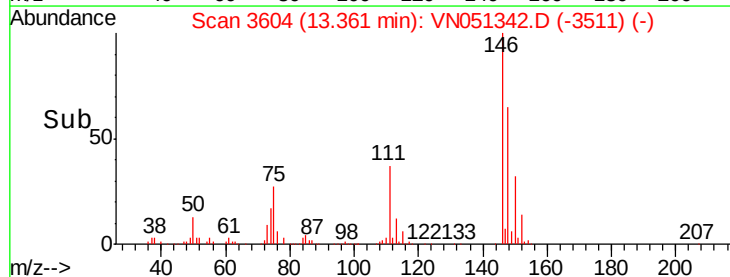
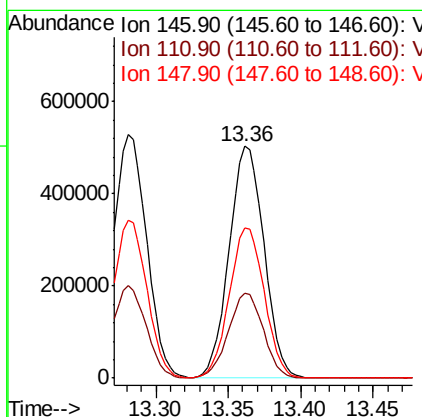
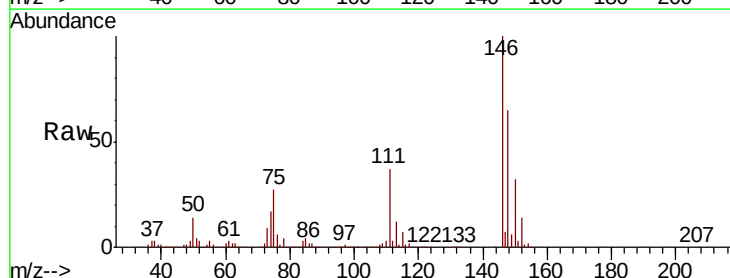
Manual Integrations
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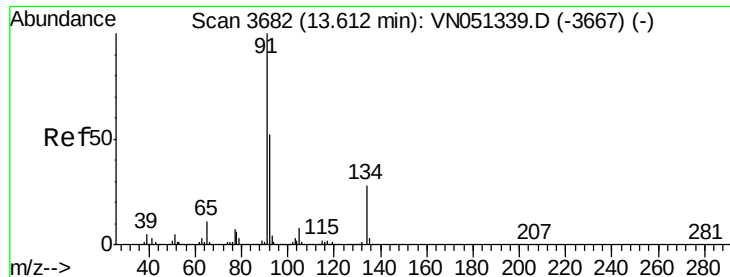
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#88
 1,4-Dichlorobenzene
 Concen: 50.885 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.2	54.6
148	65.0	32.5	97.4





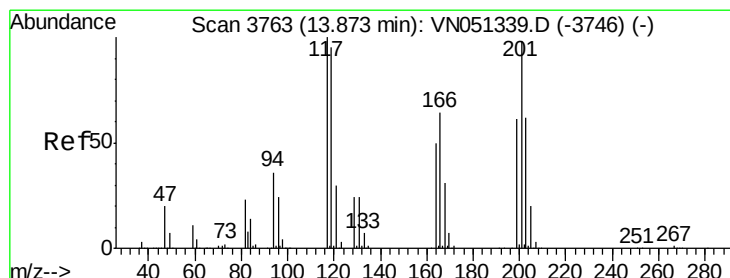
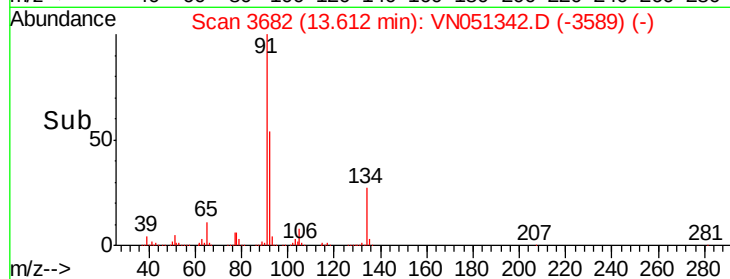
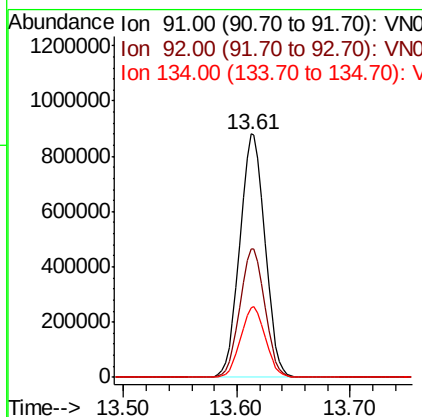
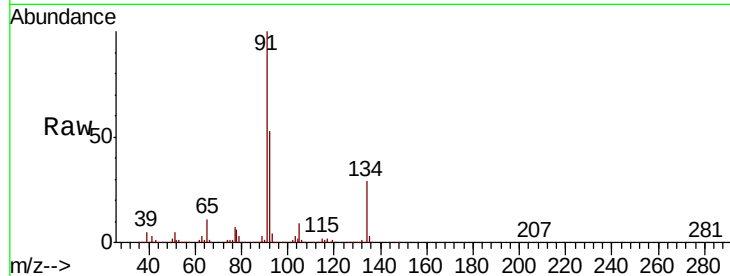
#89
n-Butylbenzene
Concen: 57.116 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092018

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	28.6	14.1	42.4

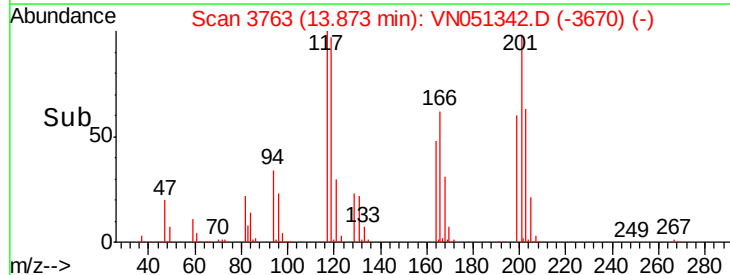
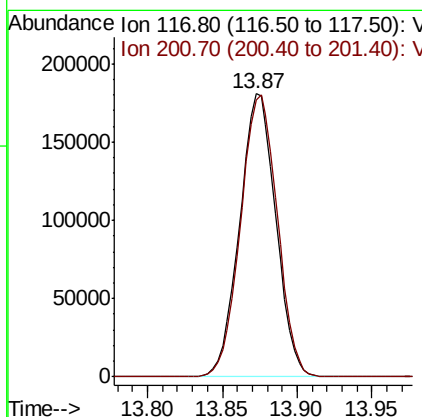
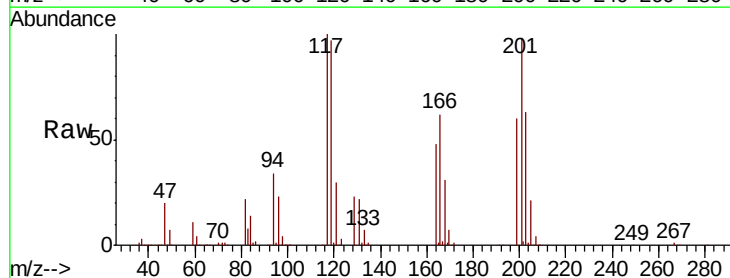
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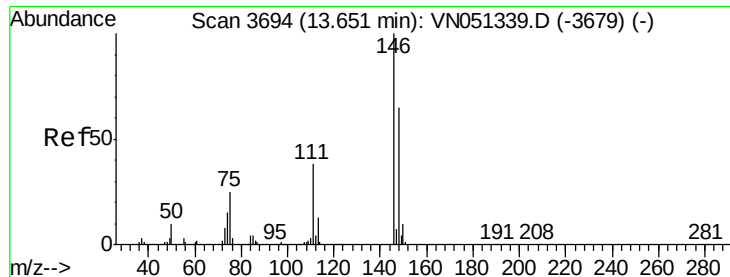
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#90
Hexachloroethane
Concen: 46.222 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051342.D
Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.0	49.5	148.3





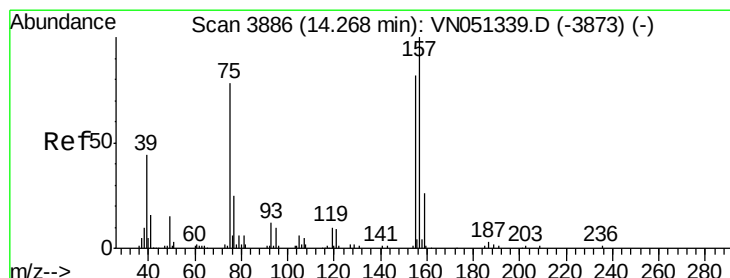
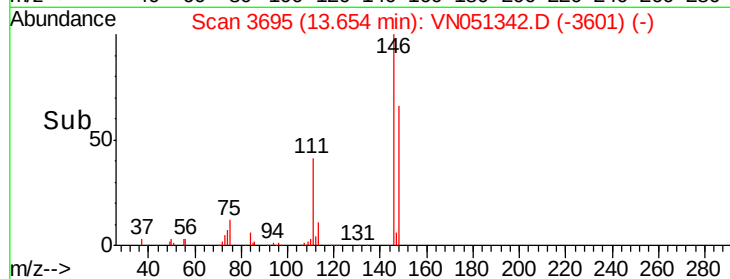
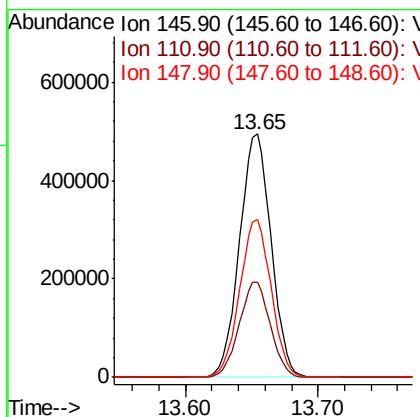
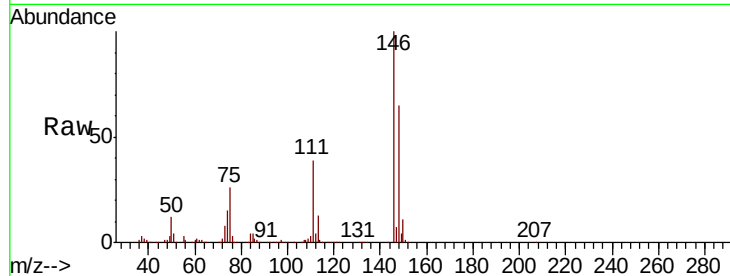
#91
 1,2-Dichlorobenzene
 Concen: 49.731 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

Tot Ion	Ratio	Resp	Lower	Upper
146	100	818298		
111	38.7	19.3	57.8	
148	64.6	32.9	98.7	

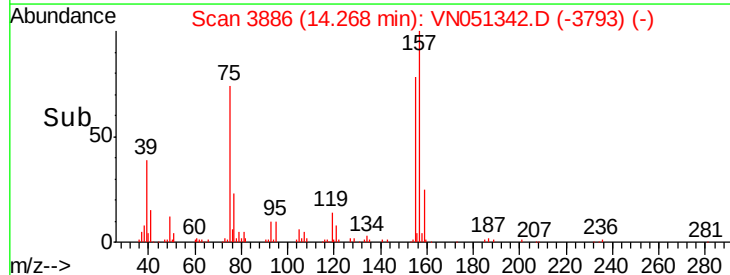
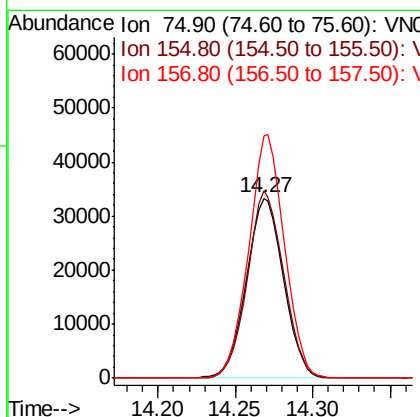
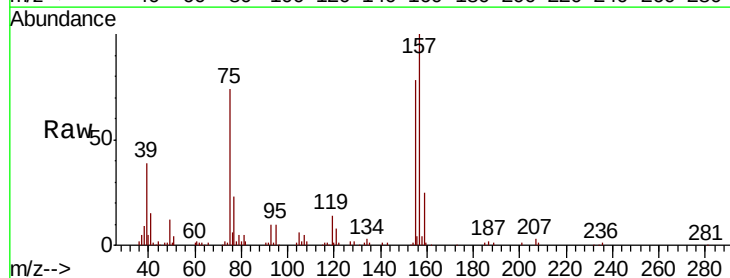
Manual Integrations
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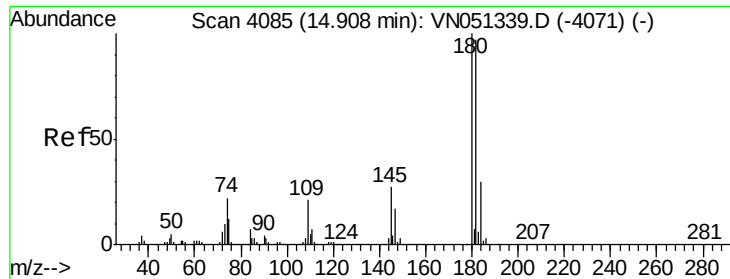
MMDadoda
 9/24/2018 2:48:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.634 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	55906		
155	100.8	51.4	154.2	
157	129.7	65.4	196.2	





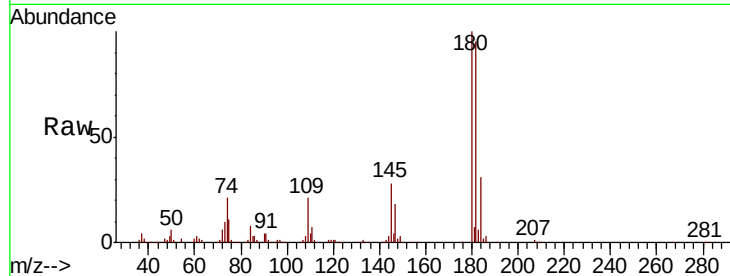
#93
 1,2,4-Trichlorobenzene
 Concen: 62.032 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092018

Tot Ion	Ratio	Resp	Lower	Upper
180	100	467907		
182	95.5	48.4	145.2	
145	27.5	13.7	41.1	

Manual Integrations
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MMDadoda
 9/24/2018 2:48:14 PM

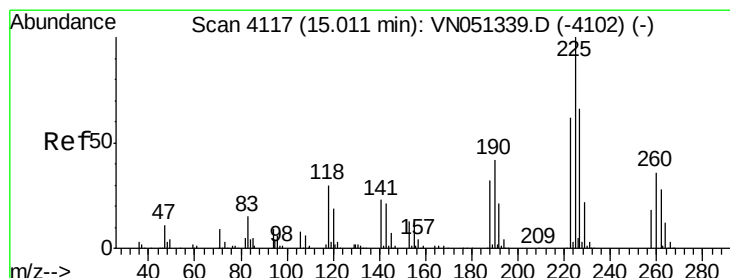
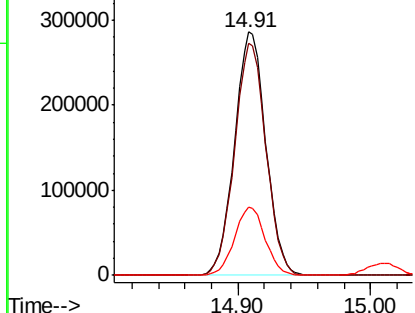
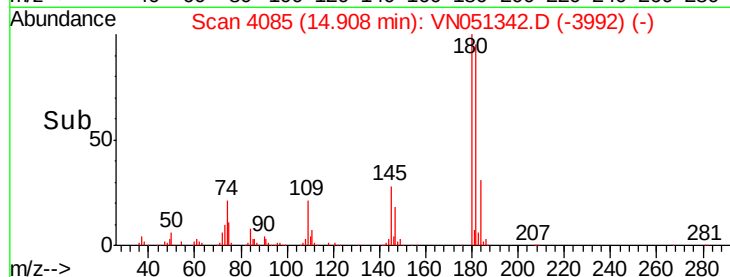


Abundance

Ion 179.80 (179.50 to 180.50): V

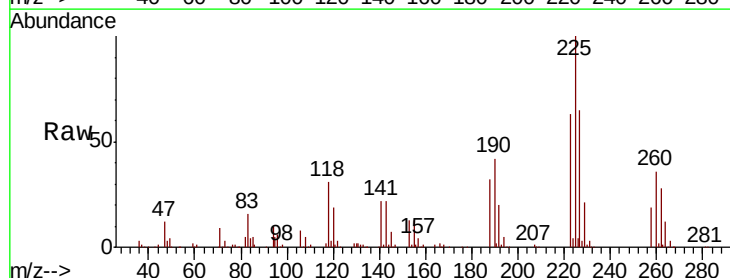
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 51.907 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051342.D
 Acq: 20 Sep 2018 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	331462		
223	62.4	31.2	93.6	
227	64.2	32.8	98.4	

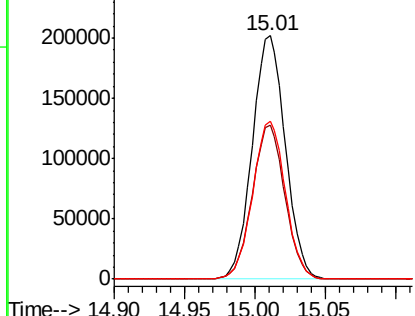
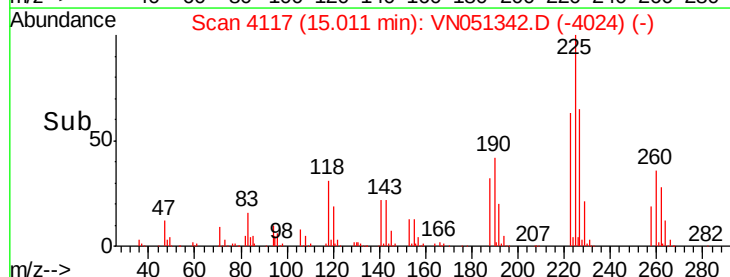


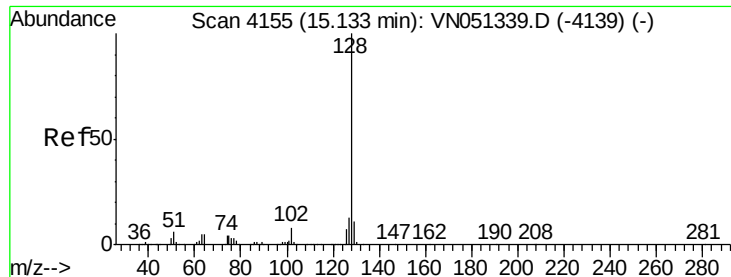
Abundance

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: 62.531 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Instrument :

MSVOA_N

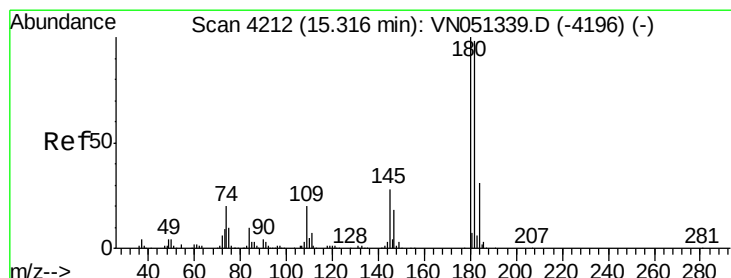
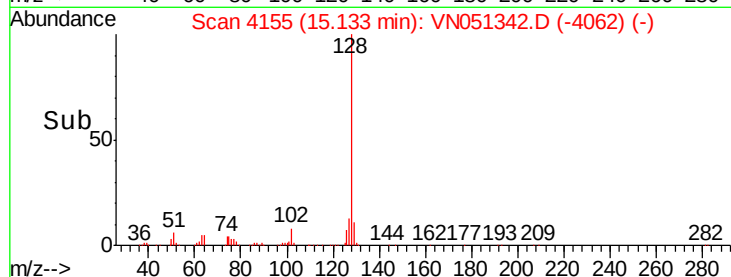
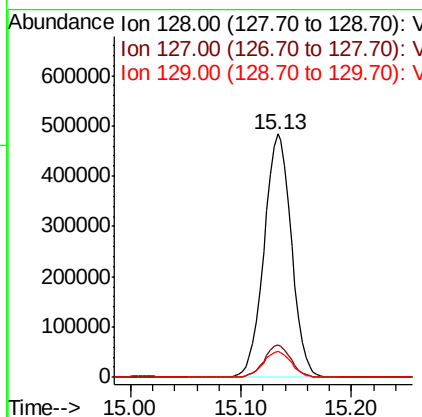
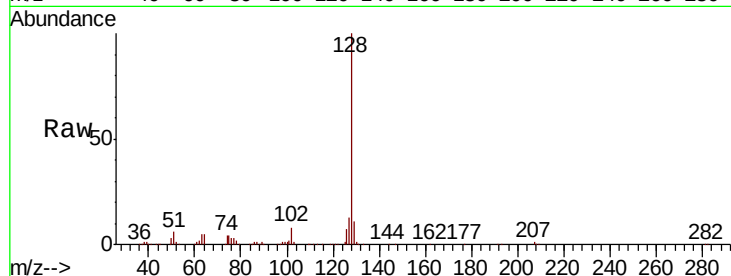
ClientSampled :

ICVVN092018

Tot Ion:	128	Resp:	831456
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 60.819 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051342.D

Acq: 20 Sep 2018 16:08

Tgt Ion:	180	Resp:	456432
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.1	144.3
145	29.2	14.3	42.9

