

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050016.D
 Acq On : 23 Jul 2018 20:02
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072418

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 1:51:06 PM

Quant Time: Jul 24 06:29:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	688259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1022060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	930807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	485140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	455688	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	7.59	113	405458	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.09	98	1517289	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	512090	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	523202	52.91	ug/l	100
3) Chloromethane	2.06	50	527794	49.10	ug/l	100
4) Vinyl Chloride	2.18	62	545503	48.19	ug/l	99
5) Bromomethane	2.55	94	336644	53.63	ug/l	99
6) Chloroethane	2.69	64	312270	45.93	ug/l	100
7) Trichlorofluoromethane	3.01	101	694567	47.36	ug/l	100
8) Diethyl Ether	3.41	74	246611	50.44	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	417917	47.39	ug/l	100
10) Methyl Iodide	3.95	142	546041	48.24	ug/l	99
11) Tert butyl alcohol	4.80	59	180807	255.90	ug/l	100
12) 1,1-Dichloroethene	3.73	96	387691	48.87	ug/l	96
13) Acrolein	3.61	56	152745	269.07	ug/l	97
14) Allyl chloride	4.32	41	628590	51.10	ug/l	98
15) Acrylonitrile	5.00	53	772536	250.61	ug/l	100
16) Acetone	3.82	43	573537	253.62	ug/l	99
17) Carbon Disulfide	4.05	76	1195094	49.18	ug/l	100
18) Methyl Acetate	4.33	43	452130	51.44	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1112813	52.64	ug/l	99
20) Methylene Chloride	4.55	84	434266	51.03	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	417952	49.72	ug/l	99
22) Diisopropyl ether	5.96	45	1285955	52.73	ug/l	100
23) Vinyl Acetate	5.90	43	4606888	267.29	ug/l	99
24) 1,1-Dichloroethane	5.85	63	769225	48.23	ug/l	99
25) 2-Butanone	6.84	43	926106	252.84	ug/l	100
26) 2,2-Dichloropropane	6.83	77	548076	45.17	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	457375	50.55	ug/l	100
28) Bromochloromethane	7.20	49	361828	49.74	ug/l	100
29) Tetrahydrofuran	7.22	42	617381	260.85	ug/l	99
30) Chloroform	7.37	83	769994	47.31	ug/l	99
31) Cyclohexane	7.66	56	673037	50.89	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	666795	47.90	ug/l	100
36) 1,1-Dichloropropene	7.80	75	591582	51.38	ug/l	99
37) Ethyl Acetate	6.94	43	406871	50.68	ug/l	100
38) Carbon Tetrachloride	7.78	117	590222	48.31	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	632526	53.40	ug/l	98
40) Benzene	8.04	78	1764948	50.37	ug/l	100
41) Methacrylonitrile	7.18	41	209028	49.99	ug/l	84
42) 1,2-Dichloroethane	8.13	62	567821	48.57	ug/l	100
43) Isopropyl Acetate	8.17	43	751657	49.68	ug/l	99
44) Trichloroethene	8.84	130	463299	49.21	ug/l	99
45) 1,2-Dichloropropane	9.12	63	457907	49.34	ug/l	98
46) Dibromomethane	9.21	93	283718	49.23	ug/l	98
47) Bromodichloromethane	9.41	83	591099	48.60	ug/l	99
48) Methyl methacrylate	9.20	41	363017	52.50	ug/l	99
49) 1,4-Dioxane	9.20	88	99840	1061.06	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2059243	260.92	ug/l	99
52) Toluene	10.16	92	1074692	51.96	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	603935	52.62	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	678627	51.74	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	402809	49.10	ug/l	98
56) Ethyl methacrylate	10.43	69	536818	48.37	ug/l	100
57) 1,3-Dichloropropane	10.71	76	674729	50.51	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1246497	240.41	ug/l	100
59) 2-Hexanone	10.75	43	1404885	242.41	ug/l	99
60) Dibromochloromethane	10.90	129	454202	50.00	ug/l	99
61) 1,2-Dibromoethane	11.01	107	403713	49.60	ug/l	99
64) Tetrachloroethene	10.63	164	433460	48.44	ug/l	98
65) Chlorobenzene	11.44	112	1158529	49.27	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	434695	48.12	ug/l	99
67) Ethyl Benzene	11.51	91	2005471	53.10	ug/l	100
68) m/p-Xylenes	11.63	106	1545097	108.16	ug/l	100
69) o-Xylene	11.95	106	739752	54.32	ug/l	99
70) Styrene	11.97	104	1201433	49.61	ug/l	100
71) Bromoform	12.13	173	326063	49.62	ug/l #	100
73) Isopropylbenzene	12.25	105	1954972	51.96	ug/l	100
74) N-amyl acetate	12.07	43	605404	52.65	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	518051	51.61	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	387821m	43.01	ug/l	
77) Bromobenzene	12.53	156	508629	48.78	ug/l	99
78) n-propylbenzene	12.59	91	2260358	53.75	ug/l	100
79) 2-Chlorotoluene	12.68	91	1340302	51.42	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1609125	54.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	145030	51.02	ug/l	98
82) 4-Chlorotoluene	12.78	91	1353002	52.42	ug/l	99
83) tert-Butylbenzene	12.99	119	1383364	53.56	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1644224	55.12	ug/l	100
85) sec-Butylbenzene	13.17	105	1865199	54.05	ug/l	100
86) p-Isopropyltoluene	13.29	119	1612494	55.45	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	883969	50.00	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	871021	50.55	ug/l	100
89) n-Butylbenzene	13.62	91	1331610	55.69	ug/l	99
90) Hexachloroethane	13.88	117	297591	46.09	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	879460	49.77	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86569	51.67	ug/l	97

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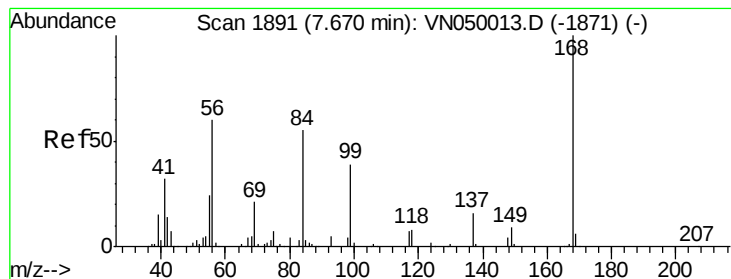
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	471815	50.32	ug/l	98
94) Hexachlorobutadiene	15.01	225	267766	49.50	ug/l	100
95) Naphthalene	15.14	128	1122327	50.60	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	475360	51.99	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072418

Tot Ion:168 Resp: 688259

Ion Ratio Lower Upper

168 100

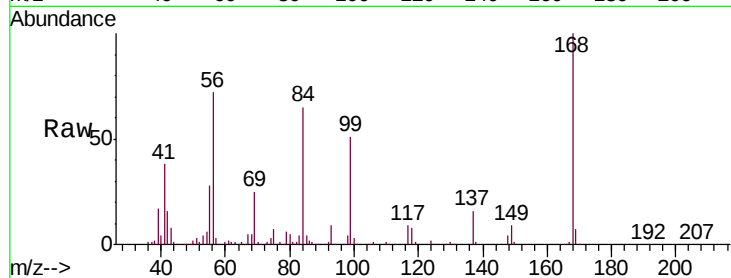
99 51.0 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.67

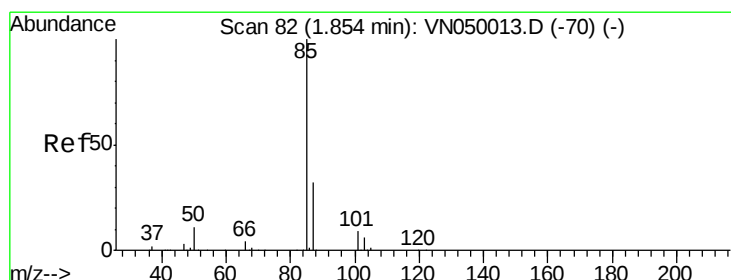
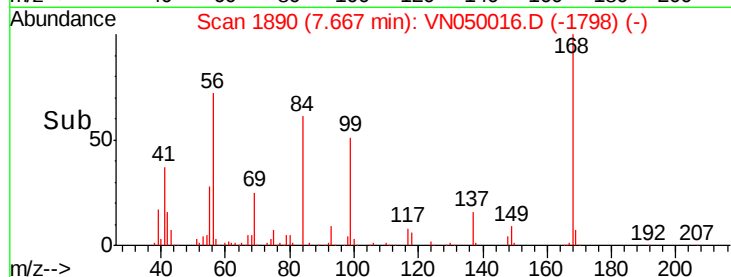
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.91 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050016.D

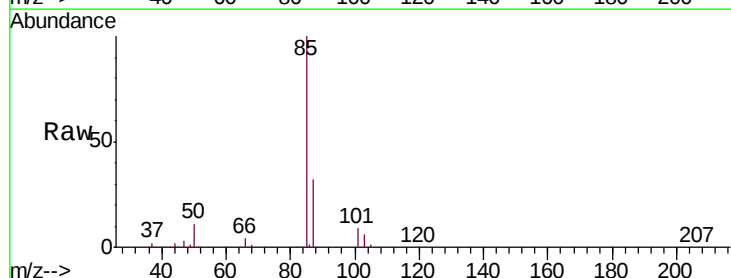
Acq: 23 Jul 2018 20:02

Tgt Ion: 85 Resp: 523202

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

400000

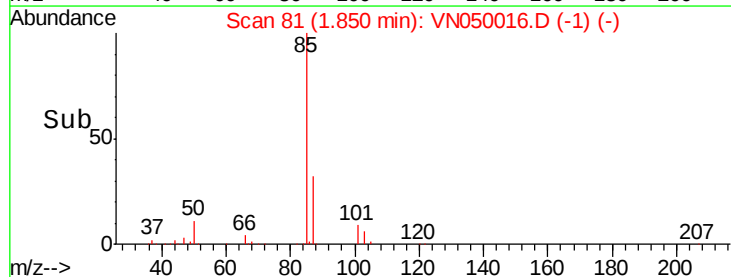
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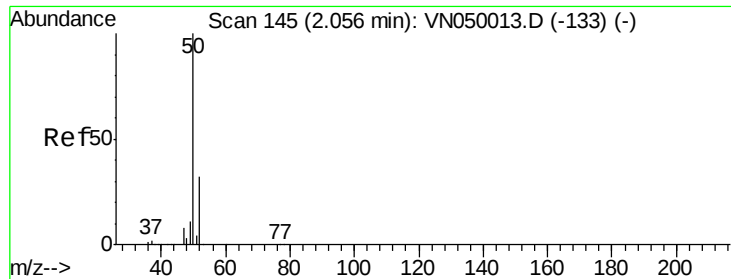
200000

100000

0

Time-->





#3

Chloromethane

Concen: 49.10 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072418

Tot Ion: 50 Resp: 527794

Ion Ratio Lower Upper

50 100

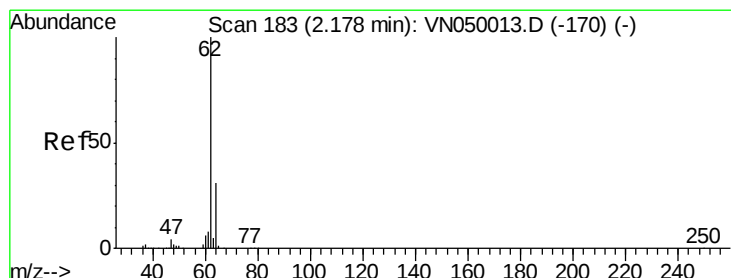
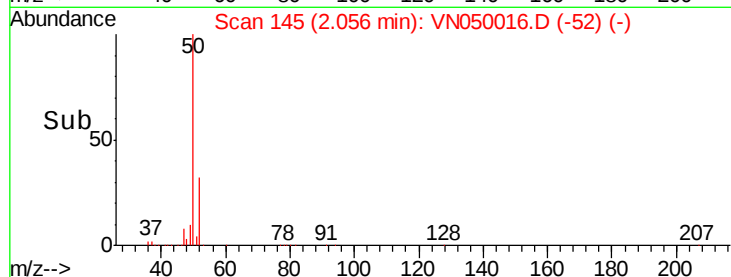
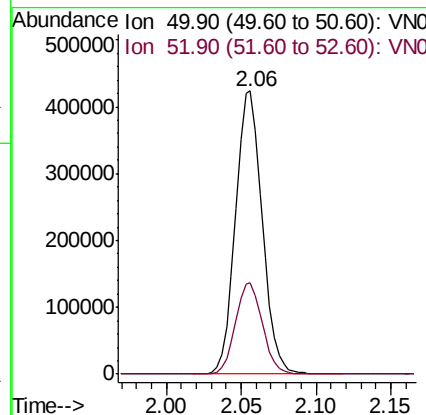
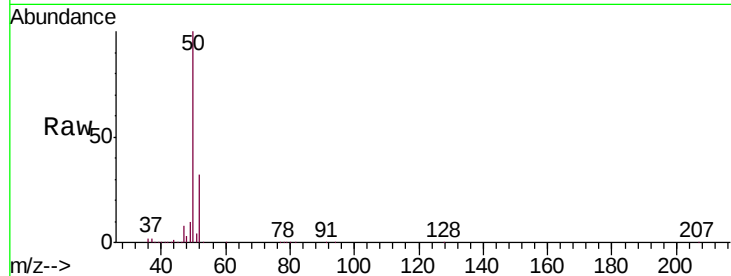
52 32.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.19 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050016.D

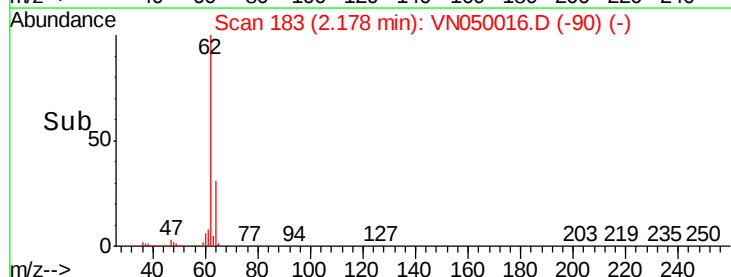
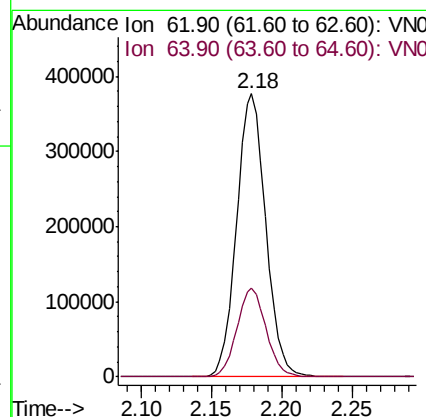
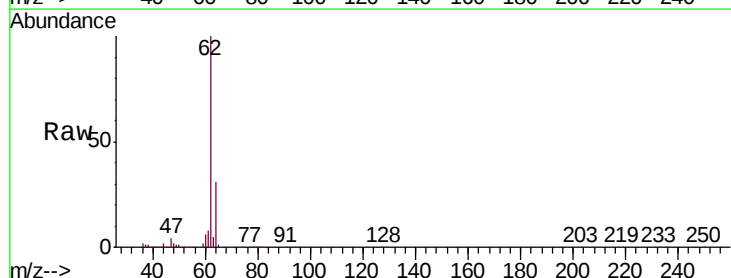
Acq: 23 Jul 2018 20:02

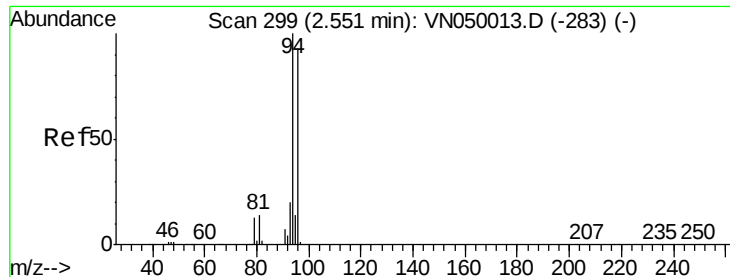
Tgt Ion: 62 Resp: 545503

Ion Ratio Lower Upper

62 100

64 31.3 24.7 37.1





#5

Bromomethane

Concen: 53.63 ug/l

RT: 2.55 min Scan# 299

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 336644

Ion Ratio Lower Upper

94 100

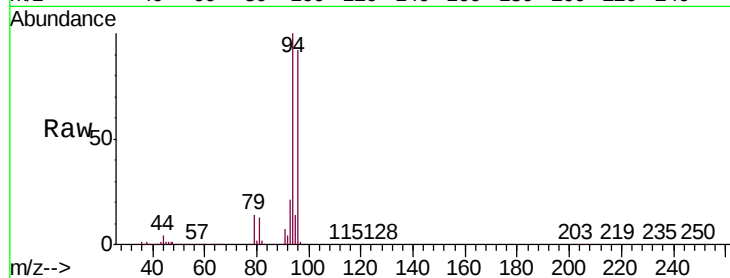
96 92.2 74.6 112.0

Manual Integrations

APPROVED

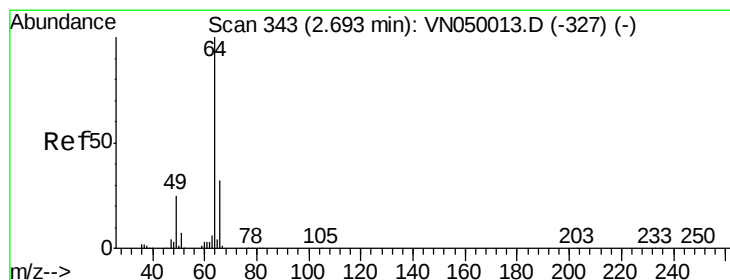
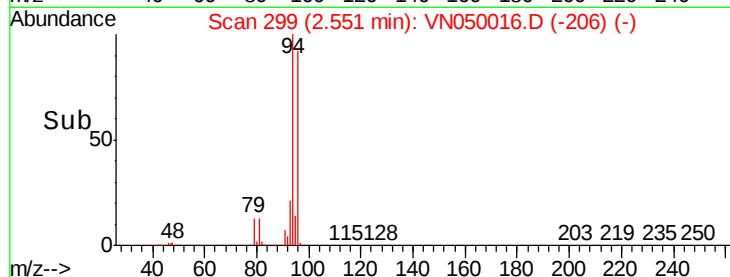
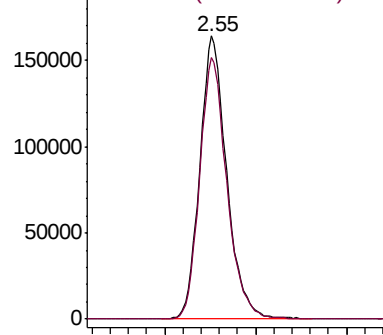
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 45.93 ug/l

RT: 2.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VN050016.D

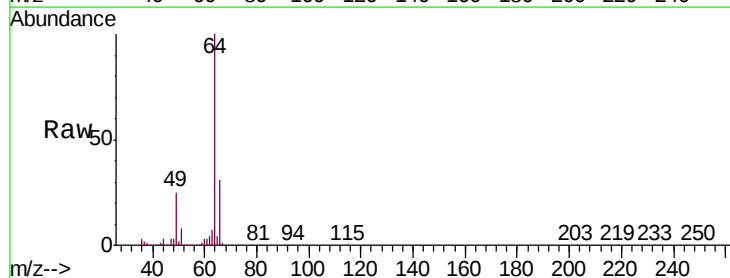
Acq: 23 Jul 2018 20:02

Tgt Ion: 64 Resp: 312270

Ion Ratio Lower Upper

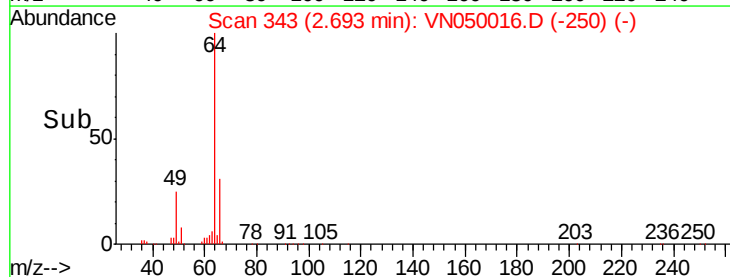
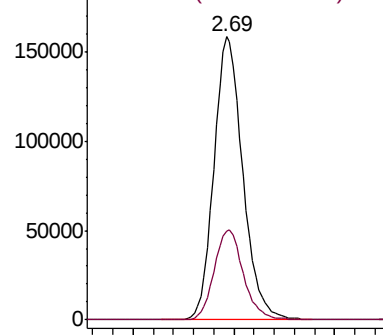
64 100

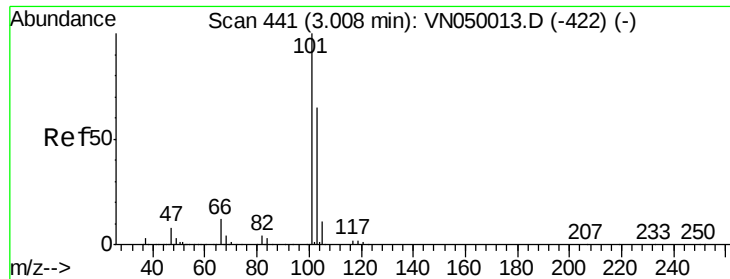
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

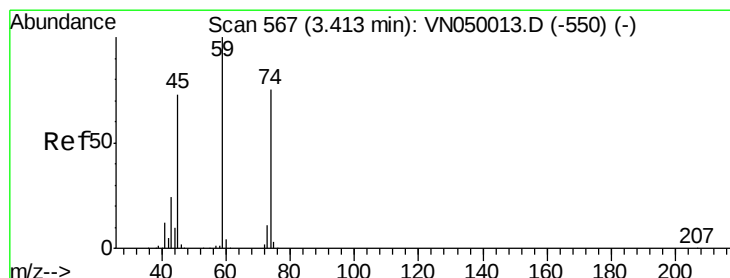
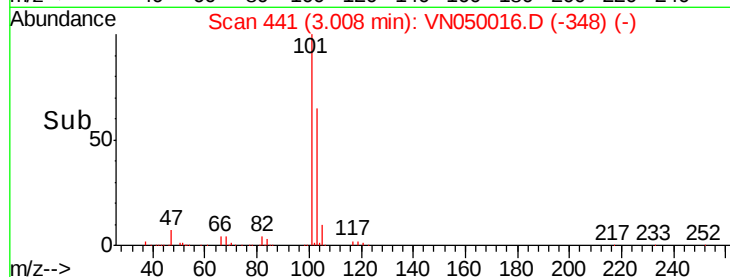
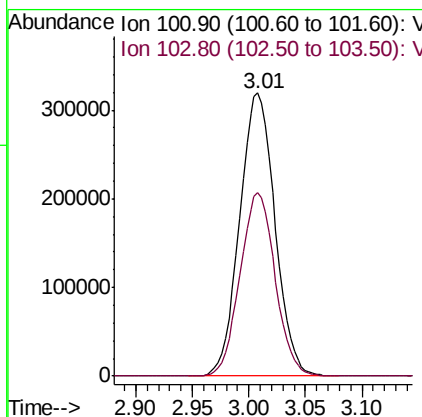
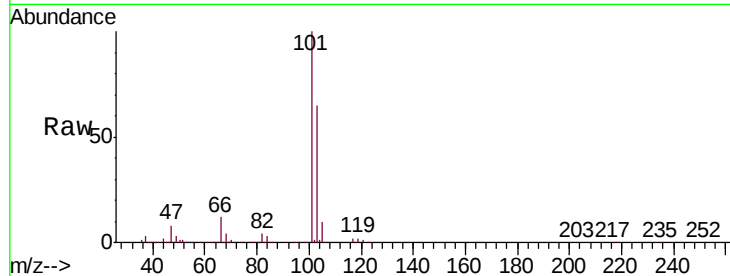
Trichlorofluoromethane
 Concen: 47.36 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.7	77.5

Manual Integrations
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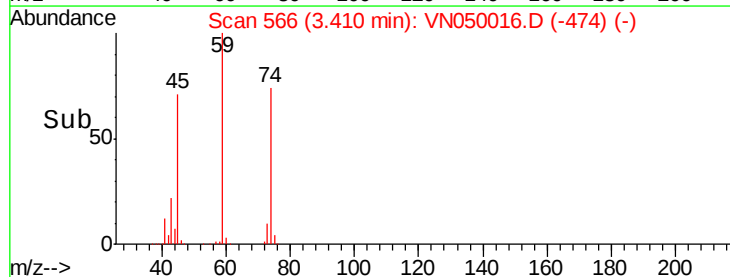
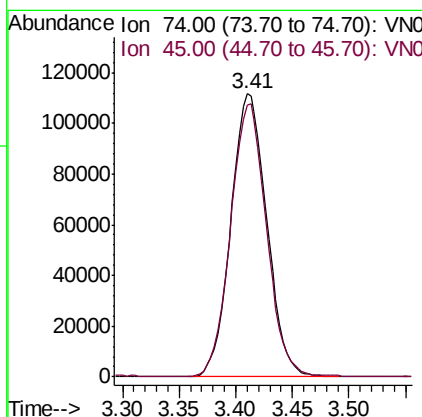
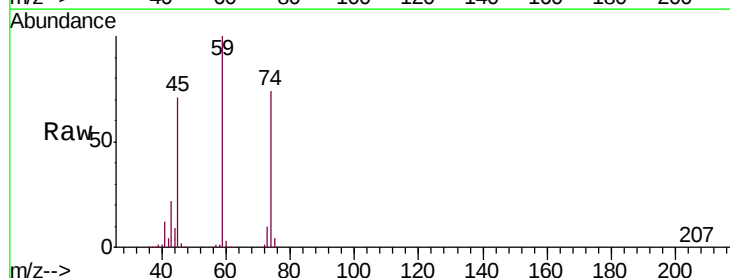
MMDadoda
 7/26/2018 1:51:06 PM

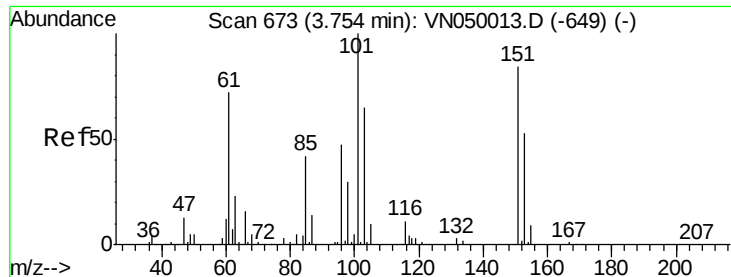


#8

Diethyl Ether
 Concen: 50.44 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.39 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

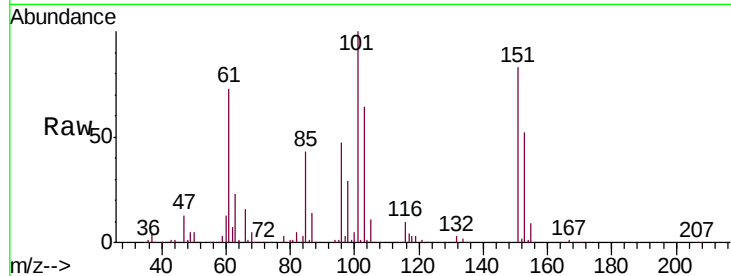
ClientSampleId :

ICVVN072418

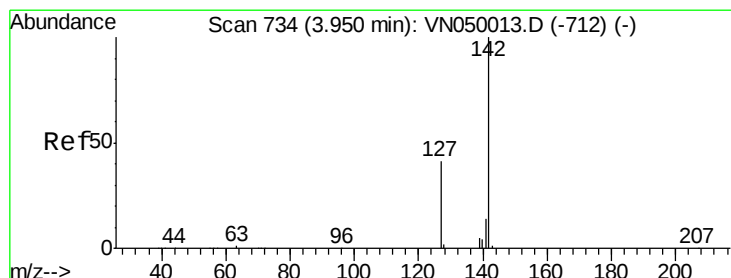
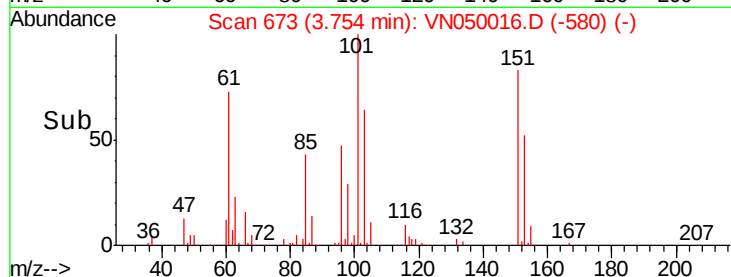
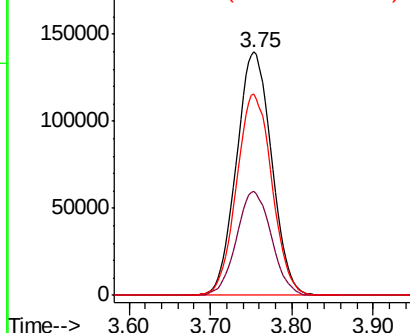
Tot Ion:	101	Resp:	417917
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.2
151	82.9	66.3	99.5

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



#10

Methyl Iodide

Concen: 48.24 ug/l

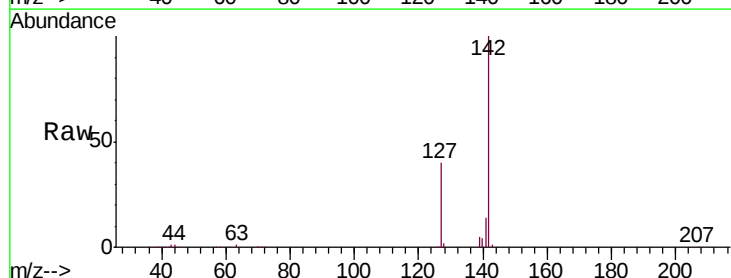
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

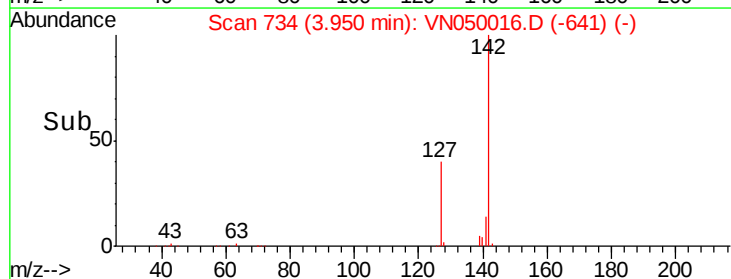
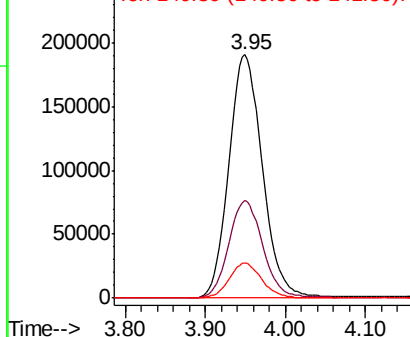
Lab File: VN050016.D

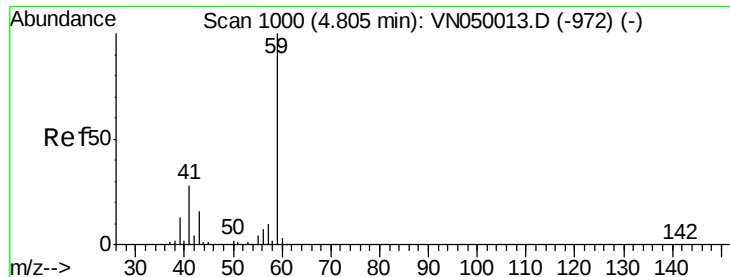
Acq: 23 Jul 2018 20:02

Tgt Ion:	142	Resp:	546041
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.4	50.2
141	14.1	11.6	17.4



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





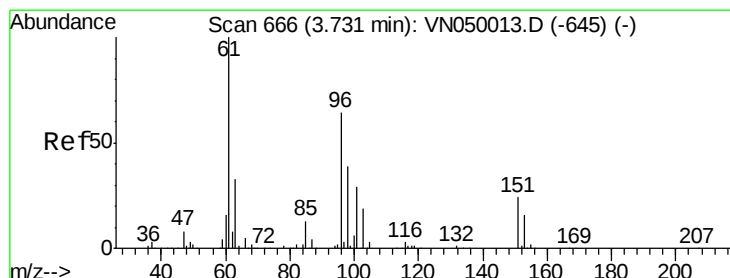
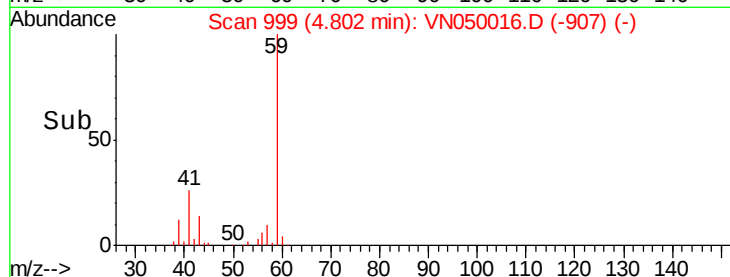
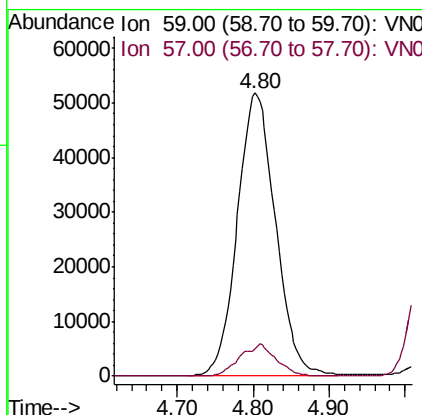
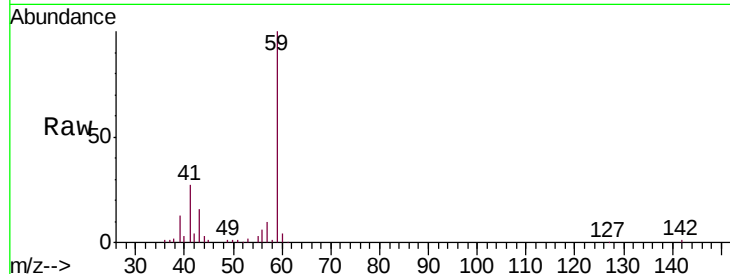
#11
Tert butyl alcohol
Concen: 255.90 ug/l
RT: 4.80 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion	59	Resp	180807
Ion Ratio	100	Lower	Upper
57	10.7	8.5	12.7

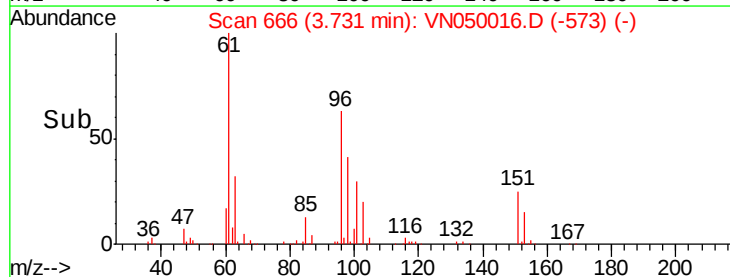
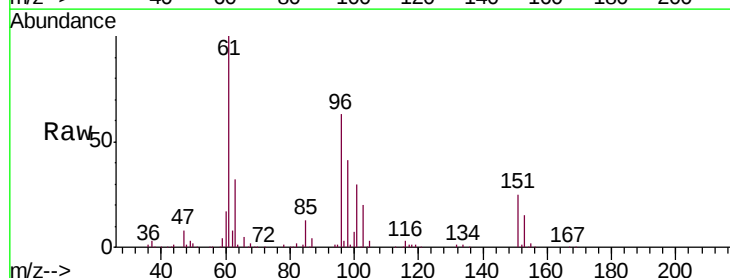
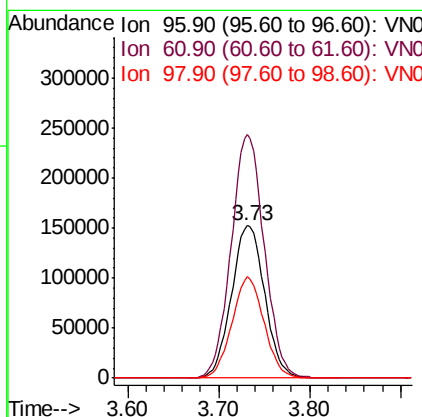
Manual Integrations
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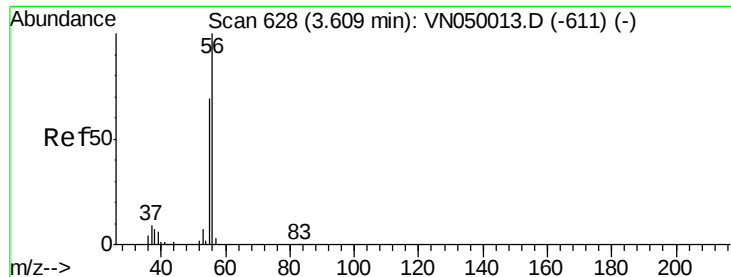
MMDadoda
7/26/2018 1:51:06 PM



#12
1,1-Dichloroethene
Concen: 48.87 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion	96	Resp	387691
Ion Ratio	100	Lower	Upper
61	159.6	124.4	186.6
98	66.2	48.3	72.5





#13

Acrolein

Concen: 269.07 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072418

Tot Ion: 56 Resp: 152745

Ion Ratio Lower Upper

56 100

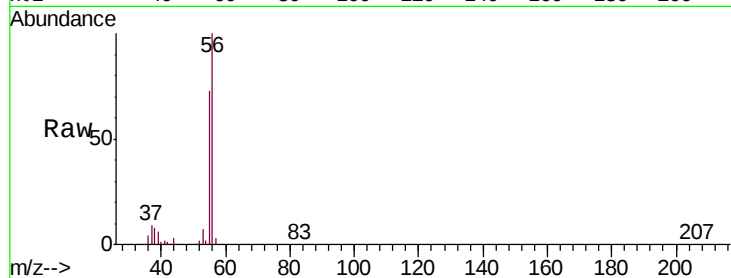
55 72.0 55.8 83.6

Manual Integrations

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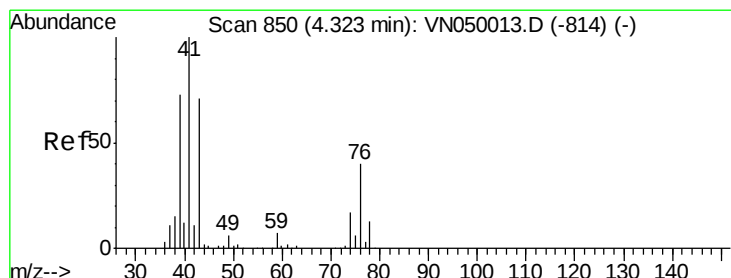
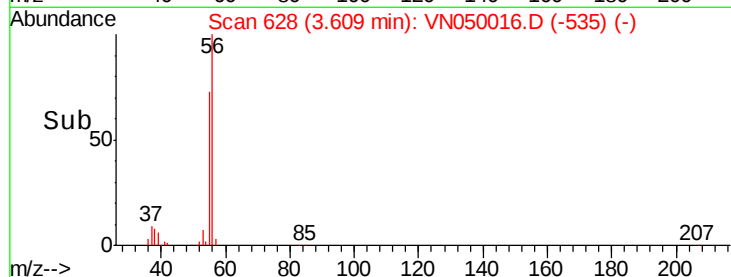
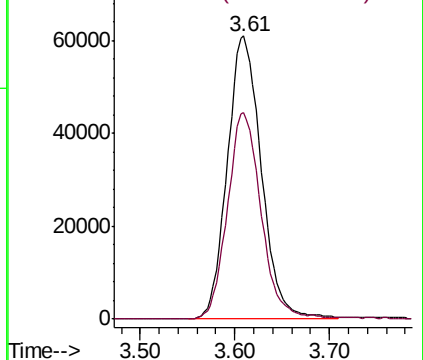
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 51.10 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

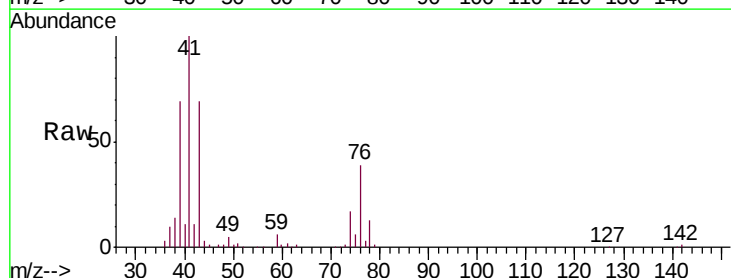
Tgt Ion: 41 Resp: 628590

Ion Ratio Lower Upper

41 100

39 65.7 54.2 81.4

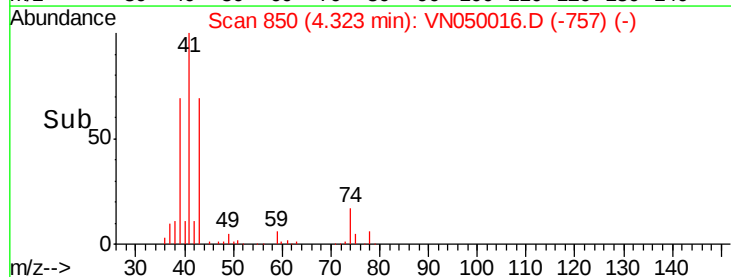
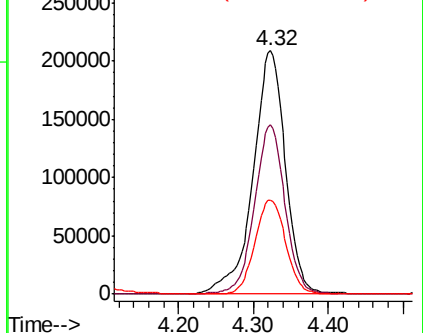
76 36.5 29.0 43.6

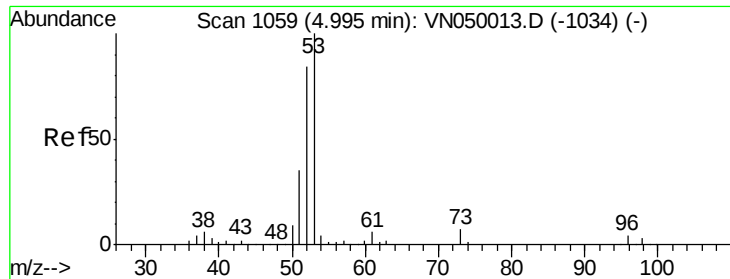


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





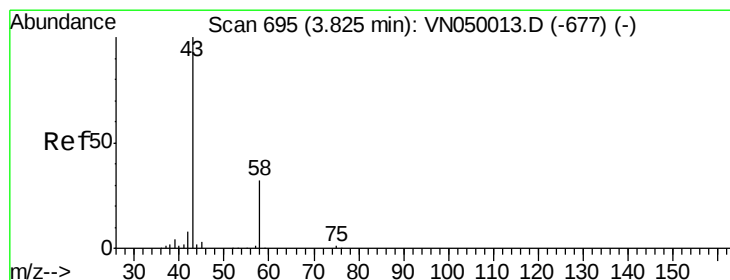
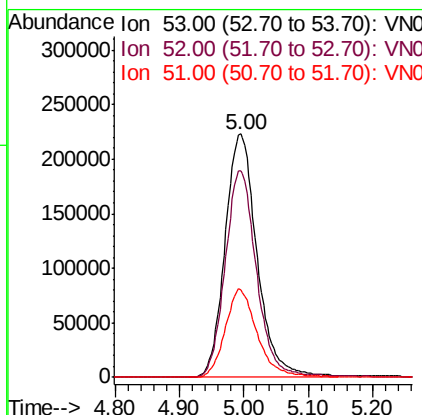
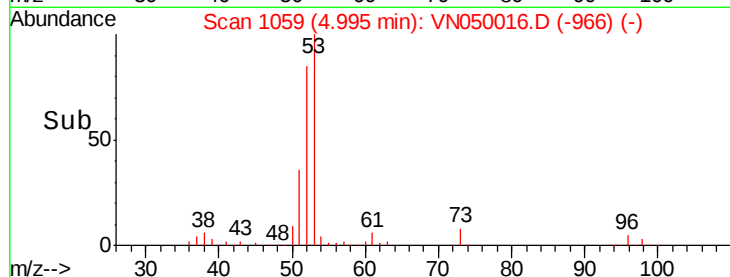
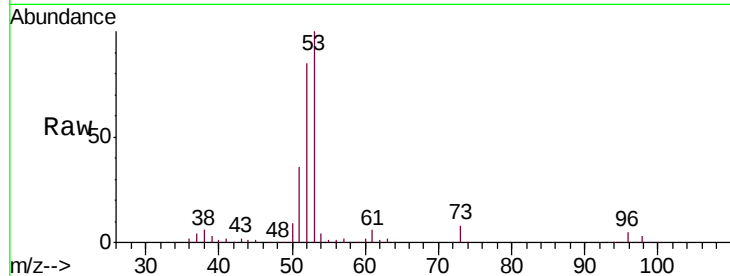
#15
 Acrylonitrile
 Concen: 250.61 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072418

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	36.4	29.3	43.9

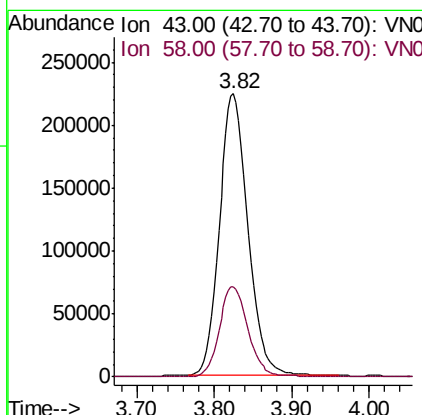
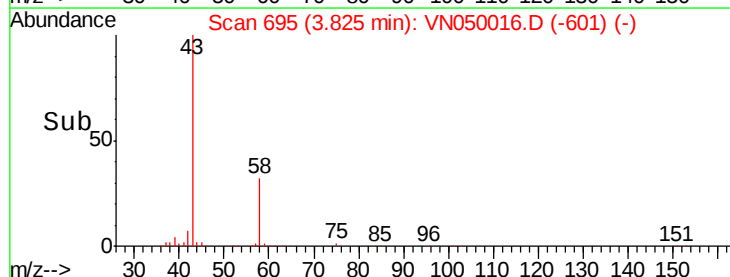
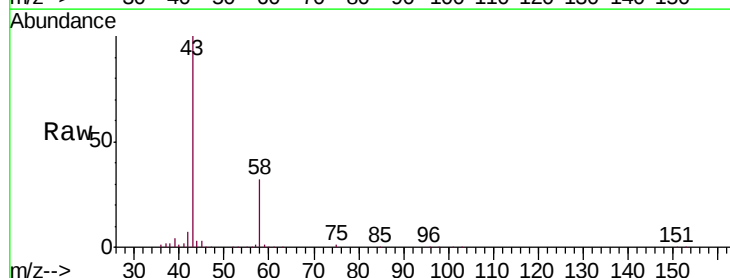
Manual Integrations
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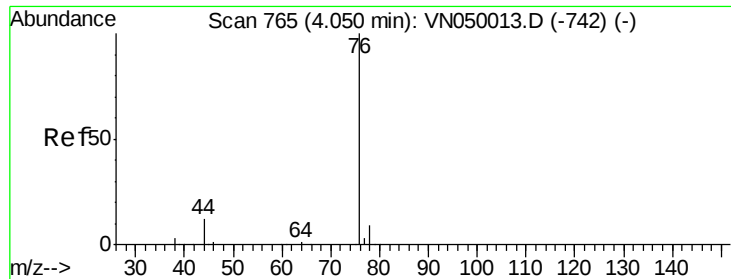
MMDadoda
 7/26/2018 1:51:06 PM



#16
 Acetone
 Concen: 253.62 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.8	38.8





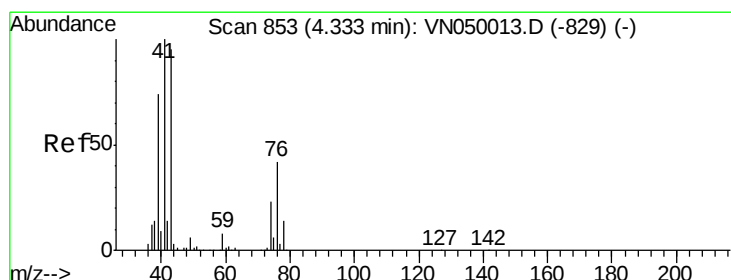
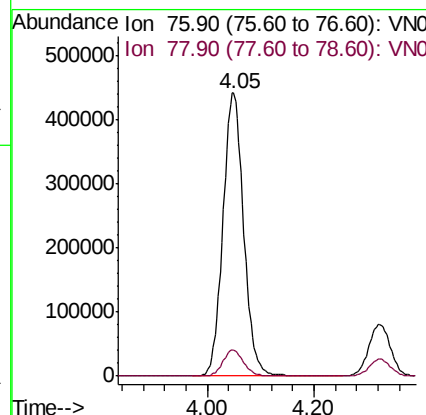
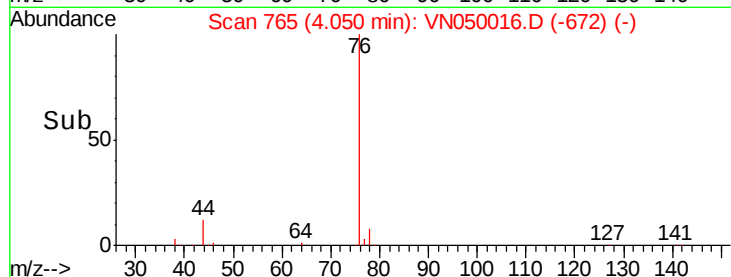
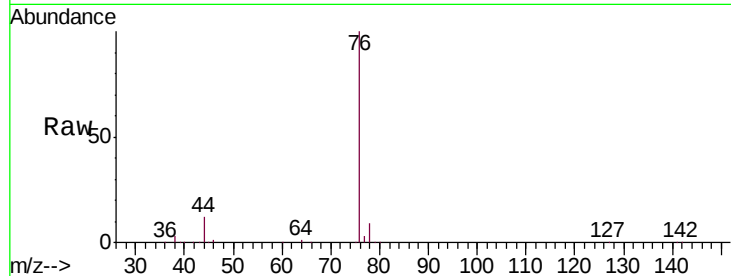
#17
Carbon Disulfide
Concen: 49.18 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion: 76 Resp: 1195094
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

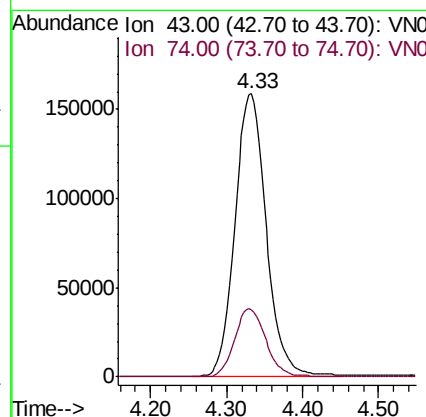
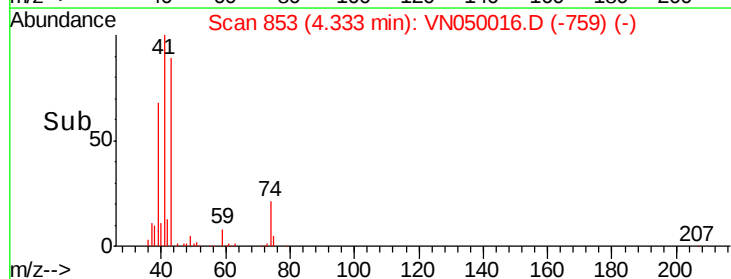
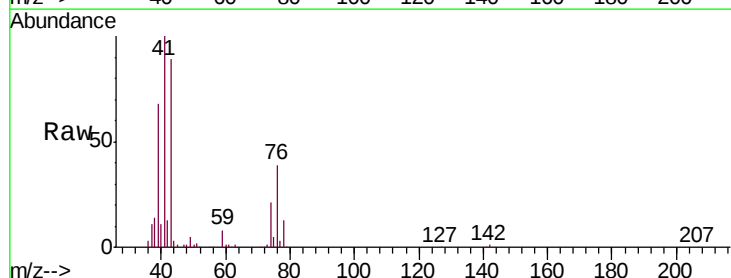
Manual Integrations
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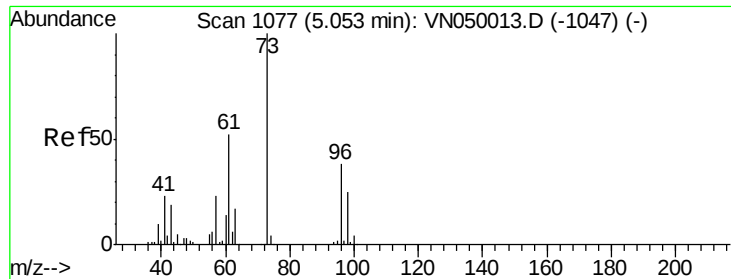
MMDadoda
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#18
Methyl Acetate
Concen: 51.44 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion: 43 Resp: 452130
Ion Ratio Lower Upper
43 100
74 24.2 19.2 28.8





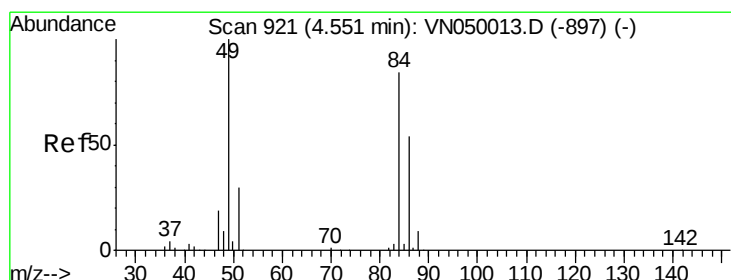
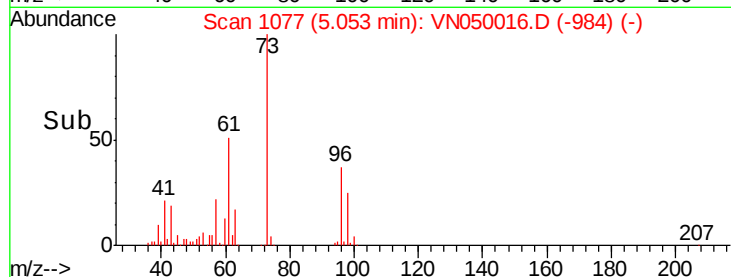
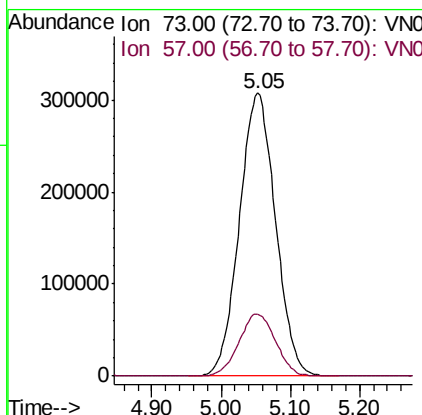
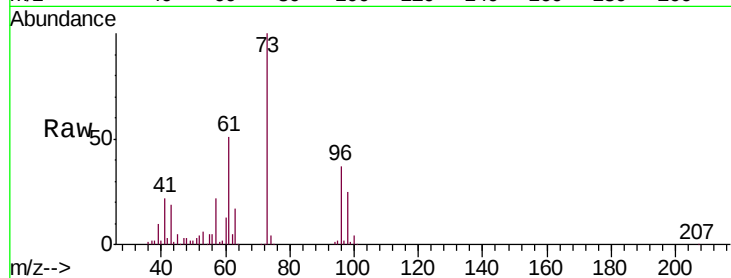
#19
Methvl tert-butvl Ether
Concen: 52.64 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion: 73 Resp: 1112813
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0

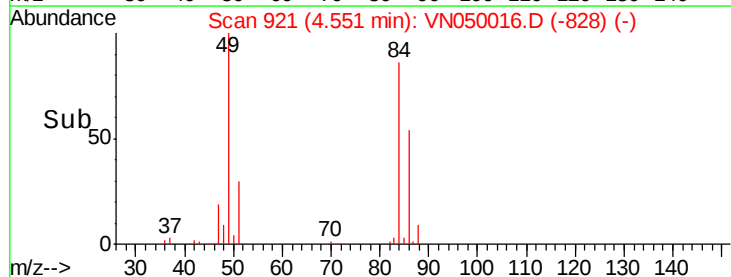
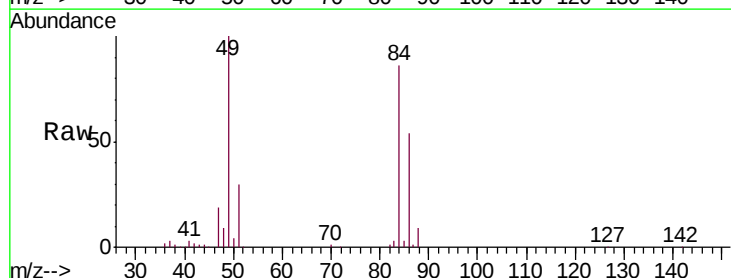
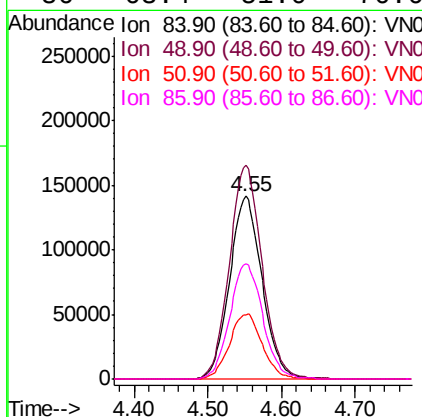
Manual Integrations
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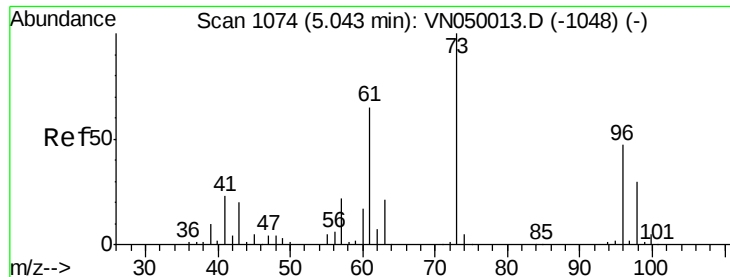
MMDadoda
7/26/2018 1:51:06 PM



#20
Methylene Chloride
Concen: 51.03 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion: 84 Resp: 434266
Ion Ratio Lower Upper
84 100
49 116.9 94.8 142.2
51 35.4 28.3 42.5
86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.72 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072418

Tot Ion: 96 Resp: 417952

Ion Ratio Lower Upper

96 100

61 137.1 110.7 166.1

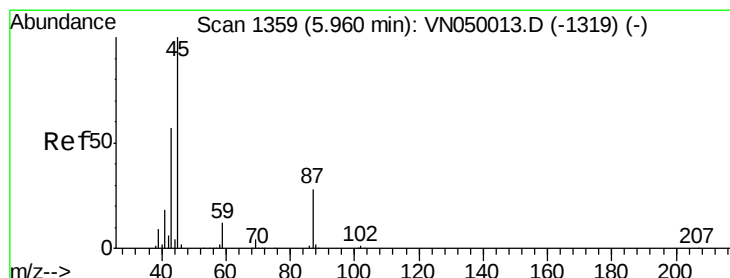
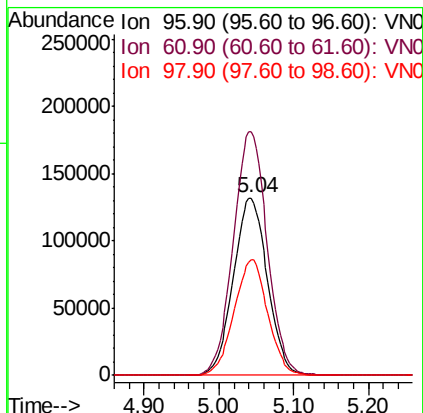
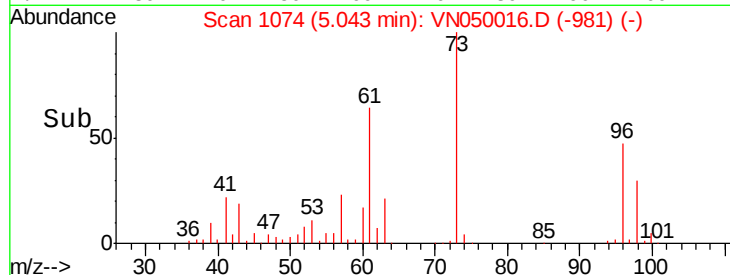
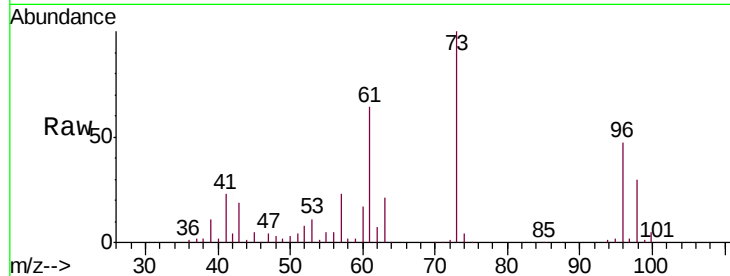
98 65.3 51.6 77.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.73 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Tgt Ion: 45 Resp: 1285955

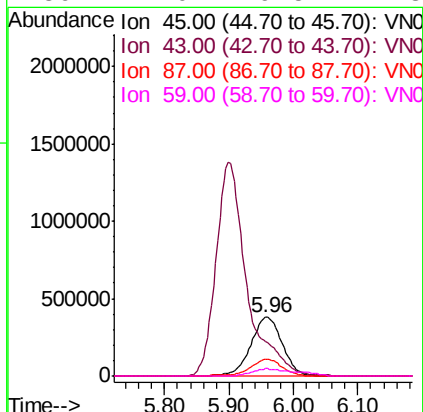
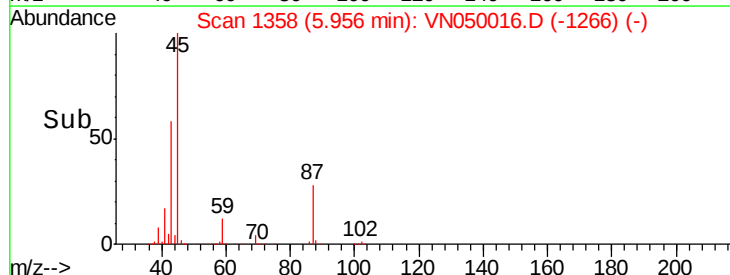
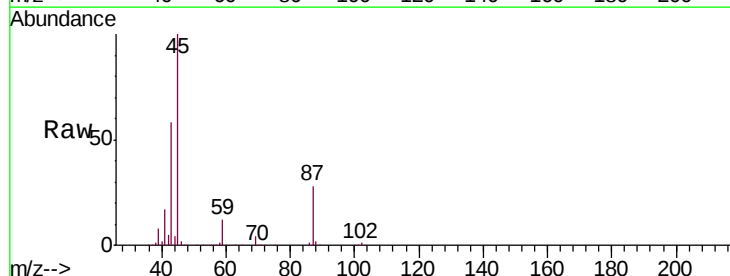
Ion Ratio Lower Upper

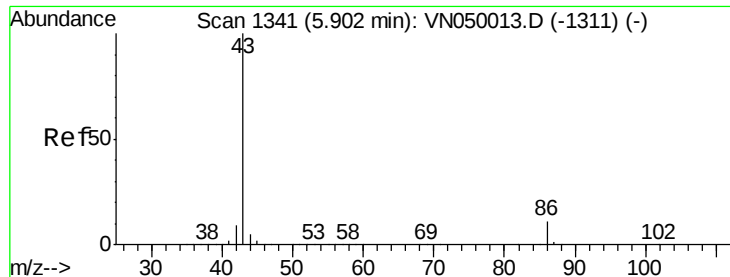
45 100

43 57.1 45.7 68.5

87 28.3 22.7 34.1

59 12.0 9.5 14.3





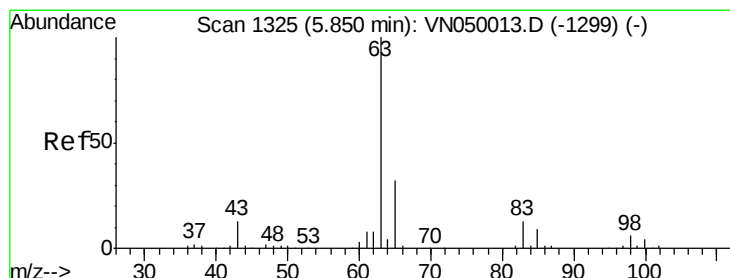
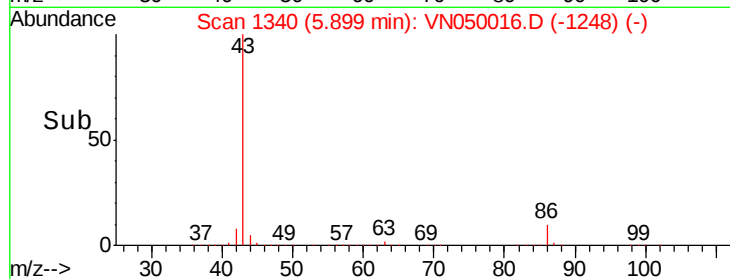
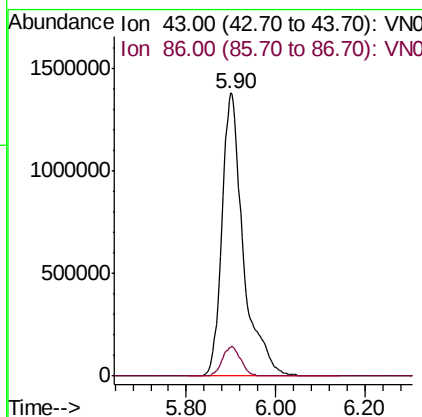
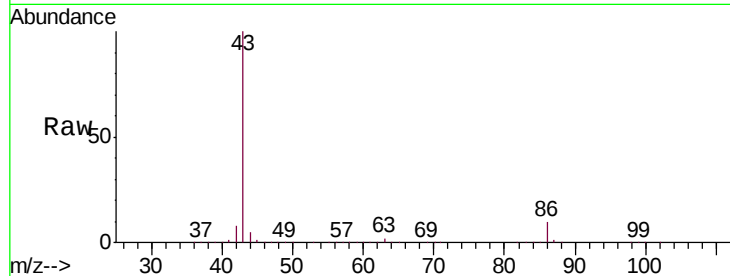
#23
 Vinyl Acetate
 Concen: 267.29 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072418

Tot Ion: 43 Resp: 4606888
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.6 13.0

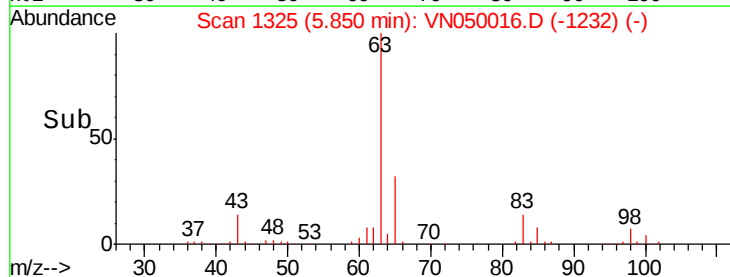
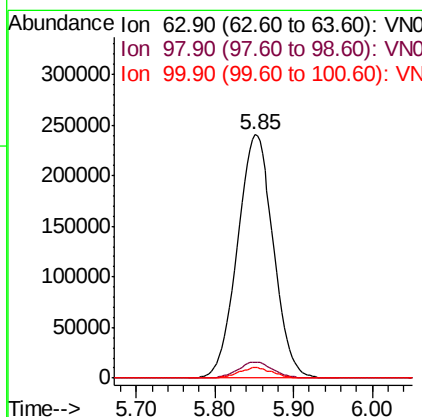
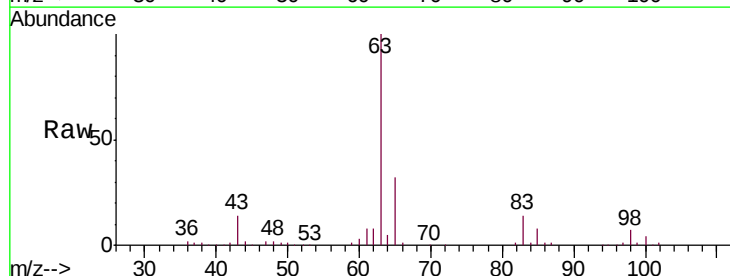
Manual Integrations
 APPROVED

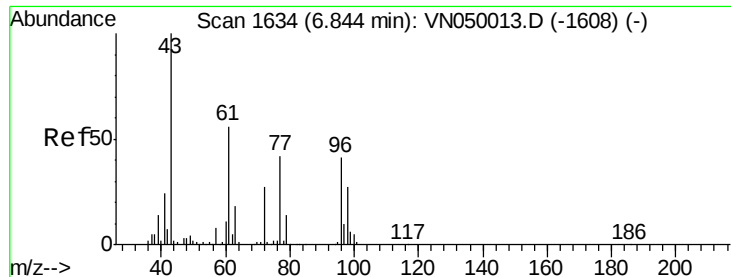
MMDadoda
 7/26/2018 1:51:06 PM



#24
 1,1-Dichloroethane
 Concen: 48.23 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Tgt Ion: 63 Resp: 769225
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.4 2.1 6.3





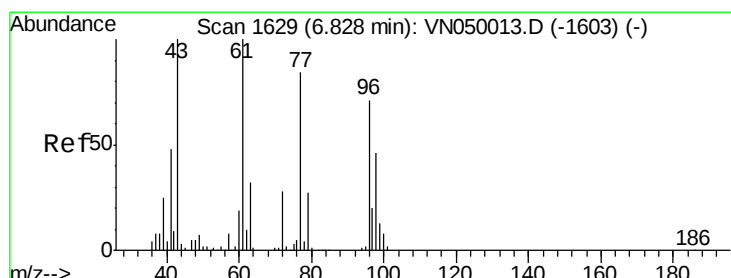
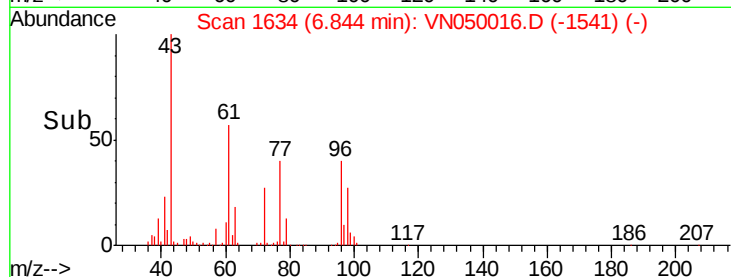
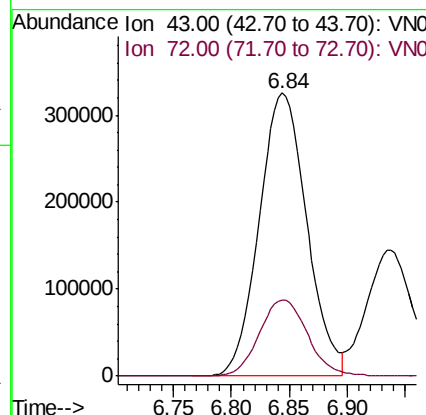
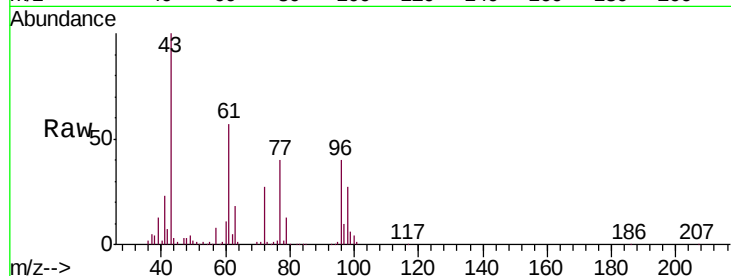
#25
2-Butanone
Concen: 252.84 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion	43	Resp	926106
Ion Ratio	100	Lower	Upper
72	27.1	21.5	32.3

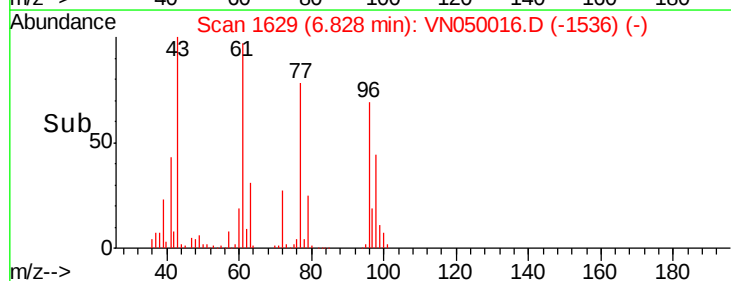
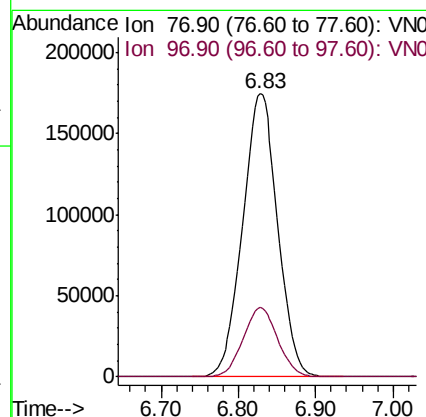
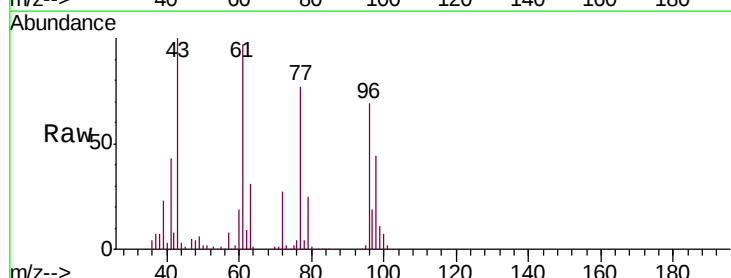
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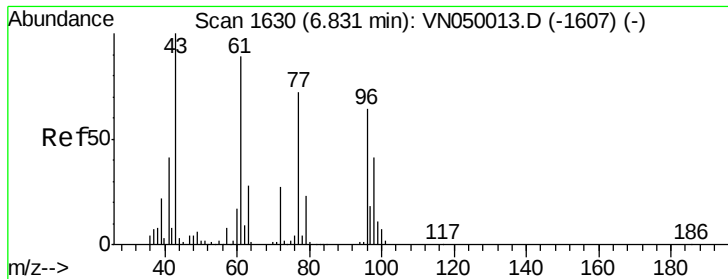
MMDadoda
7/26/2018 1:51:06 PM



#26
2,2-Dichloropropane
Concen: 45.17 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion	77	Resp	548076
Ion Ratio	100	Lower	Upper
97	24.3	11.8	35.3





#27

cis-1,2-Dichloroethene

Concen: 50.55 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

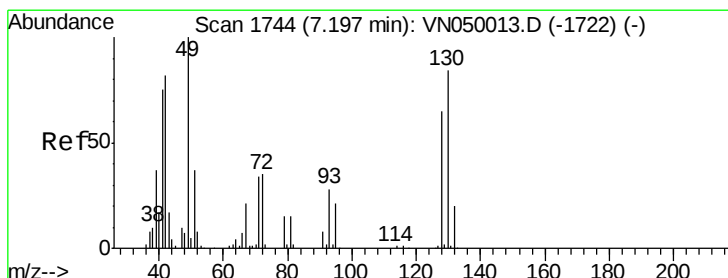
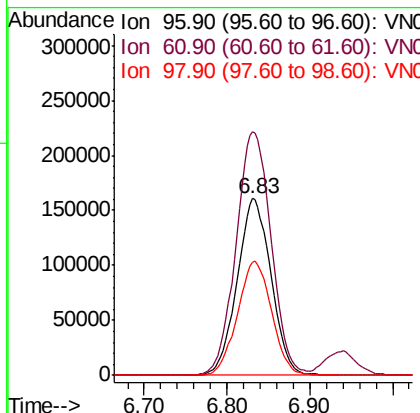
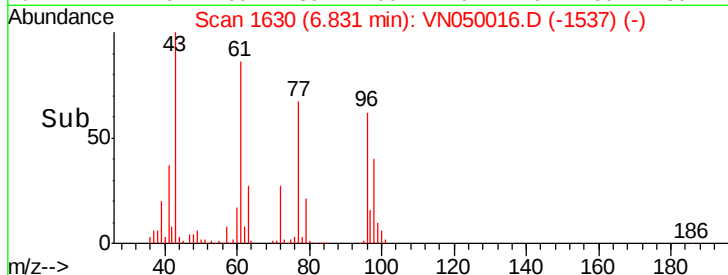
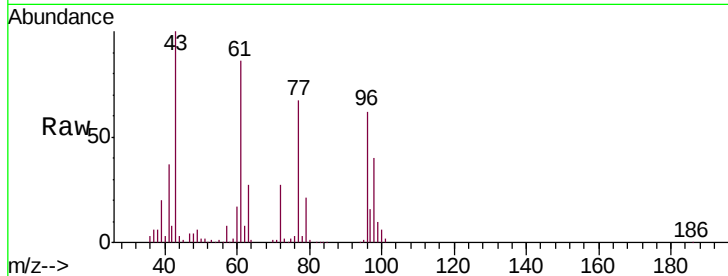
ClientSampled :

ICVVN072418

Tot Ion:	96	Resp:	457375
Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	285.0
98	65.2	0.0	129.2

Manual Integrations
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7/26/2018 1:51:06 PM



#28

Bromochloromethane

Concen: 49.74 ug/l

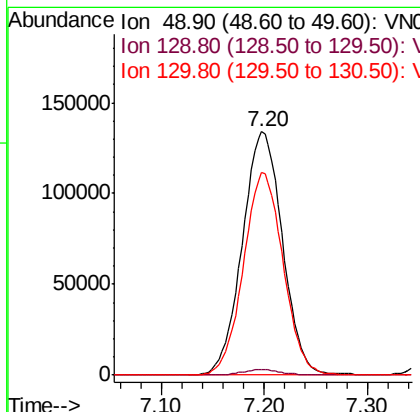
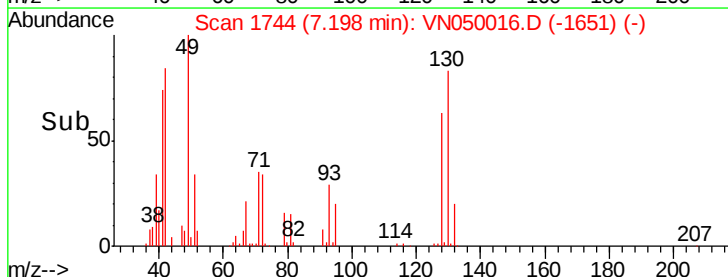
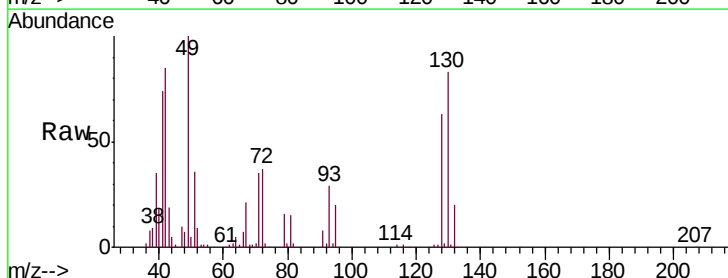
RT: 7.20 min Scan# 1744

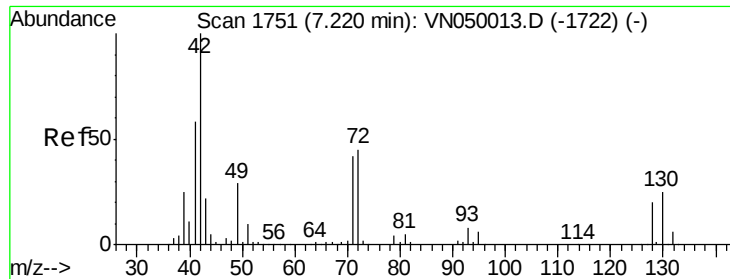
Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Tgt Ion:	49	Resp:	361828
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	82.5	66.3	99.5





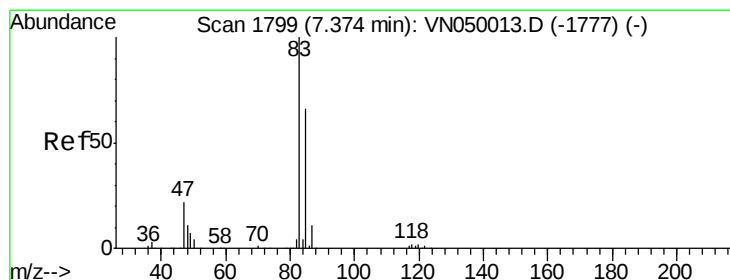
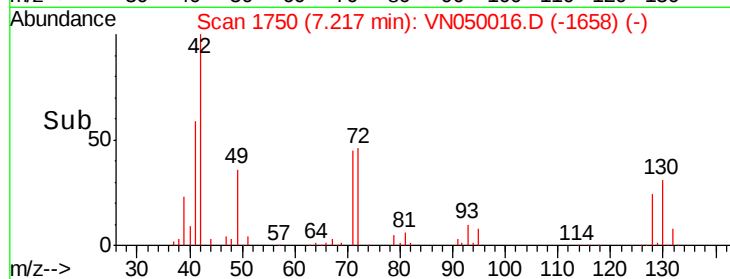
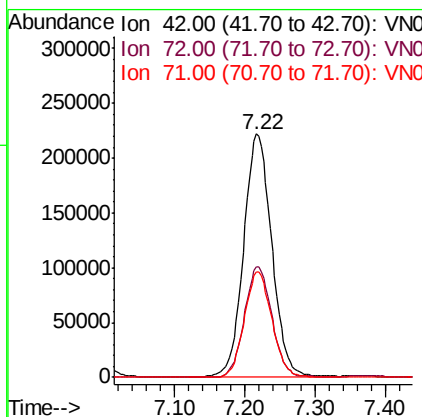
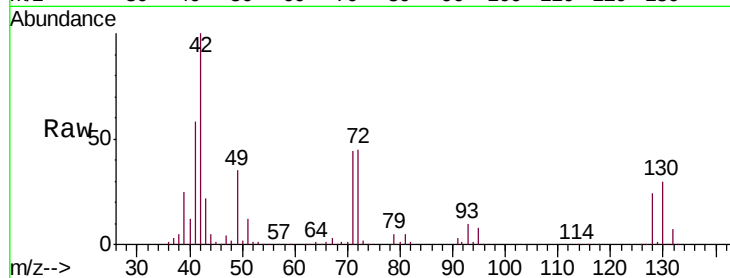
#29
Tetrahydrofuran
Concen: 260.85 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.9	53.9
71	42.5	33.7	50.5

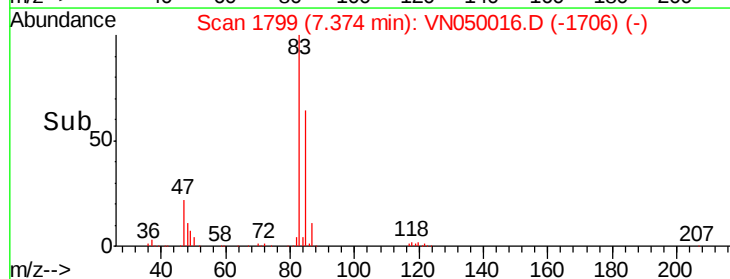
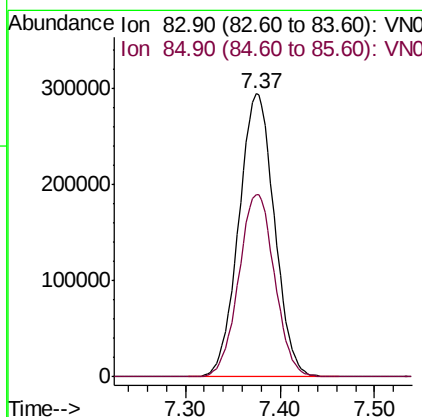
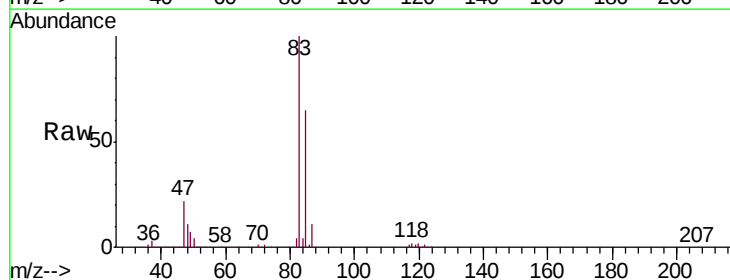
Manual Integrations
APPROVED

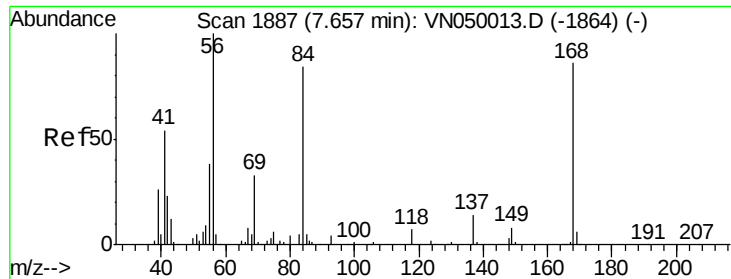
MMDadoda
7/26/2018 1:51:06 PM



#30
Chloroform
Concen: 47.31 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.5	78.7





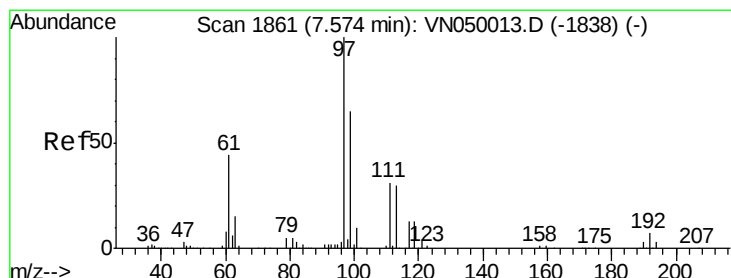
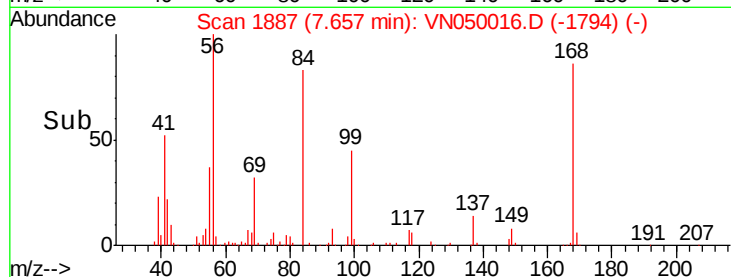
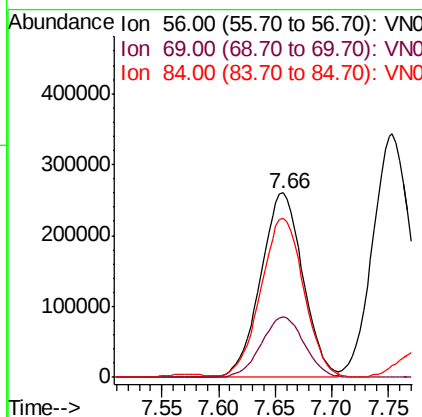
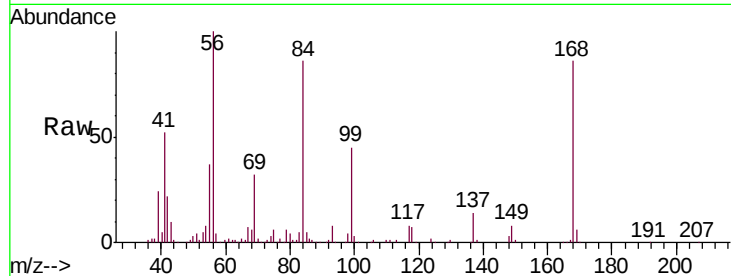
#31
Cyclohexane
Concen: 50.89 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampled :
ICVVN072418

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.2	39.4
84	85.0	67.4	101.0

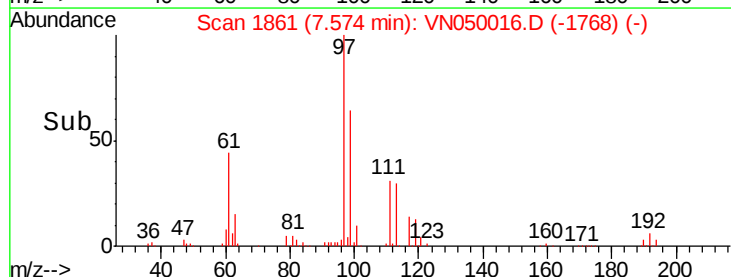
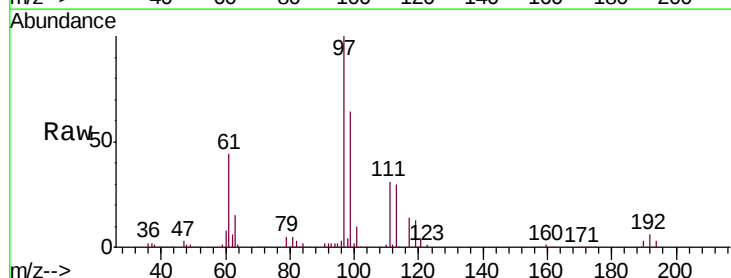
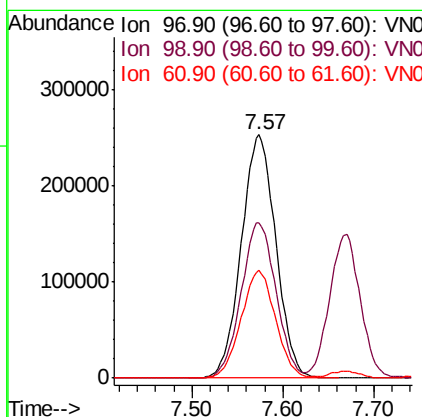
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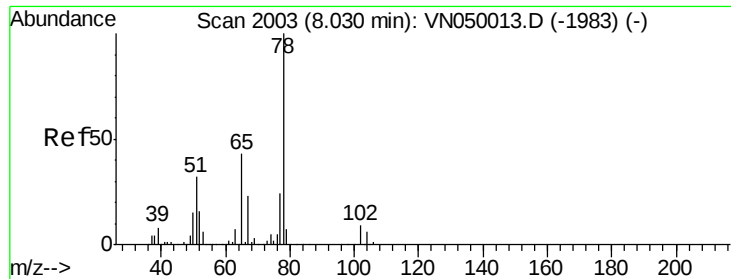
MMDadoda
7/26/2018 1:51:06 PM



#32
1,1,1-Trichloroethane
Concen: 47.90 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	44.2	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 47.45 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072418

Tot Ion: 65 Resp: 455688

Ion Ratio Lower Upper

65 100

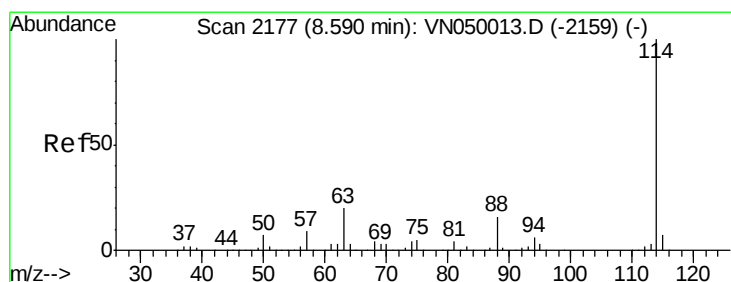
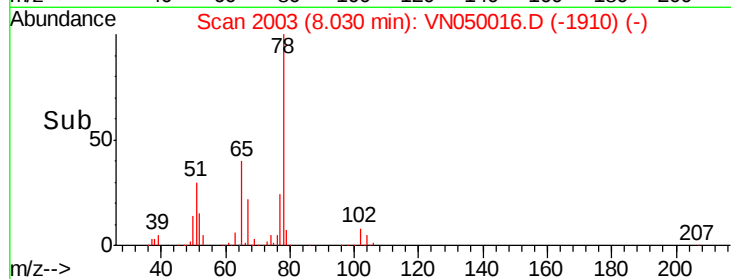
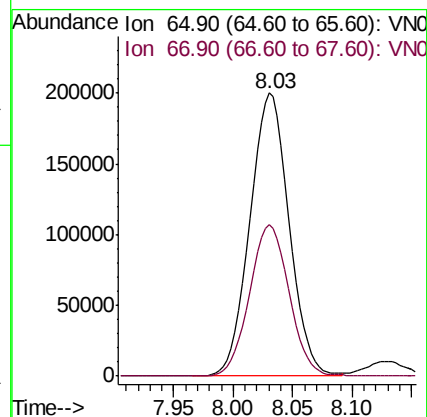
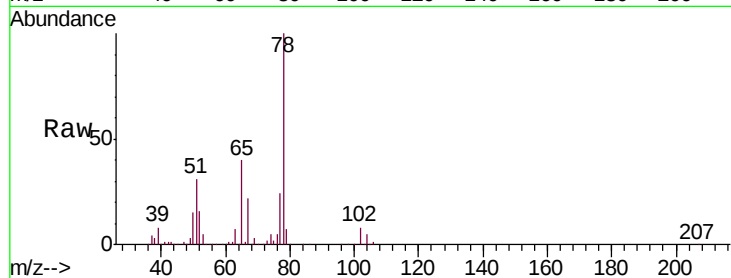
67 54.1 0.0 108.4

Manual Integrations

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7/26/2018 1:51:06 PM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

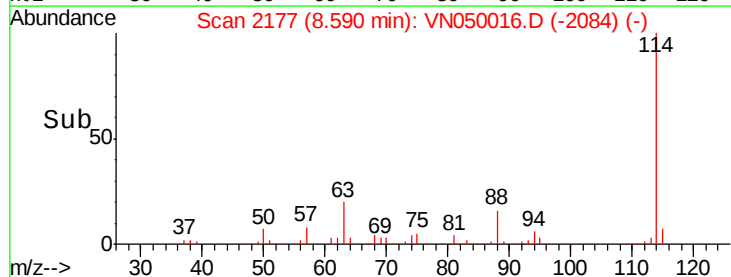
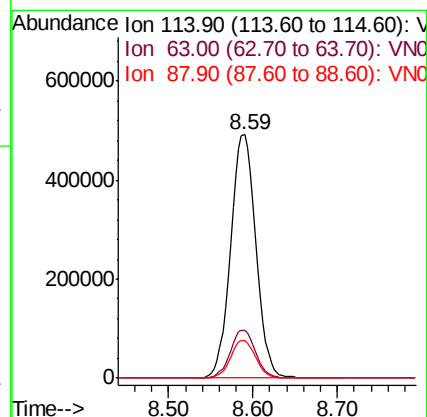
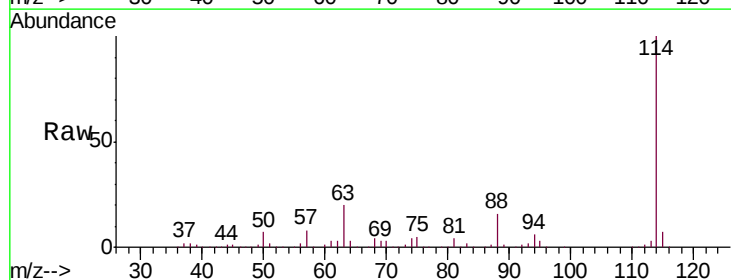
Tgt Ion: 114 Resp: 1022060

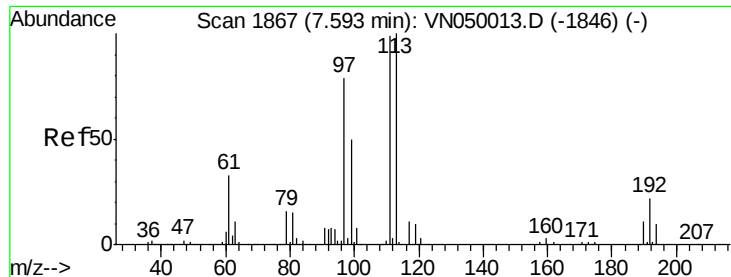
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 15.5 0.0 31.2





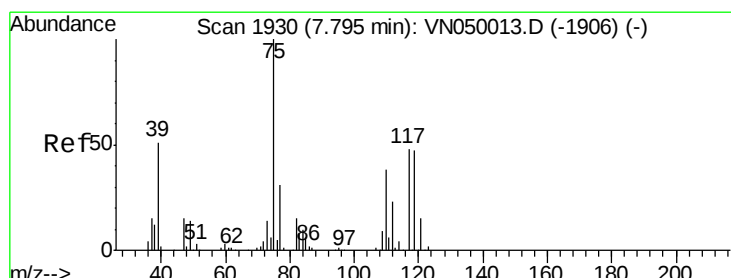
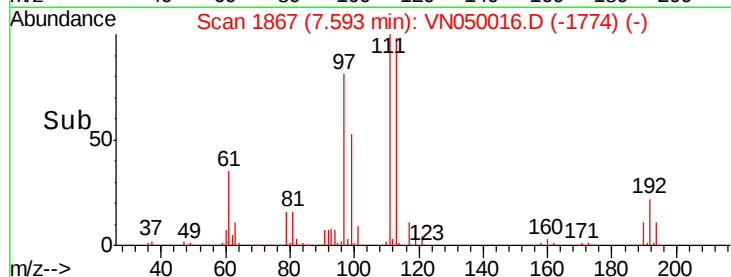
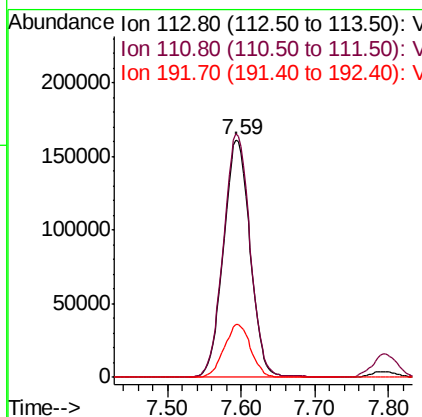
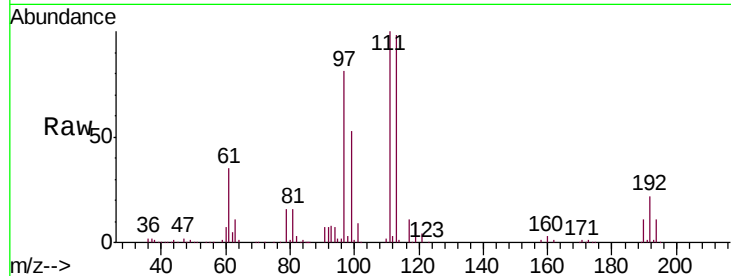
#35
Dibromofluoromethane
Concen: 48.59 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.7	121.1
192	22.2	17.8	26.6

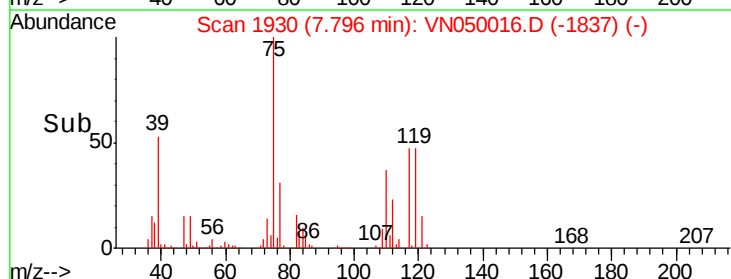
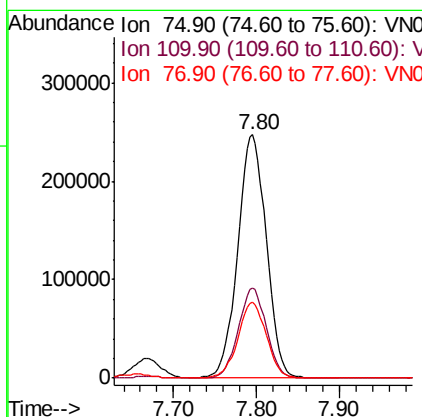
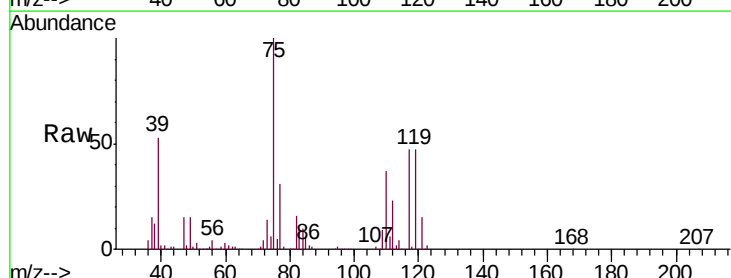
Manual Integrations
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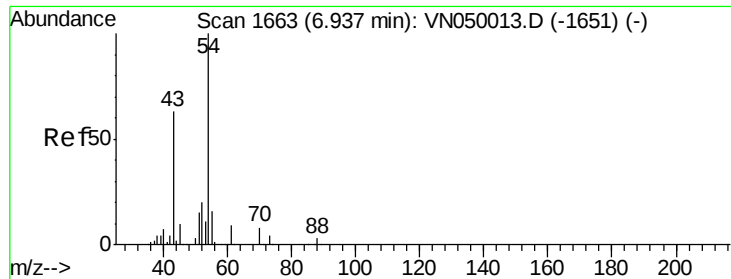
MMDadoda
7/26/2018 1:51:06 PM



#36
1,1-Dichloropropene
Concen: 51.38 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.4	55.2
77	31.2	25.3	37.9





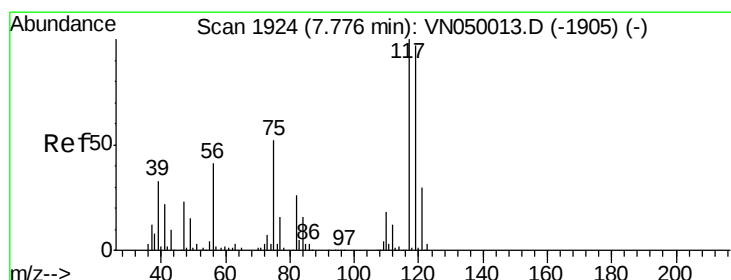
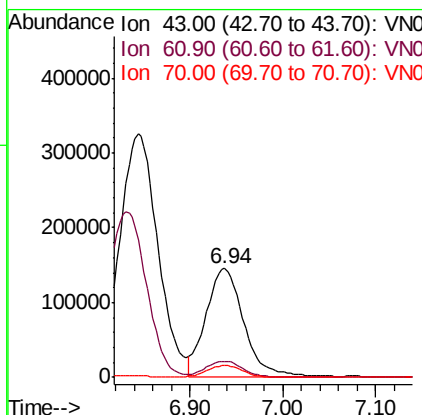
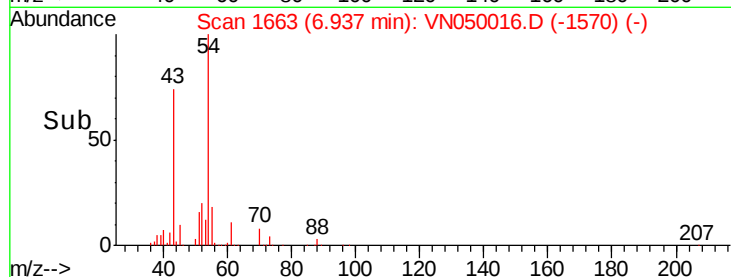
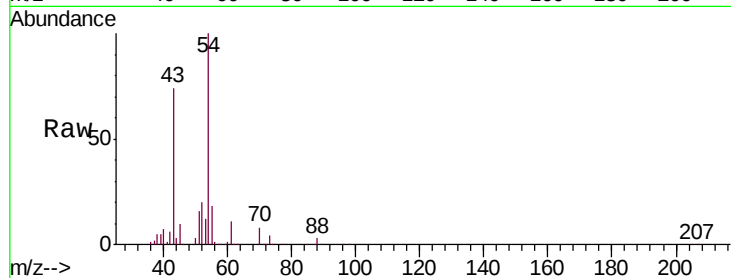
#37
Ethyl Acetate
Concen: 50.68 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.8
70	10.3	8.4	12.6

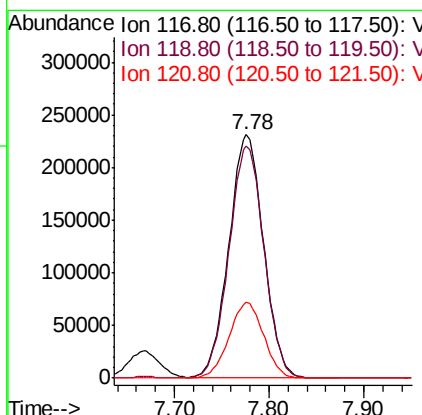
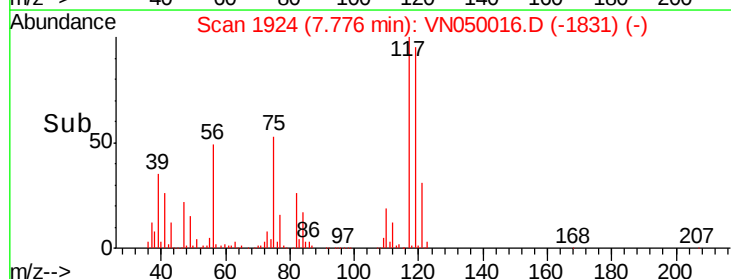
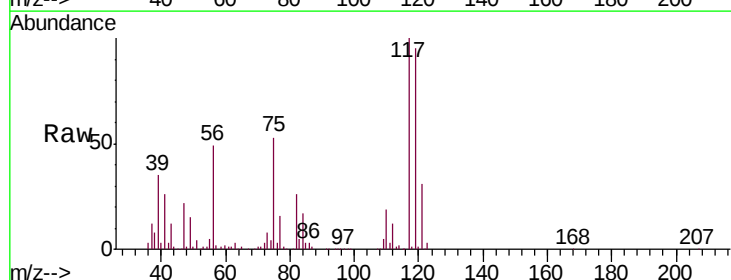
Manual Integrations
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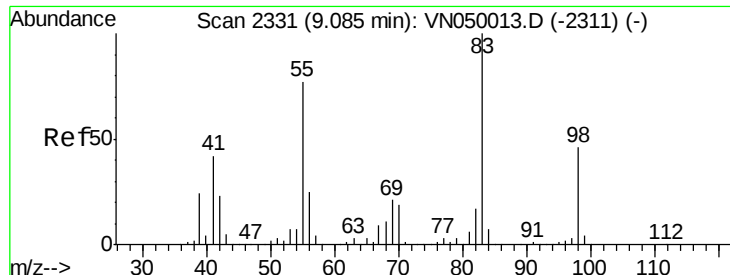
MMDadoda
7/26/2018 1:51:06 PM



#38
Carbon Tetrachloride
Concen: 48.31 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.4	116.0
121	31.1	23.9	35.9





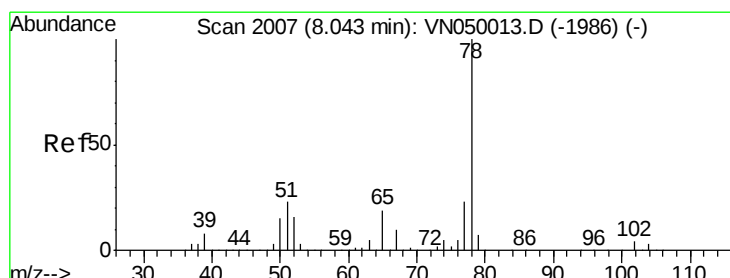
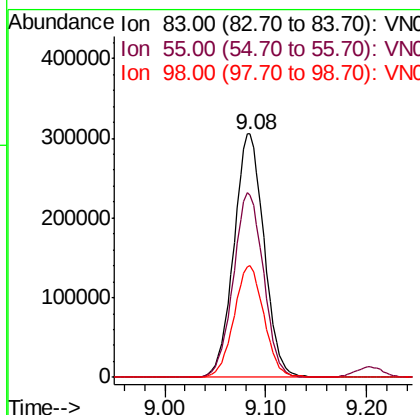
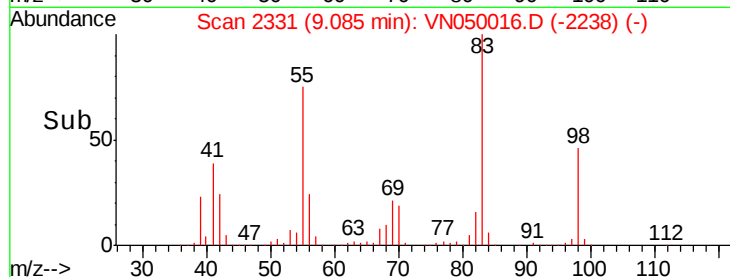
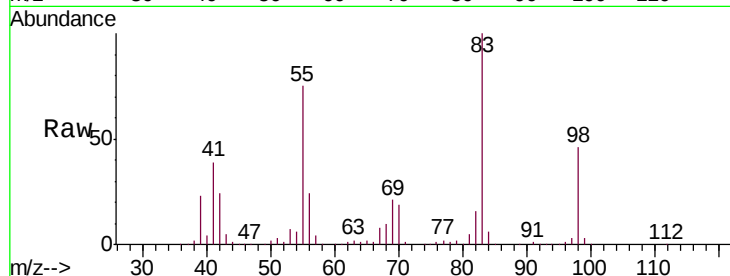
#39
Methvlcvclohexane
Concen: 53.40 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.8	92.8
98	45.7	36.5	54.7

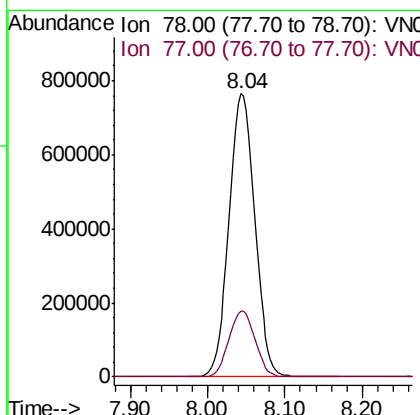
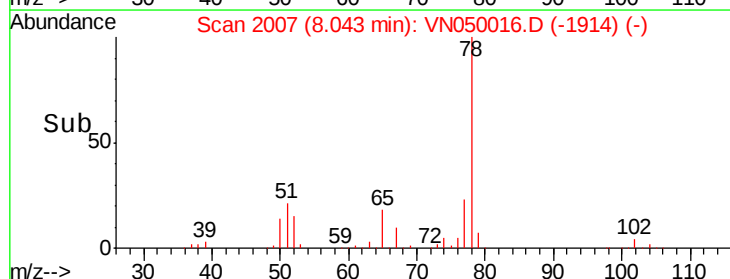
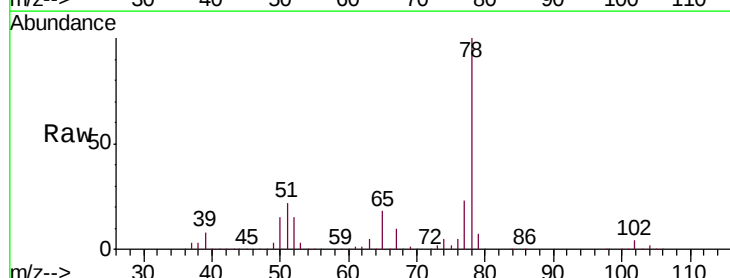
Manual Integrations
APPROVED

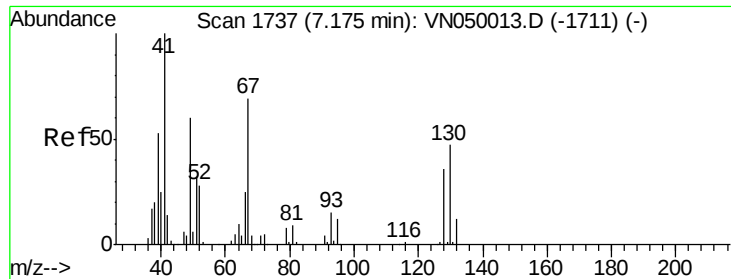
MMDadoda
7/26/2018 1:51:06 PM



#40
Benzene
Concen: 50.37 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1





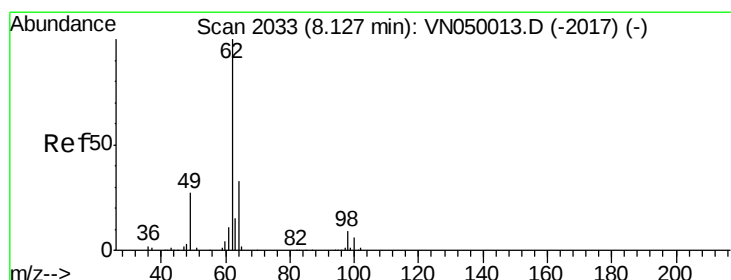
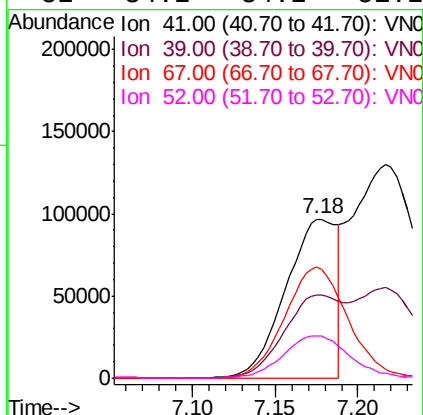
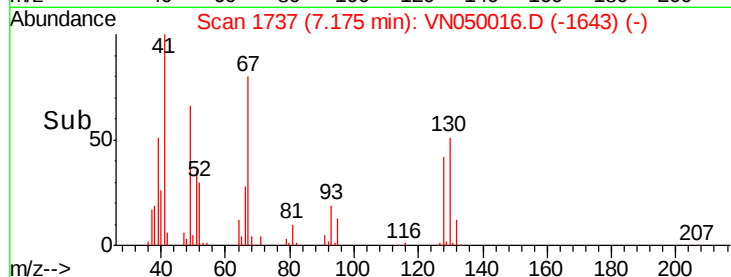
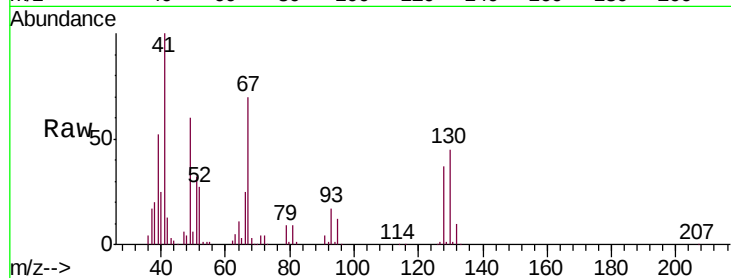
#41
Methacrylonitrile
Concen: 49.99 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.4	55.8	83.6	
67	86.7	84.3	126.5	
52	34.2	34.2	51.2	

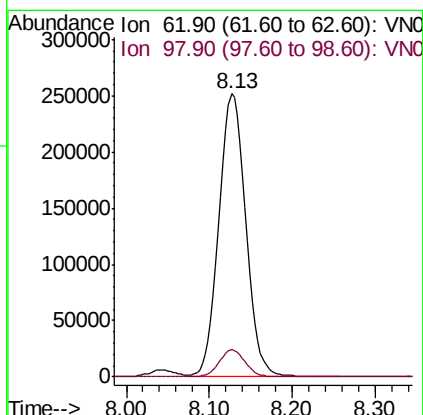
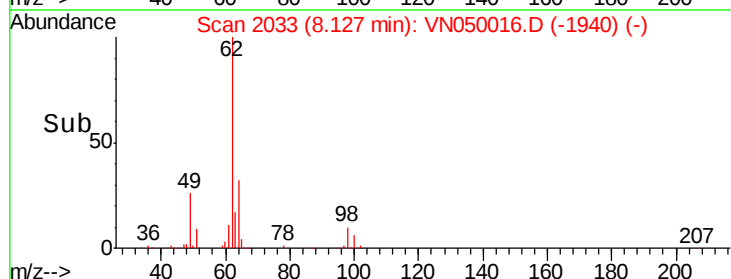
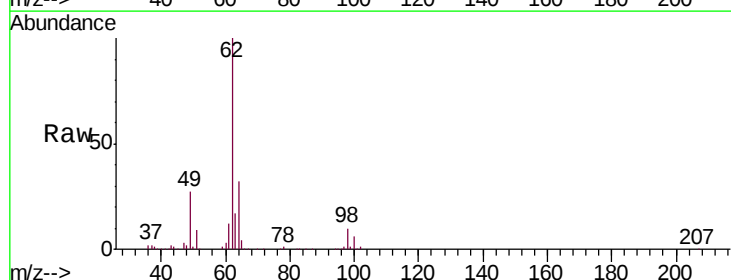
Manual Integrations
APPROVED

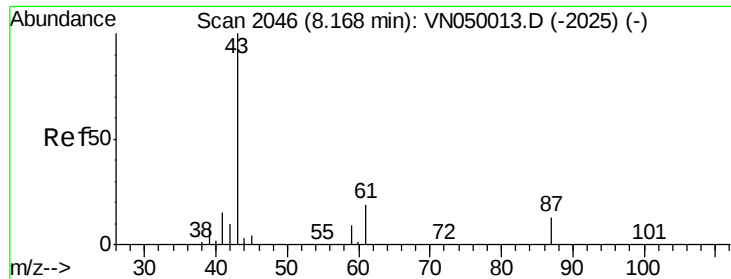
MMDadoda
7/26/2018 1:51:06 PM



#42
1,2-Dichloroethane
Concen: 48.57 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	18.8	





#43

Isopropyl Acetate

Concen: 49.68 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

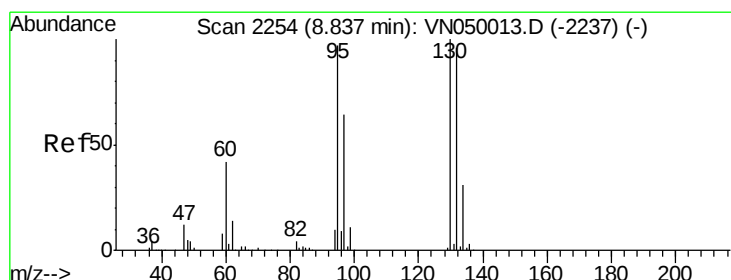
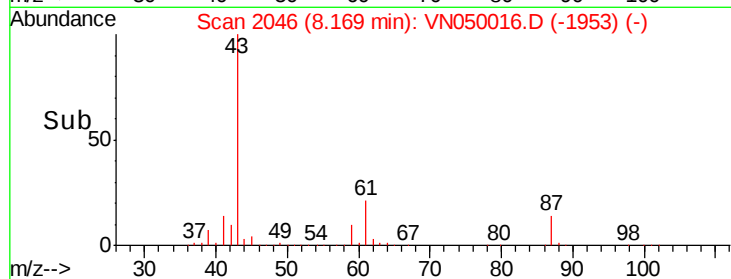
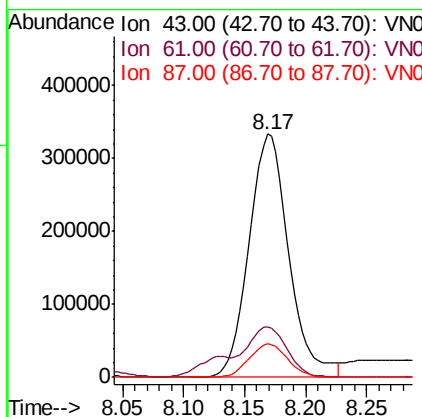
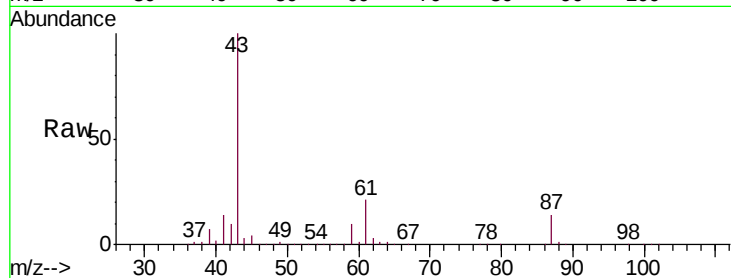
ClientSampleId :

ICVVN072418

Tot Ion:	43	Resp:	751657
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.6
87	13.3	10.3	15.5

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#44

Trichloroethene

Concen: 49.21 ug/l

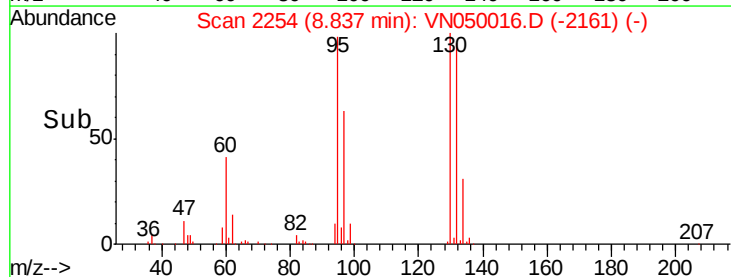
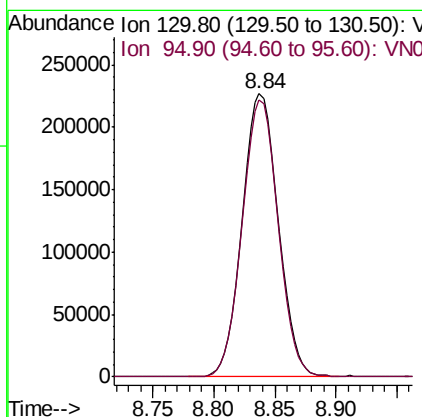
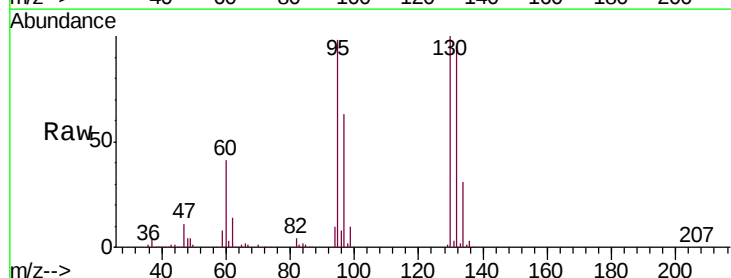
RT: 8.84 min Scan# 2254

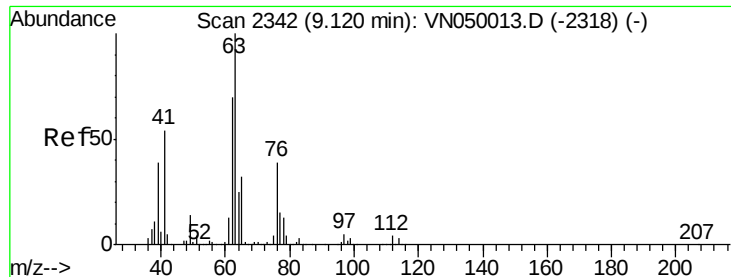
Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Tgt Ion:	130	Resp:	463299
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	194.6





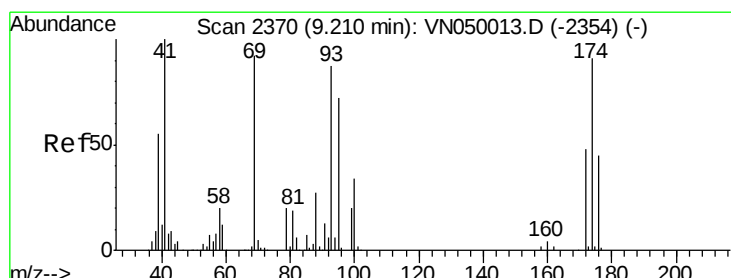
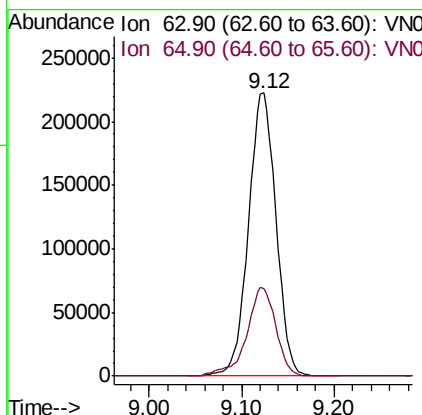
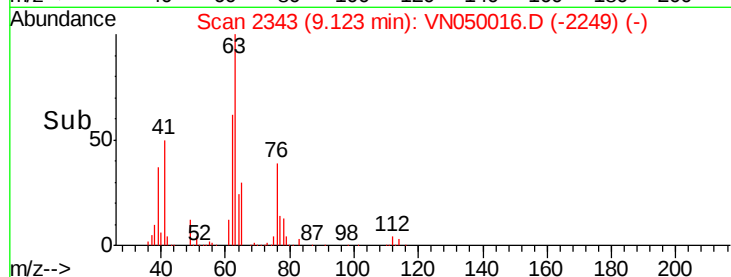
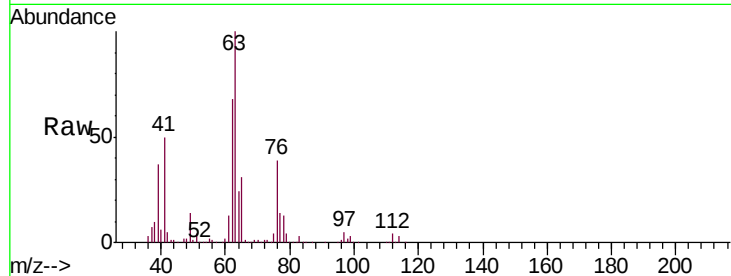
#45
 1,2-Dichloropropane
 Concen: 49.34 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072418

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.5	38.3

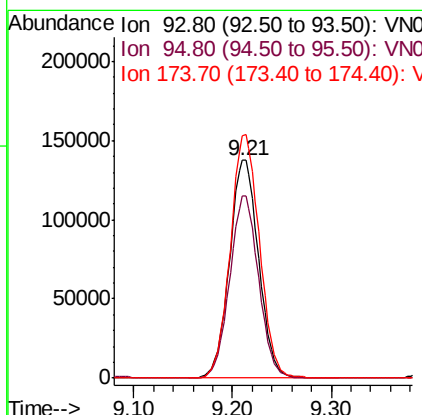
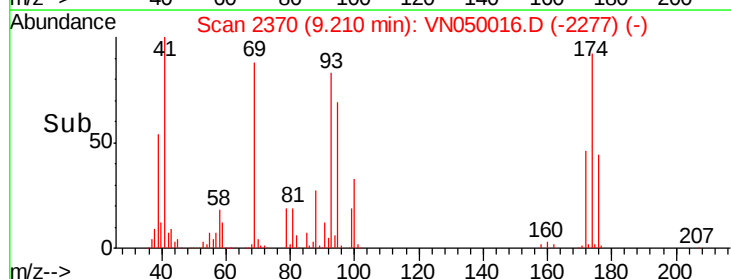
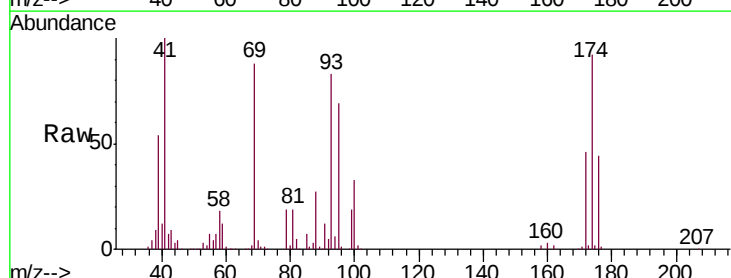
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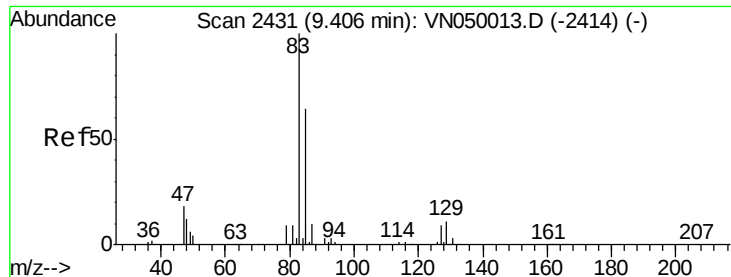
MMDadoda
 7/26/2018 1:51:06 PM



#46
 Dibromomethane
 Concen: 49.23 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.6	100.0
174	111.4	87.1	130.7





#47

Bromodichloromethane

Concen: 48.60 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

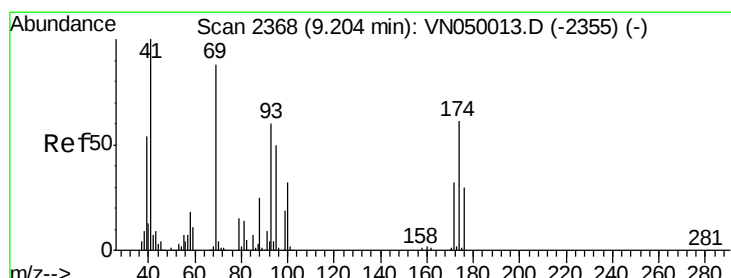
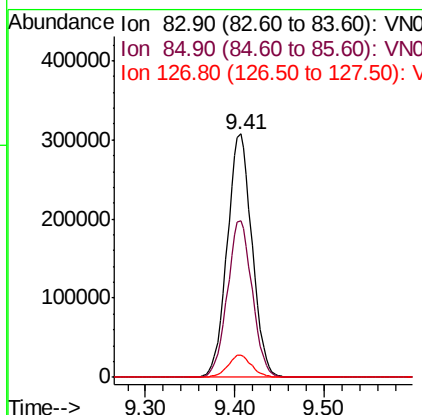
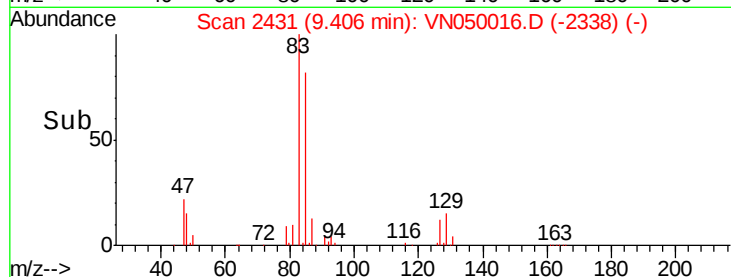
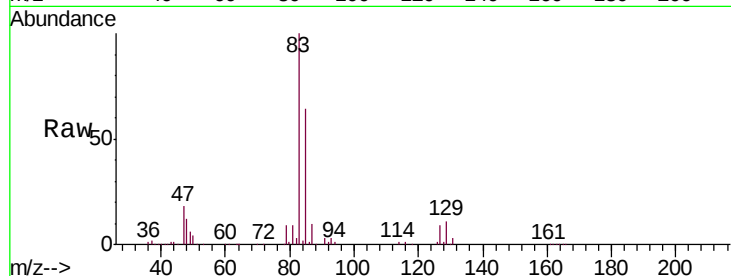
ClientSampleId :

ICVVN072418

Tot Ion:	83	Resp:	591099
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.1	76.7
127	9.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.50 ug/l

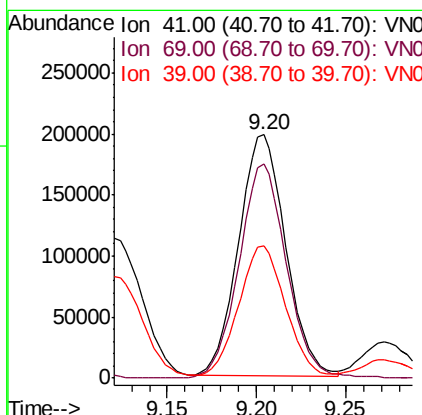
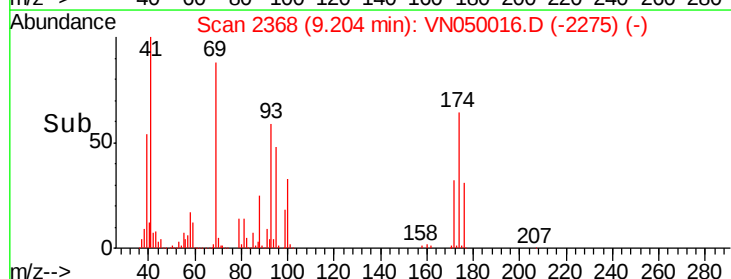
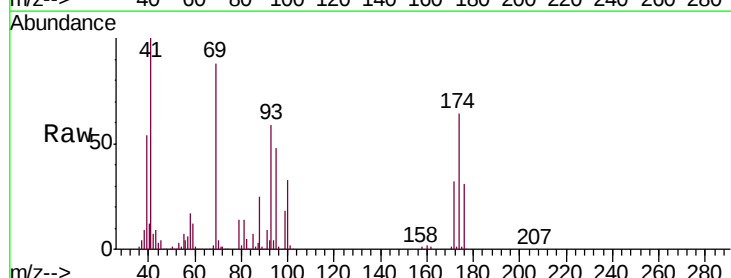
RT: 9.20 min Scan# 2368

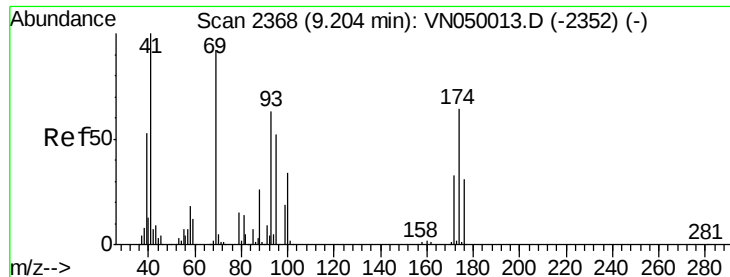
Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Tgt Ion:	41	Resp:	363017
Ion Ratio	Lower	Upper	
41	100		
69	90.1	70.6	105.8
39	55.2	43.9	65.9





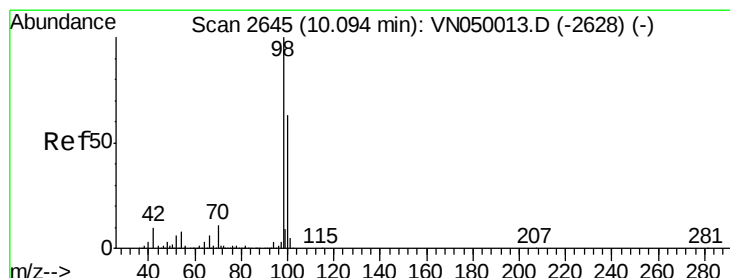
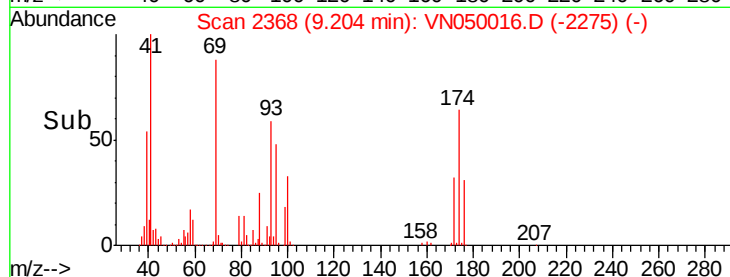
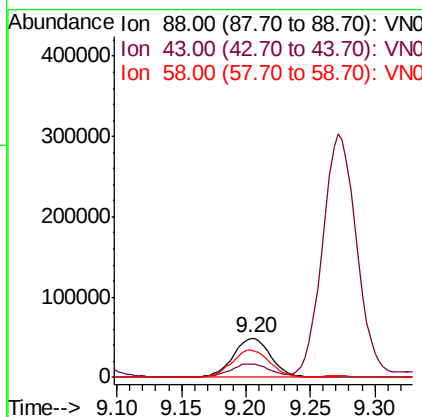
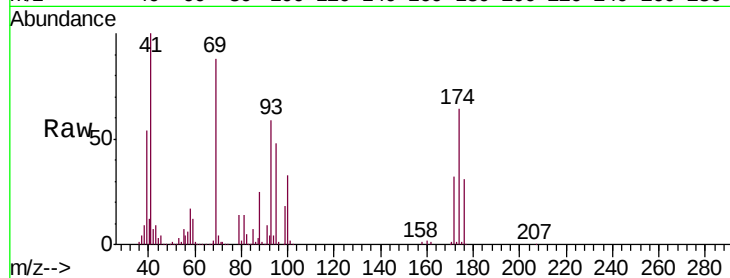
#49
1,4-Dioxane
Concen: 1061.06 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion	88	Resp	99840
Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.9	40.3
58	70.1	57.3	85.9

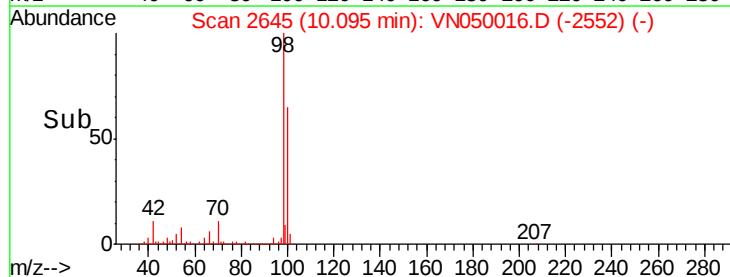
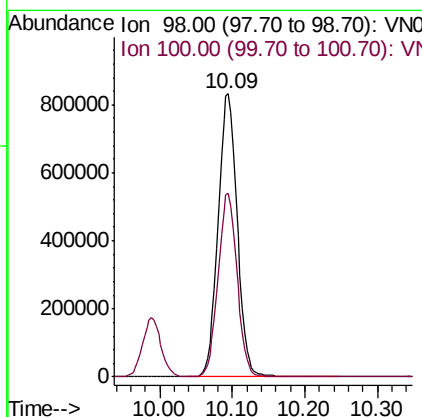
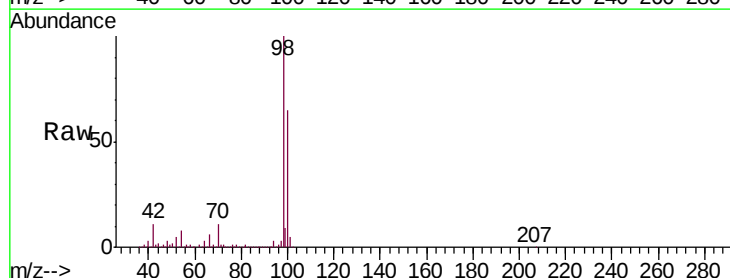
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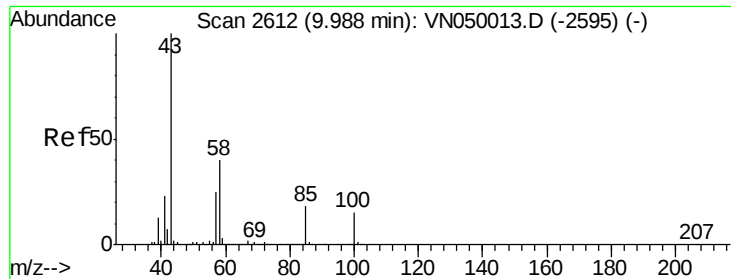
MMDadoda
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#50
Toluene-d8
Concen: 49.46 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion	98	Resp	1517289
Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.7	76.1





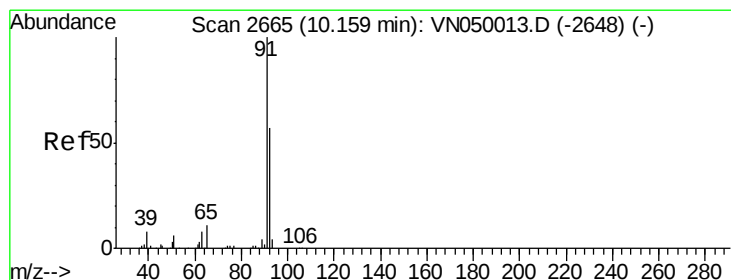
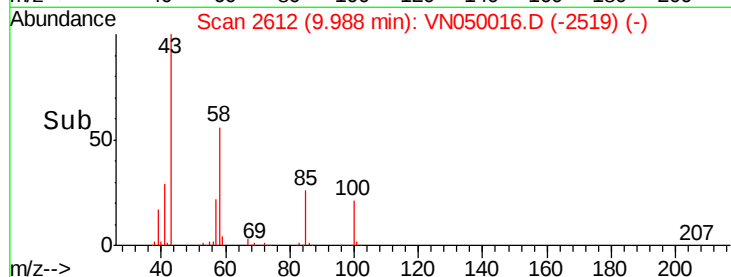
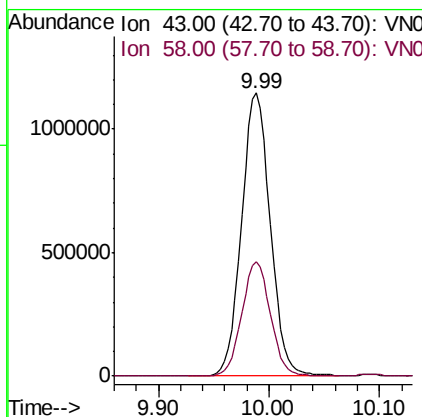
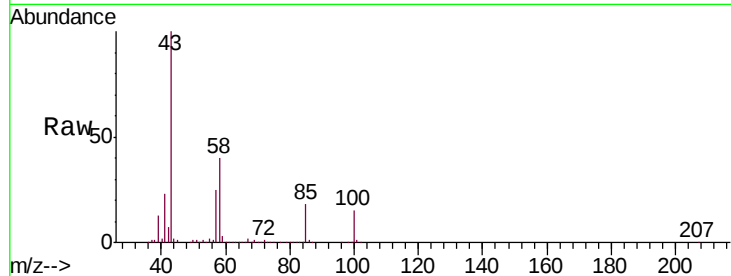
#51
4-Methyl-2-Pentanone
Concen: 260.92 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion: 43 Resp: 2059243
Ion Ratio Lower Upper
43 100
58 40.2 31.9 47.9

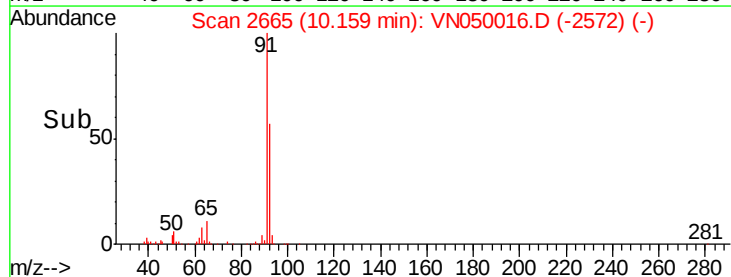
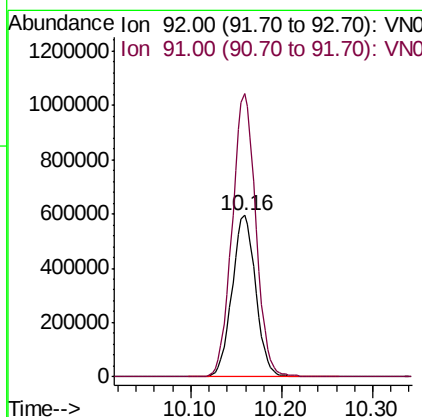
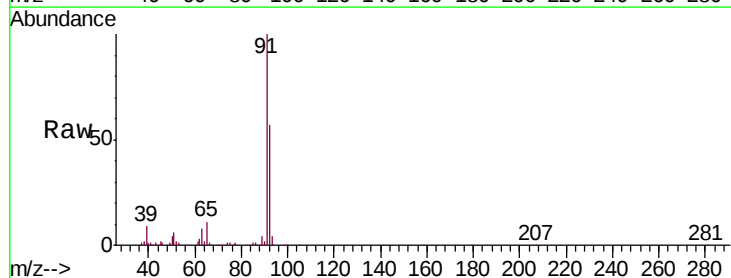
Manual Integrations
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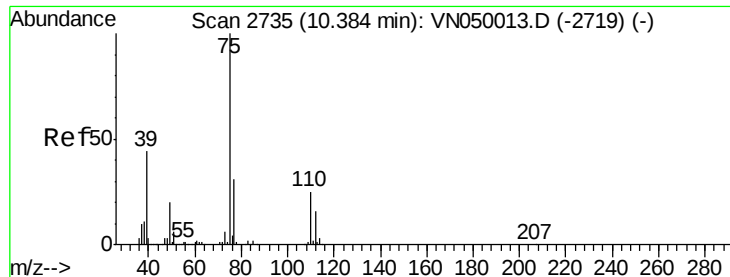
MMDadoda
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#52
Toluene
Concen: 51.96 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion: 92 Resp: 1074692
Ion Ratio Lower Upper
92 100
91 175.5 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 52.62 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072418

Tot Ion: 75 Resp: 603935

Ion Ratio Lower Upper

75 100

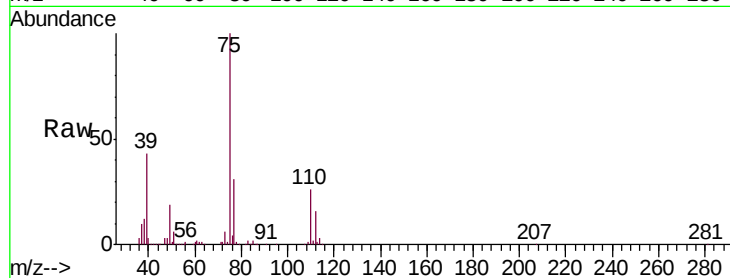
77 31.2 24.9 37.3

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

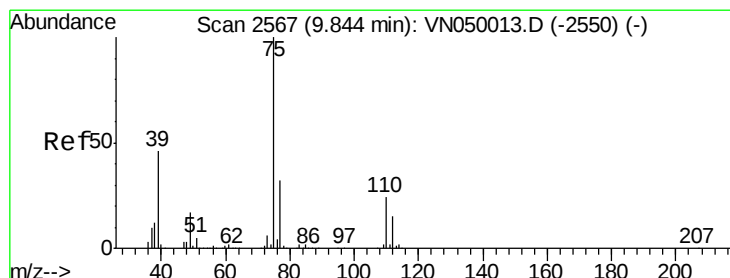
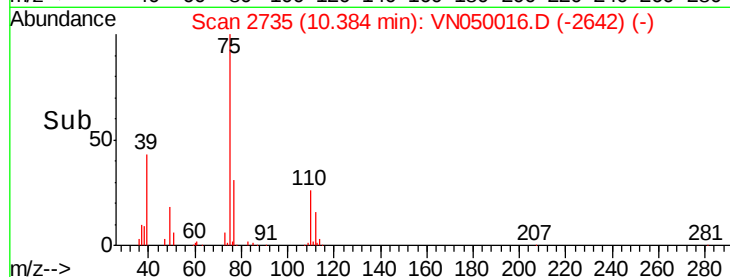
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.74 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

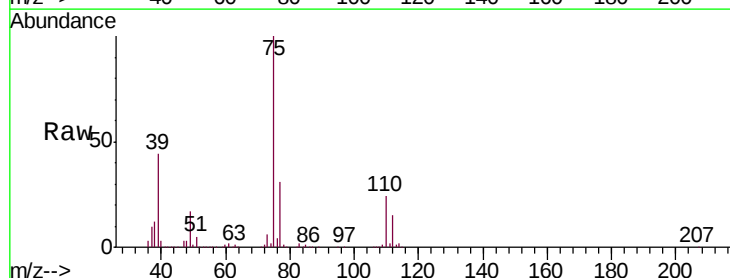
Tgt Ion: 75 Resp: 678627

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

39 44.2 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

500000

400000

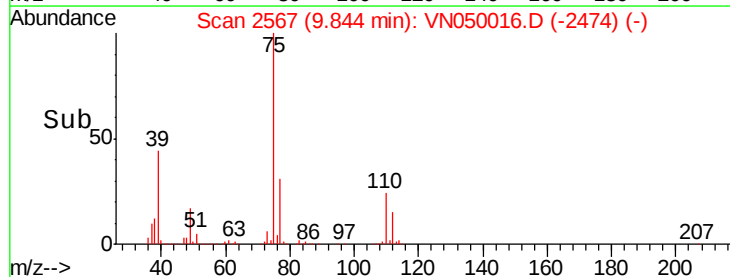
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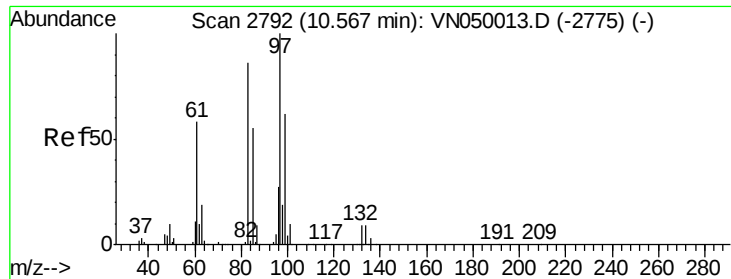
200000

100000

0

Time-->





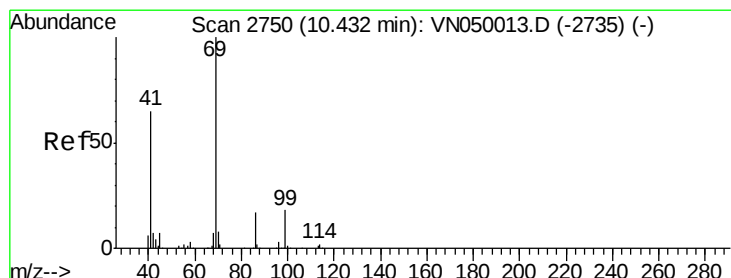
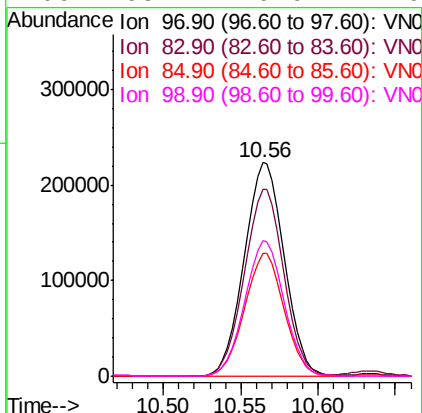
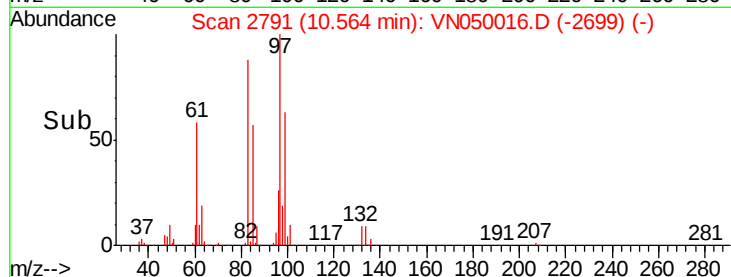
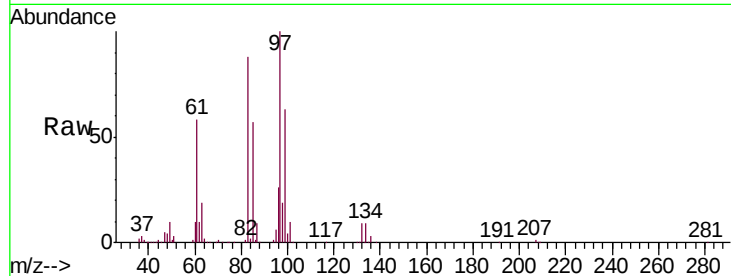
#55
 1,1,2-Trichloroethane
 Concen: 49.10 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072418

Tot Ion:	97	Resp:	402809
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.2	103.8
85	57.4	44.0	66.0
99	63.2	49.9	74.9

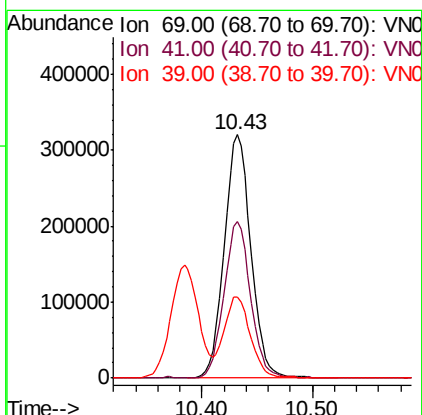
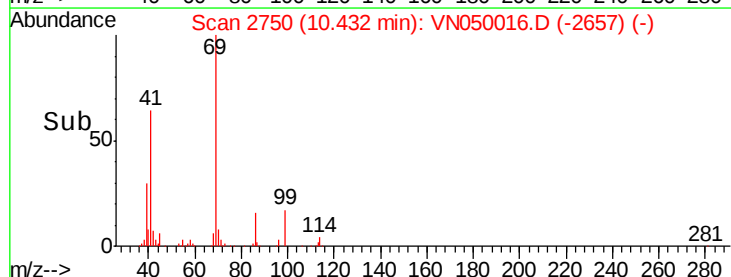
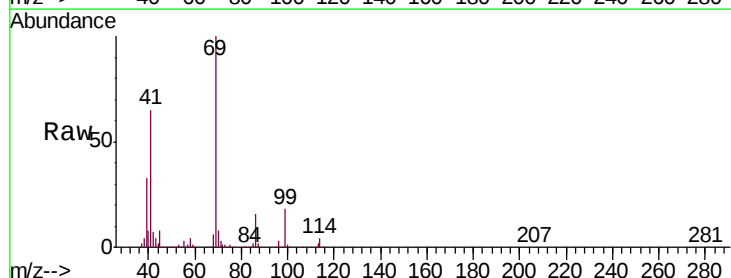
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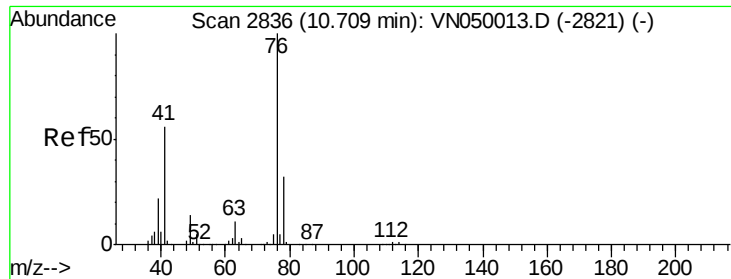
MMDadoda
 7/26/2018 1:51:06 PM



#56
 Ethyl methacrylate
 Concen: 48.37 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Tgt Ion:	69	Resp:	536818
Ion	Ratio	Lower	Upper
69	100		
41	63.3	51.0	76.4
39	33.3	26.6	40.0





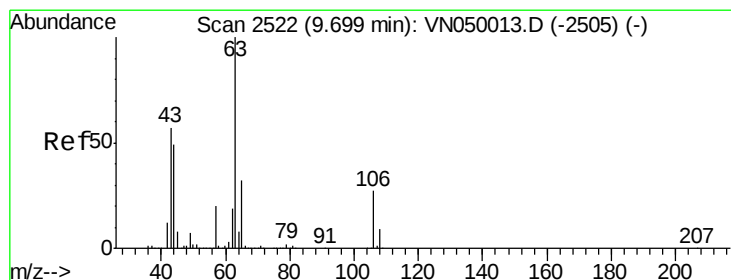
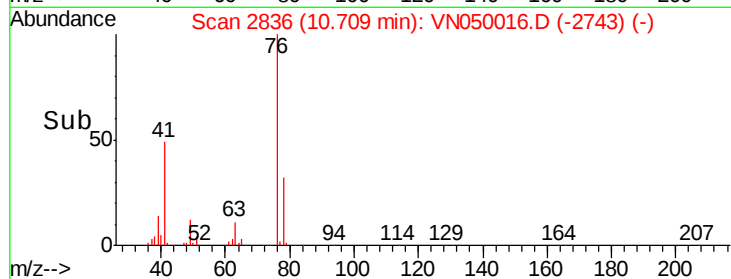
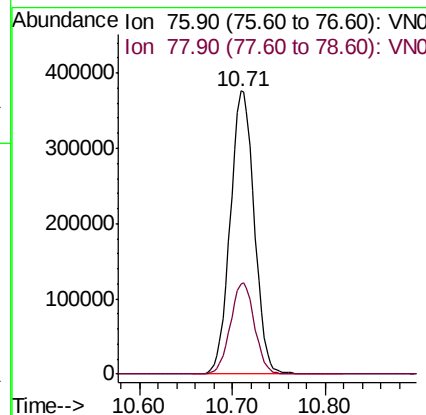
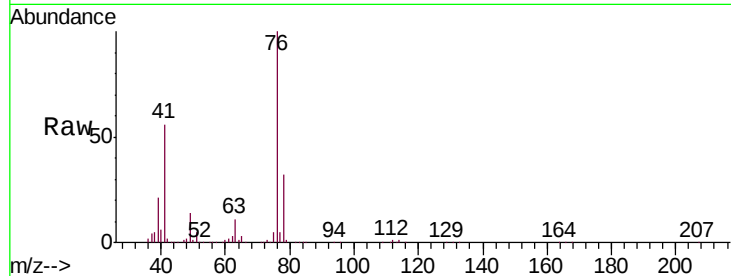
#57
 1,3-Dichloropropane
 Concen: 50.51 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072418

Tot Ion: 76 Resp: 674729
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5

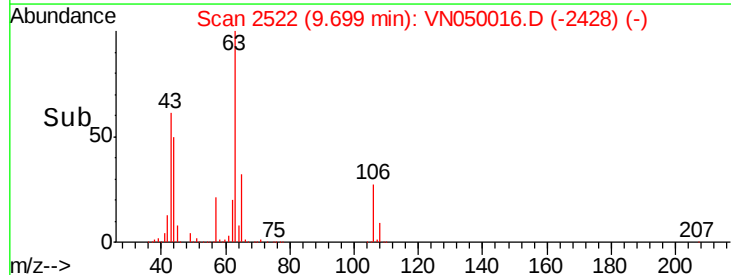
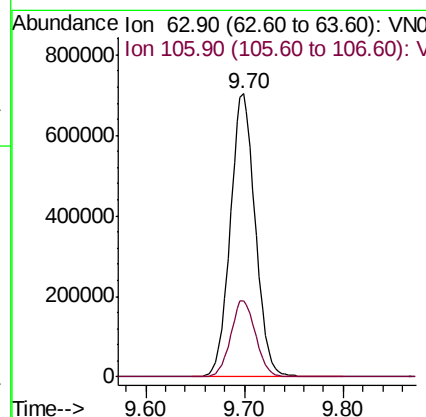
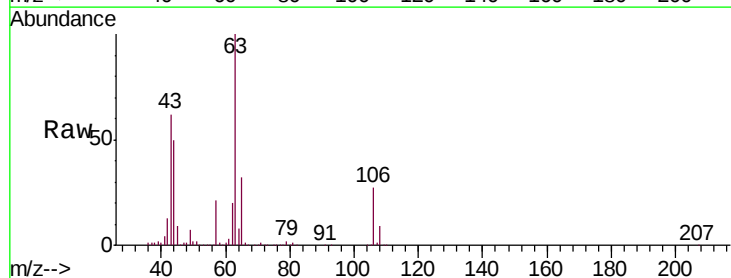
Manual Integrations
 APPROVED

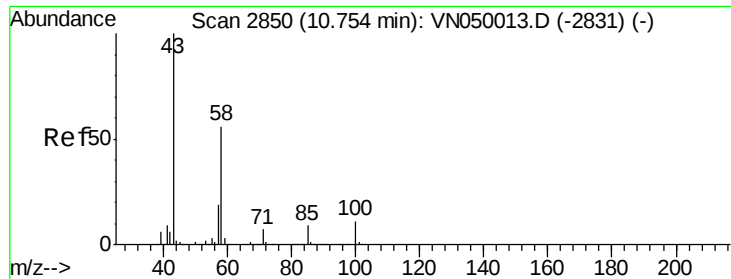
MMDadoda
 7/26/2018 1:51:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.41 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Tgt Ion: 63 Resp: 1246497
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5





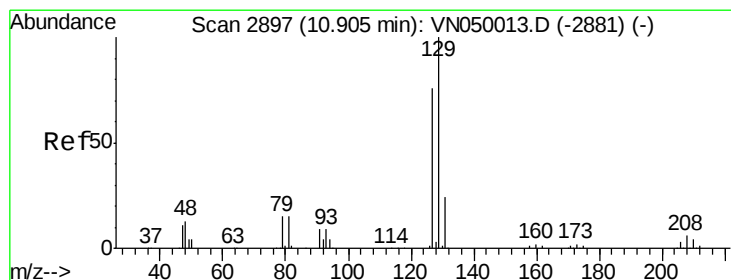
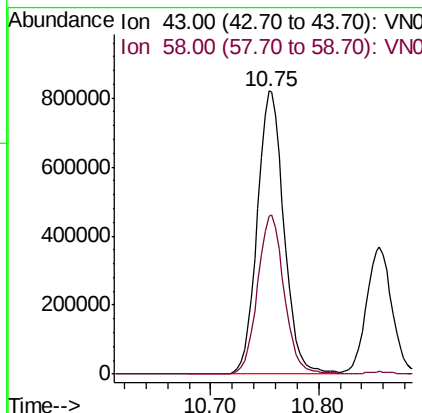
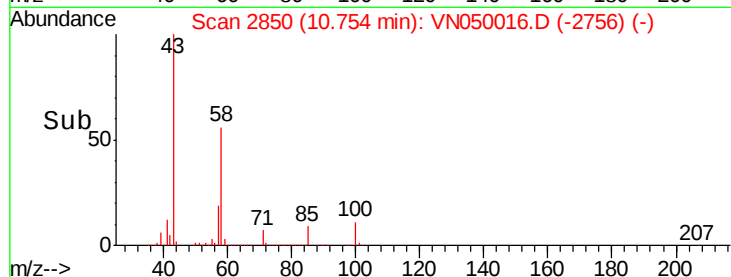
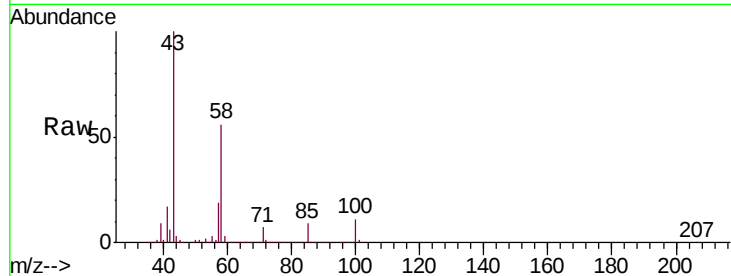
#59
2-Hexanone
Concen: 242.41 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion: 43 Resp: 1404885
Ion Ratio Lower Upper
43 100
58 55.9 27.6 82.7

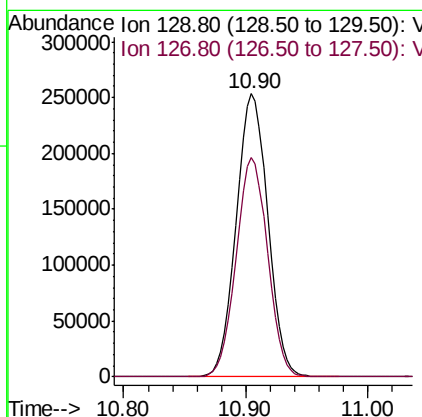
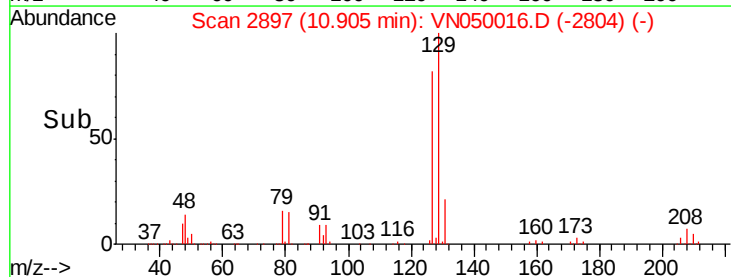
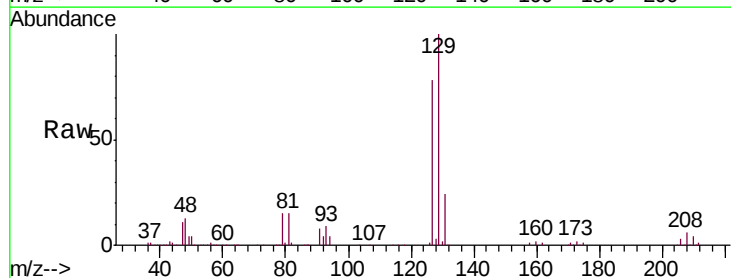
Manual Integrations
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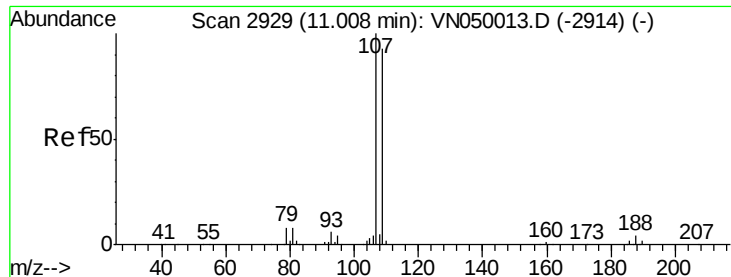
MMDadoda
7/26/2018 1:51:06 PM



#60
Dibromochloromethane
Concen: 50.00 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion: 129 Resp: 454202
Ion Ratio Lower Upper
129 100
127 77.1 38.0 113.9





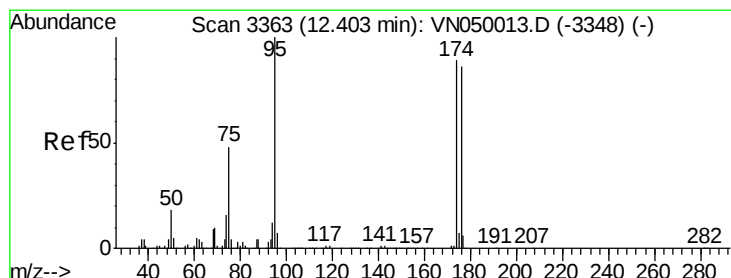
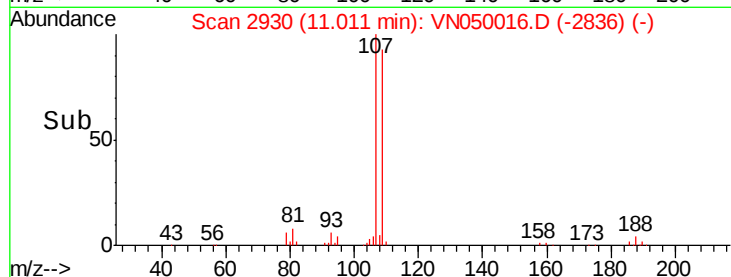
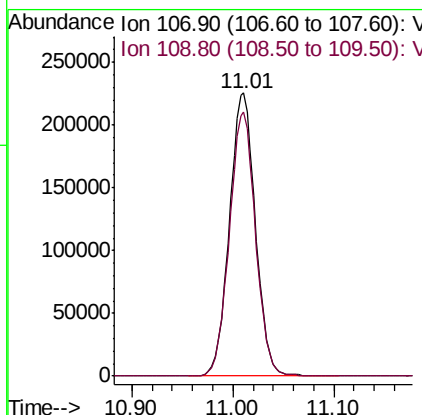
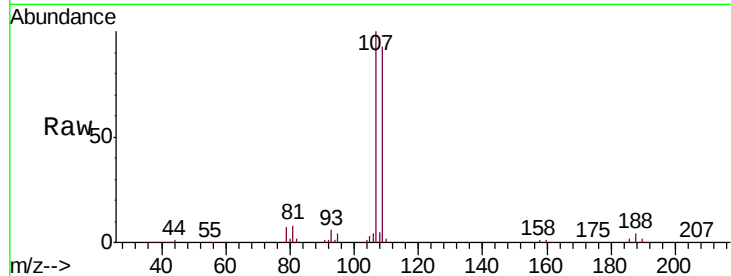
#61
 1,2-Dibromoethane
 Concen: 49.60 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072418

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.6	112.0

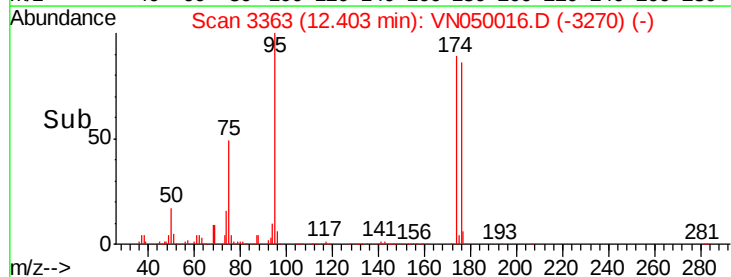
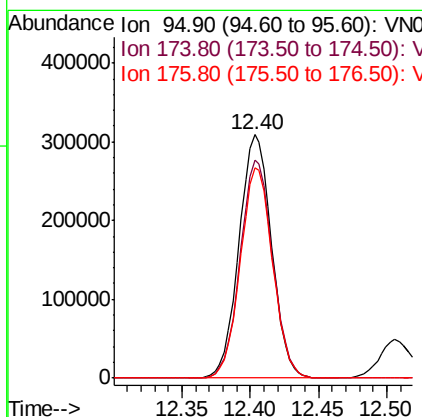
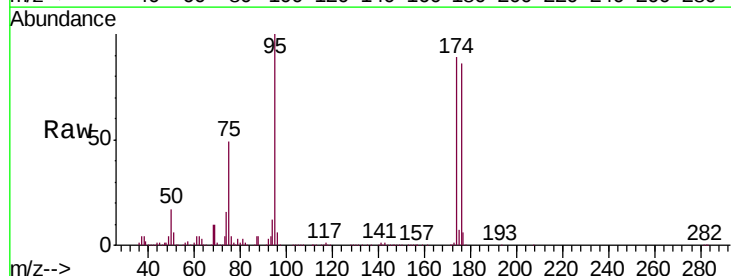
Manual Integrations
 APPROVED

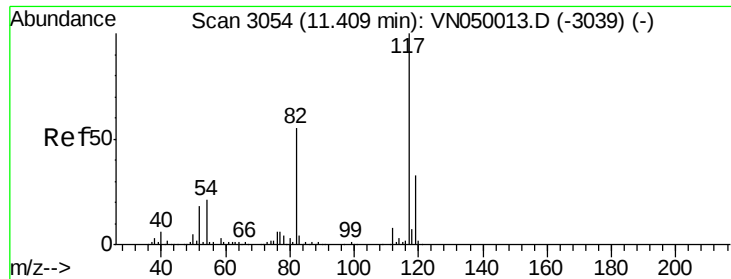
MMDadoda
 7/26/2018 1:51:06 PM



#62
 4-Bromofluorobenzene
 Concen: 50.69 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	178.2
176	85.9	0.0	173.4





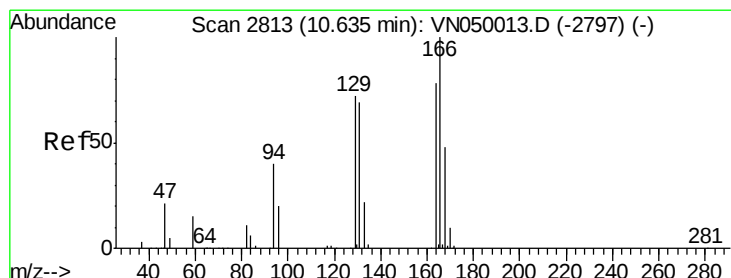
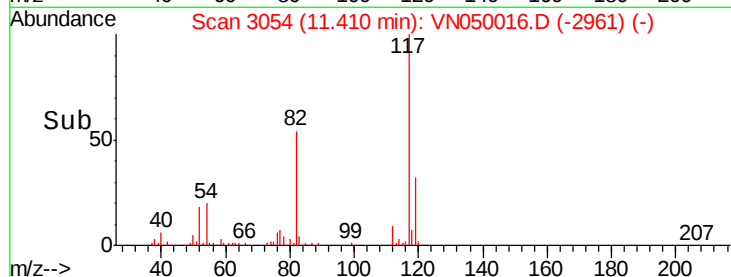
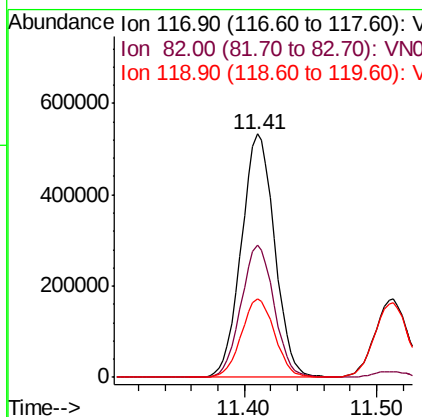
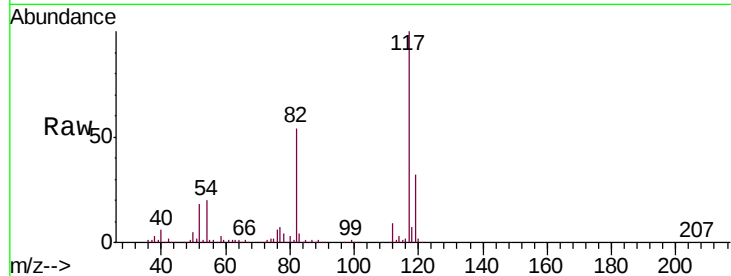
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.7	65.5
119	32.0	26.1	39.1

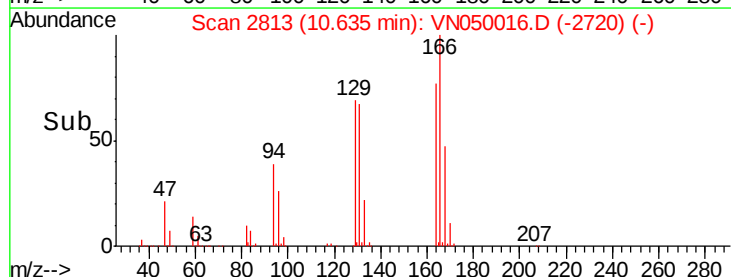
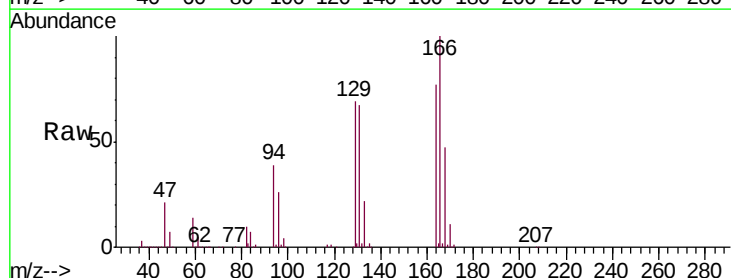
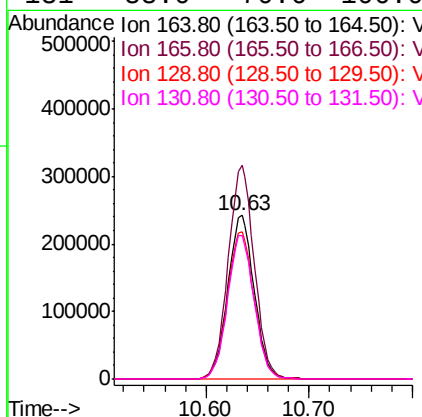
Manual Integrations
APPROVED

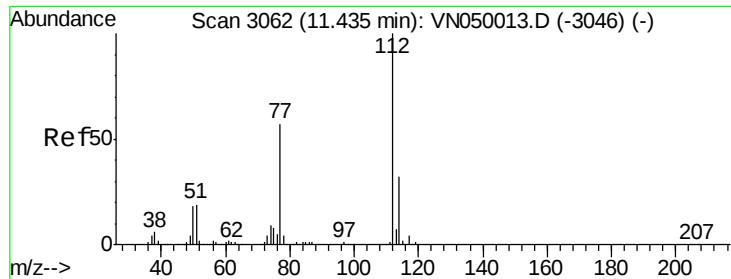
MMDadoda
7/26/2018 1:51:06 PM



#64
Tetrachloroethene
Concen: 48.44 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	102.1	153.1
129	90.2	73.2	109.8
131	88.0	70.6	106.0





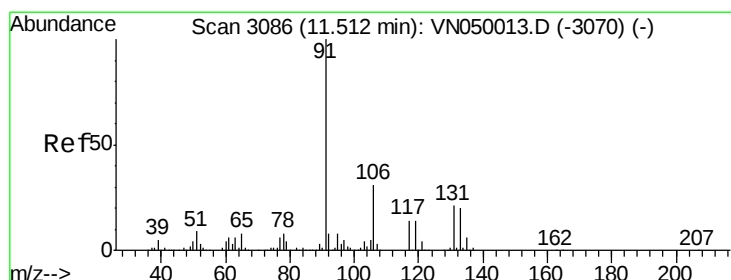
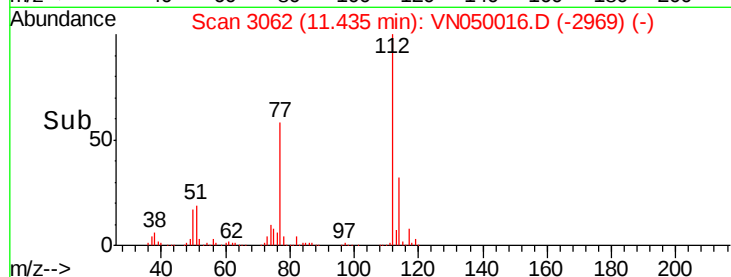
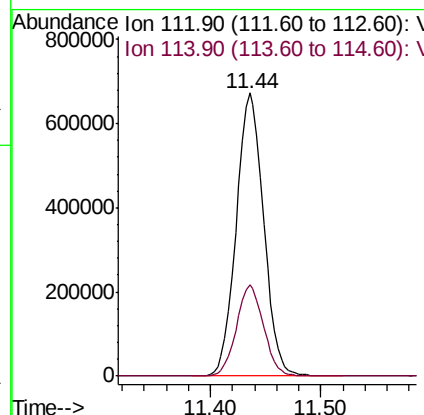
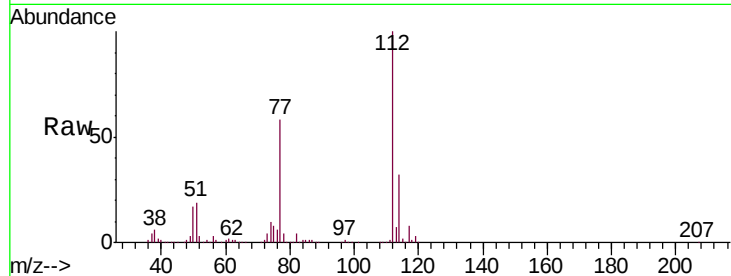
#65
Chlorobenzene
Concen: 49.27 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion:112 Resp: 1158529
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

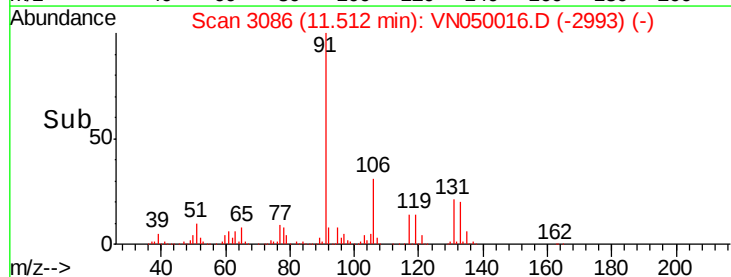
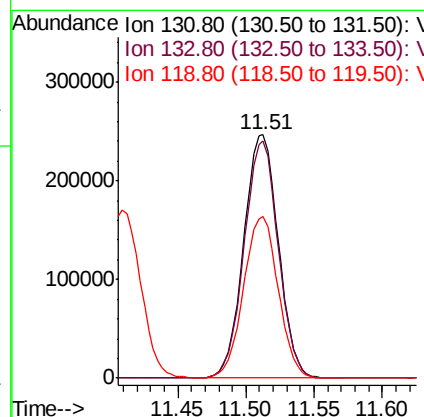
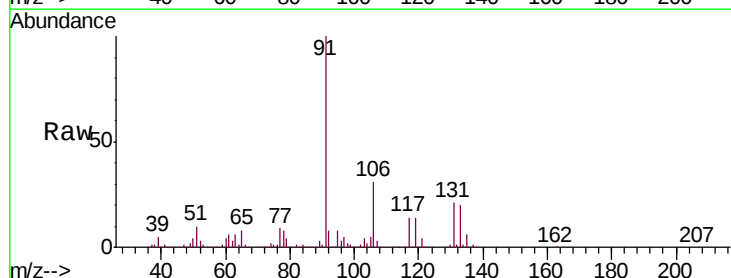
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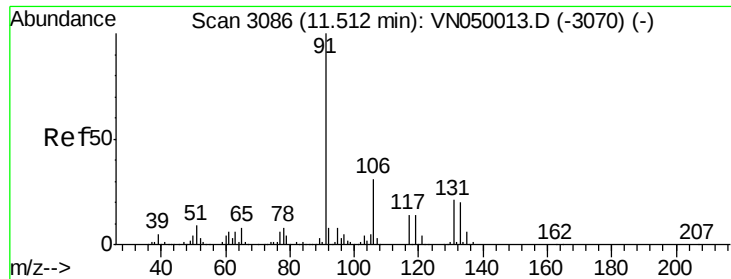
MMDadoda
7/26/2018 1:51:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.12 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion:131 Resp: 434695
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.9
119 66.5 32.9 98.7





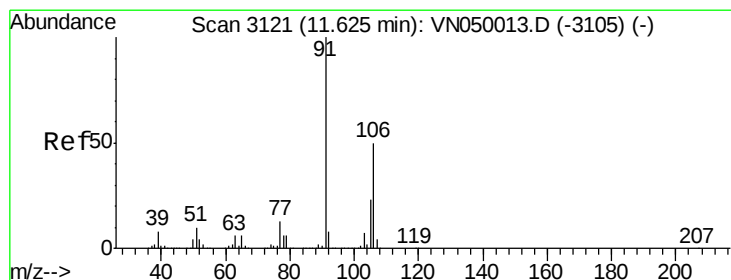
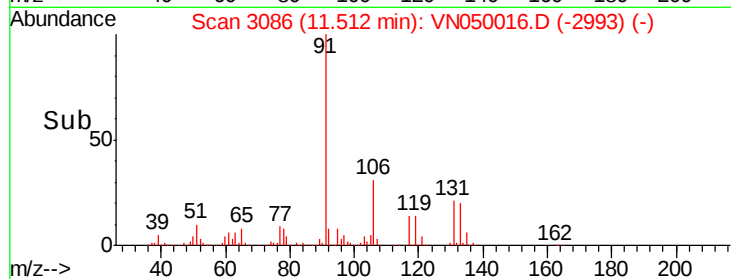
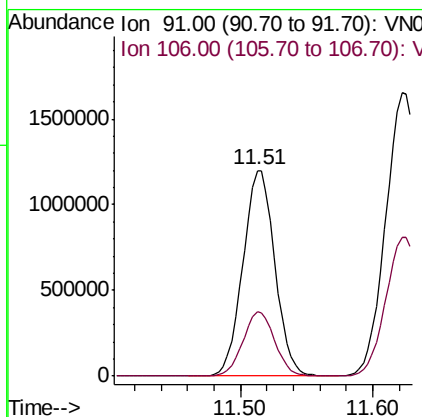
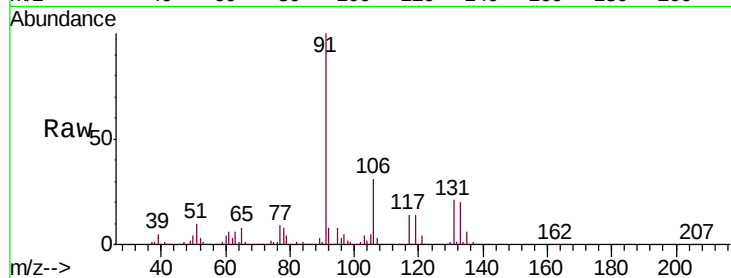
#67
Ethyl Benzene
Concen: 53.10 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion: 91 Resp: 2005471
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4

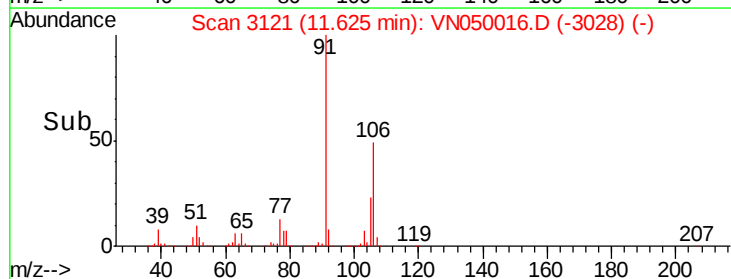
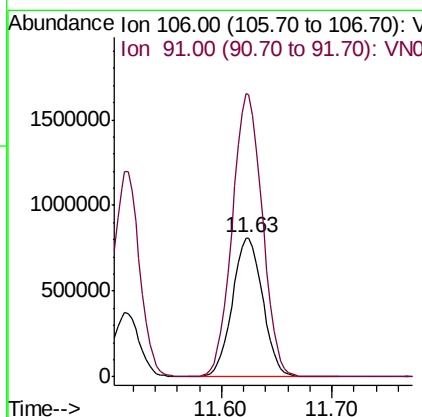
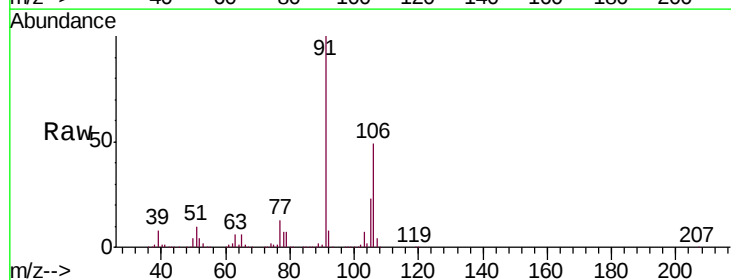
Manual Integrations
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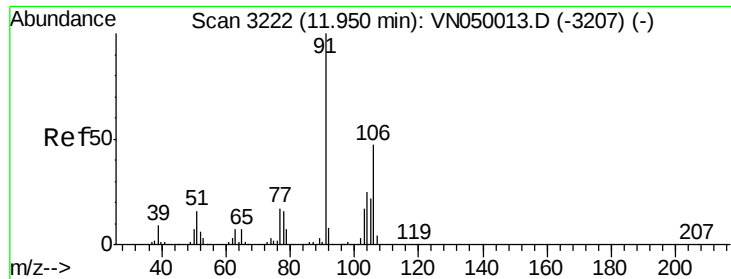
MMDadoda
7/26/2018 1:51:06 PM



#68
m/p-Xylenes
Concen: 108.16 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion: 106 Resp: 1545097
Ion Ratio Lower Upper
106 100
91 202.4 162.2 243.2





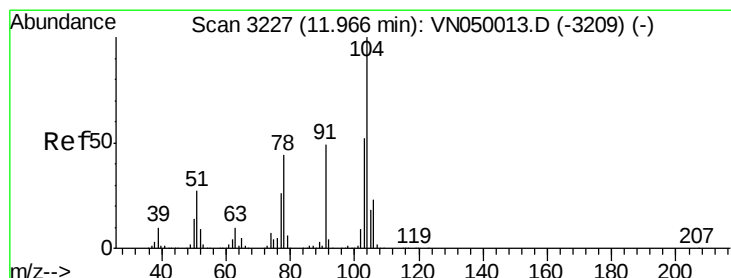
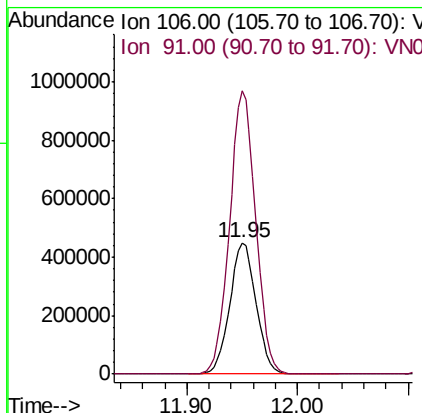
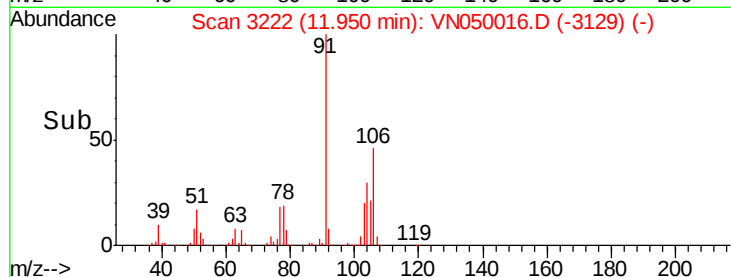
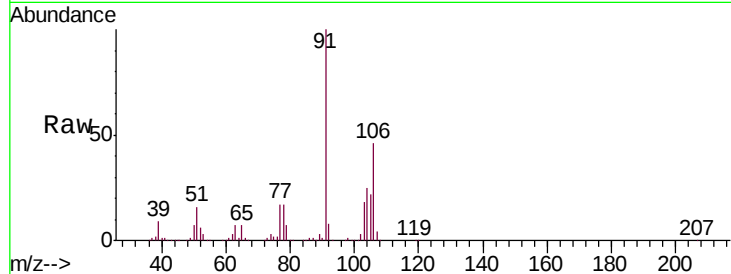
#69
o-Xylene
Concen: 54.32 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampled :
ICVVN072418

Tot Ion	Ion	Ratio	Lower	Upper
739752	106	100		
	91	214.3	107.7	323.1

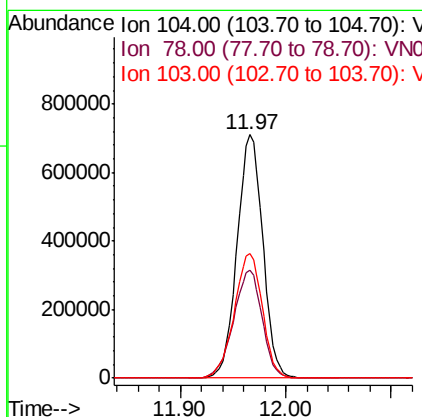
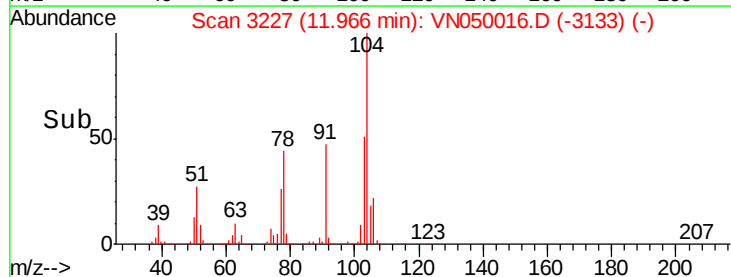
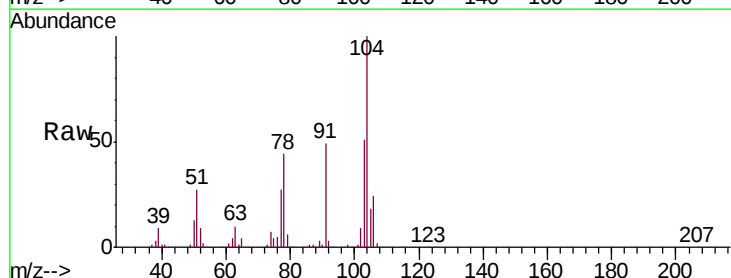
Manual Integrations
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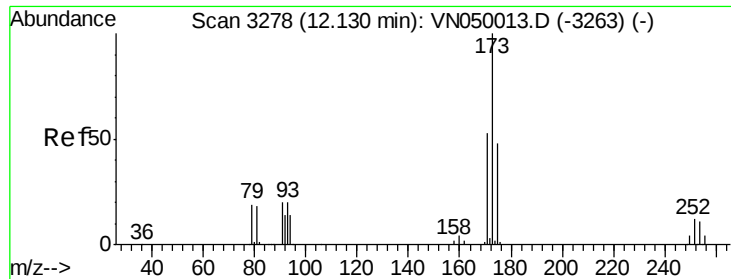
MMDadoda
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#70
Styrene
Concen: 49.61 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion	Ion	Ratio	Lower	Upper
1201433	104	100		
	78	49.1	39.3	58.9
	103	55.7	45.0	67.6





#71

Bromoform

Concen: 49.62 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

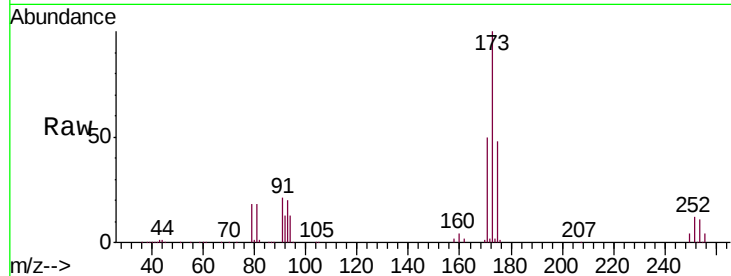
ClientSampleId :

ICVVN072418

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.2
254	0.1	0.2	0.2

Manual Integrations
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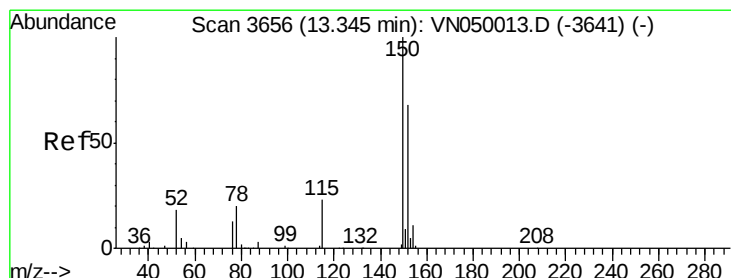
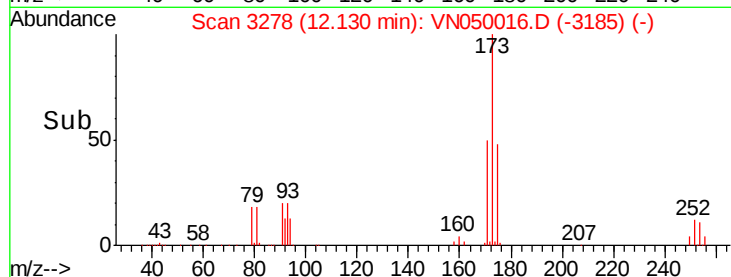
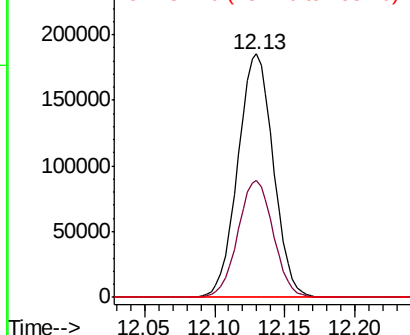


Abundance

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: 50.00 ug/l

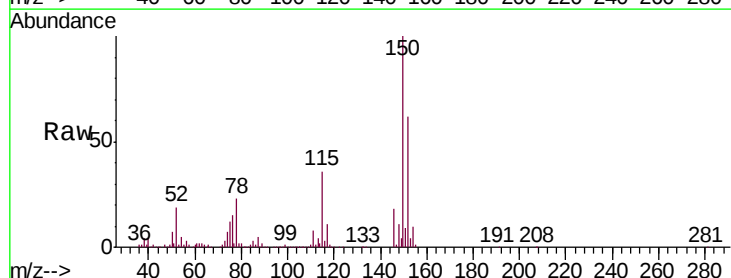
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.8	83.3
150	175.0	0.0	348.6

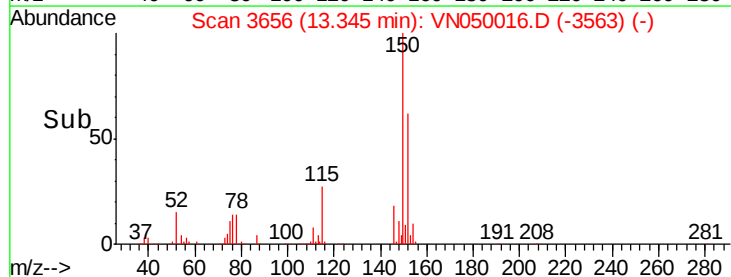
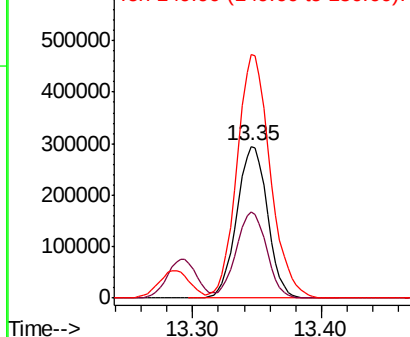


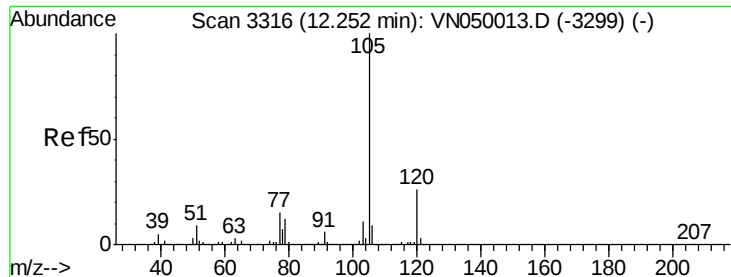
Abundance

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: 51.96 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072418

Tot Ion:105 Resp: 1954972

Ion Ratio Lower Upper

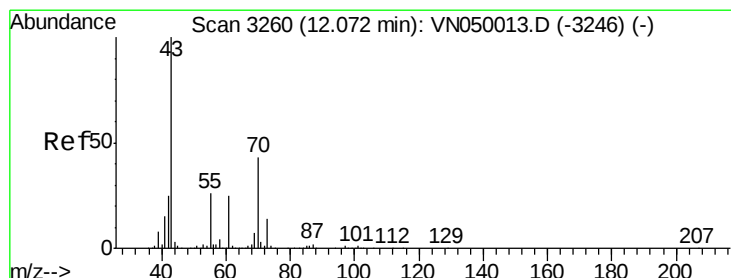
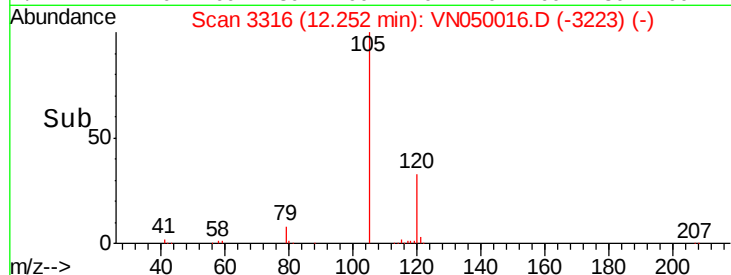
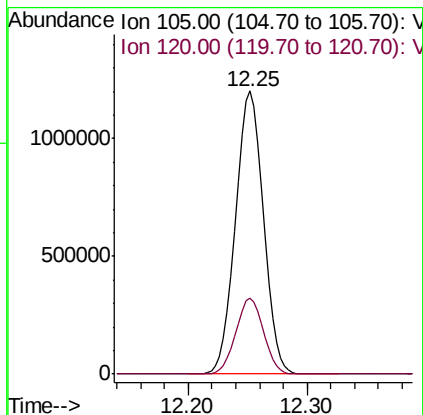
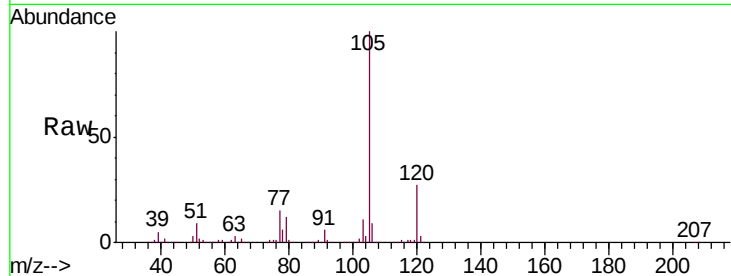
105 100

120 26.7 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 52.65 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Tgt Ion: 43 Resp: 605404

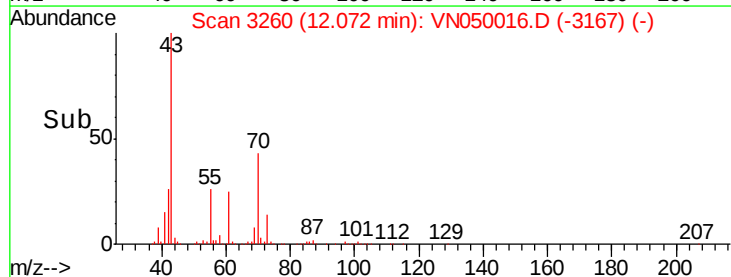
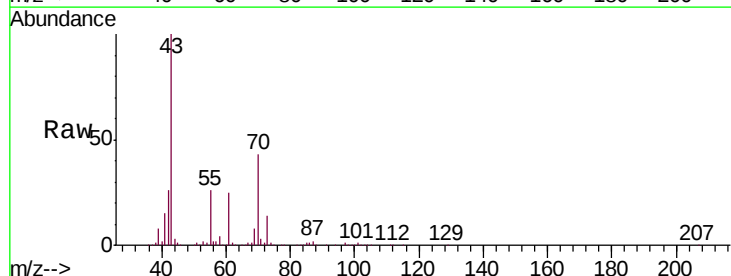
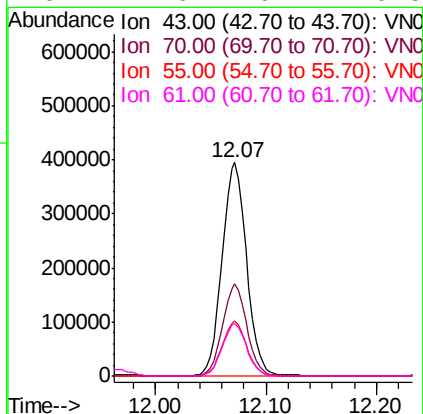
Ion Ratio Lower Upper

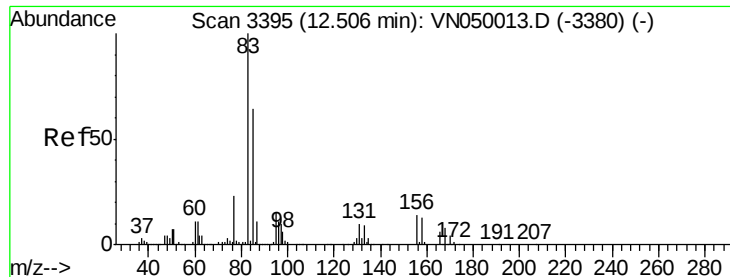
43 100

70 42.7 34.4 51.6

55 25.9 20.8 31.2

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.61 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

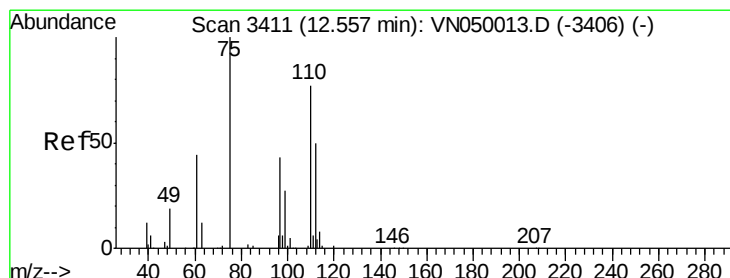
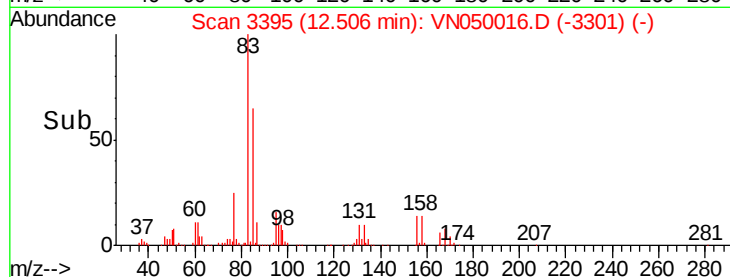
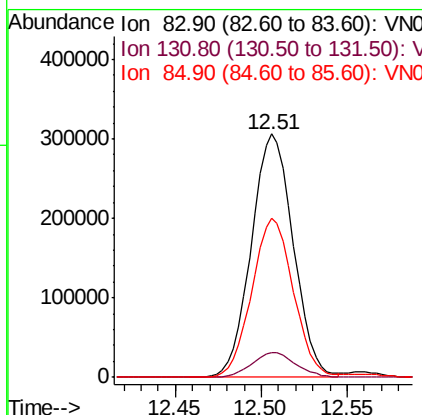
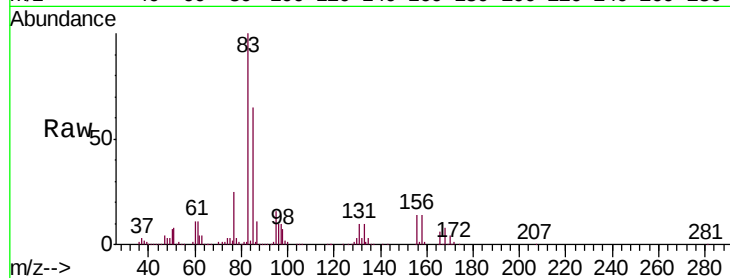
ClientSampled :

ICVVN072418

Tot Ion:	83	Resp:	518051
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	64.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.01 ug/l m

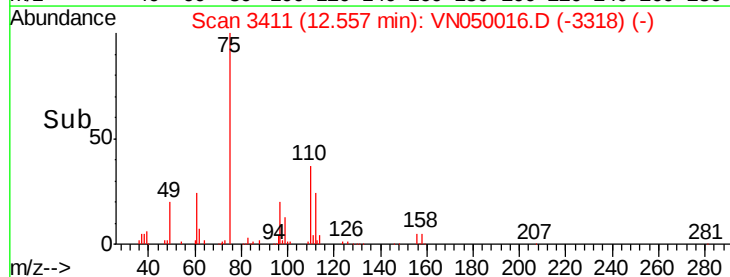
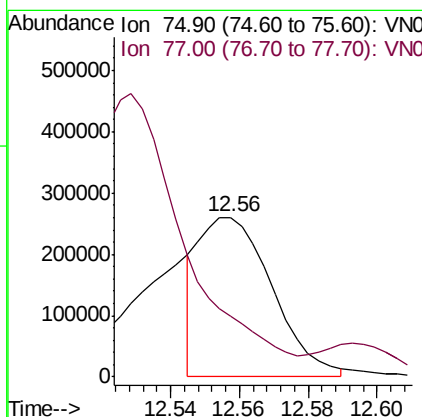
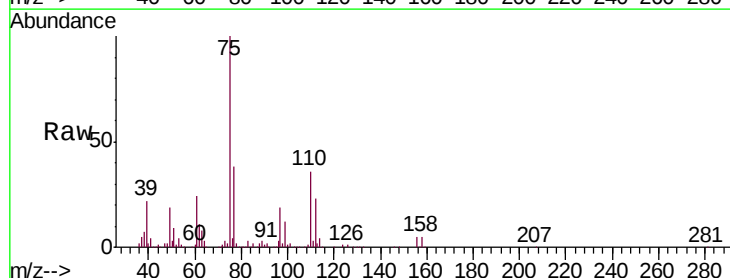
RT: 12.56 min Scan# 3411

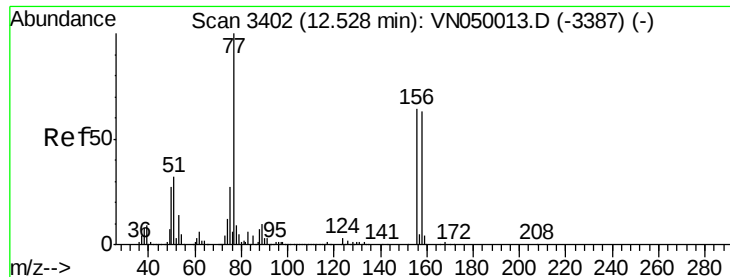
Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Tgt Ion:	75	Resp:	387821
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





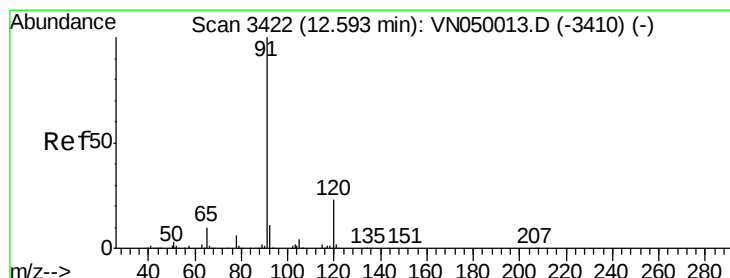
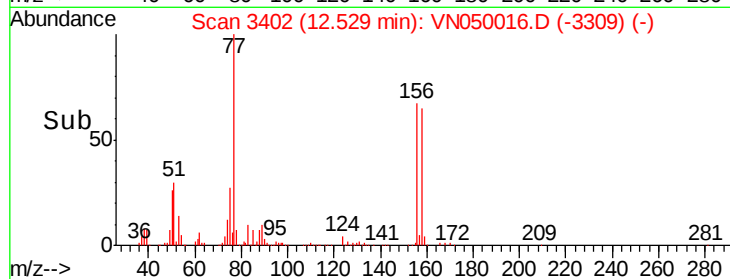
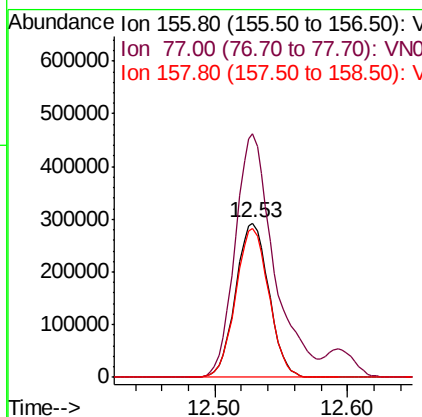
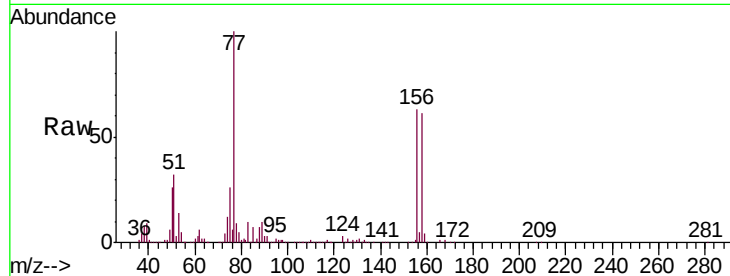
#77
Bromobenzene
Concen: 48.78 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.3	91.7	275.1
158	96.7	48.9	146.6

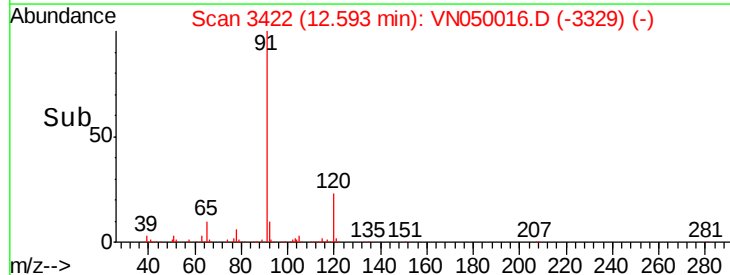
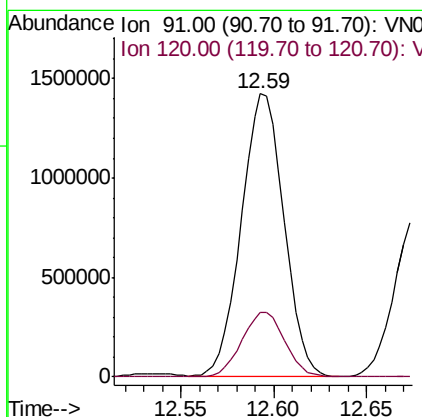
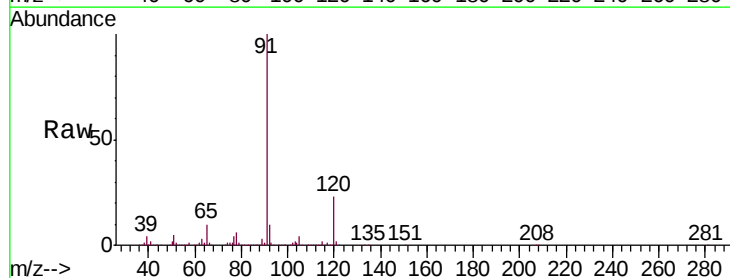
Manual Integrations
APPROVED

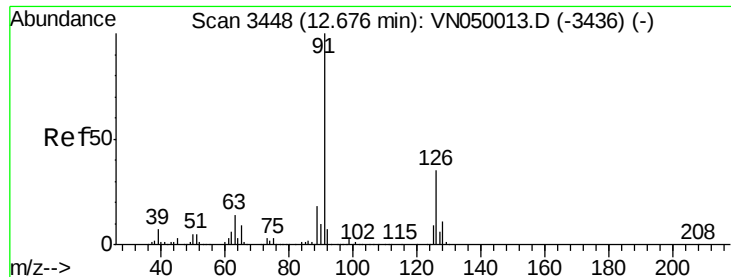
MMDadoda
7/26/2018 1:51:06 PM



#78
n-propylbenzene
Concen: 53.75 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.6	34.7





#79

2-Chlorotoluene

Concen: 51.42 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072418

Tot Ion: 91 Resp: 1340302

Ion Ratio Lower Upper

91 100

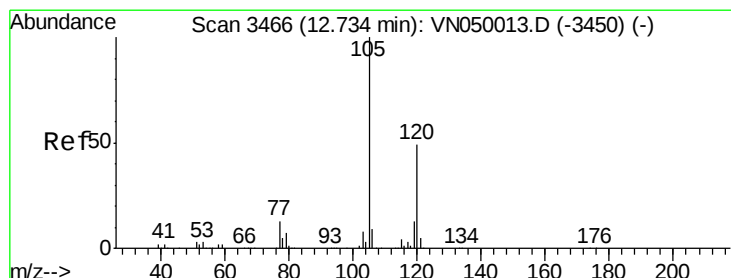
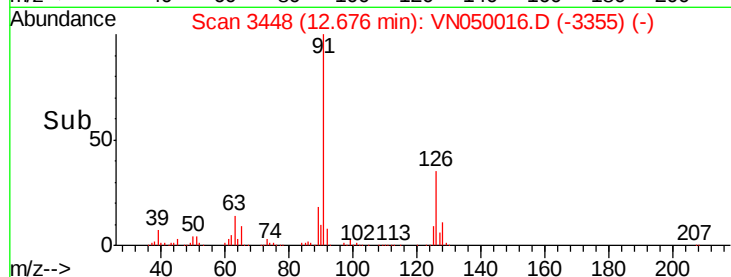
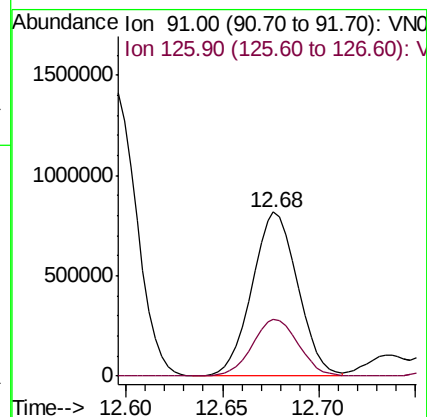
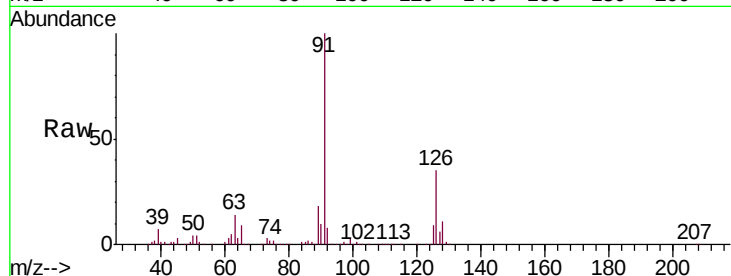
126 35.1 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.37 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050016.D

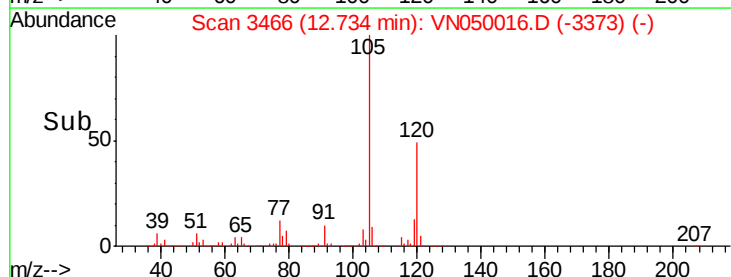
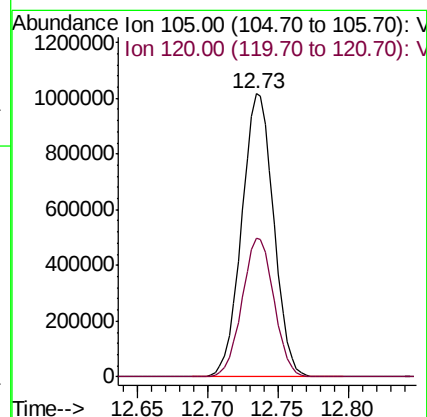
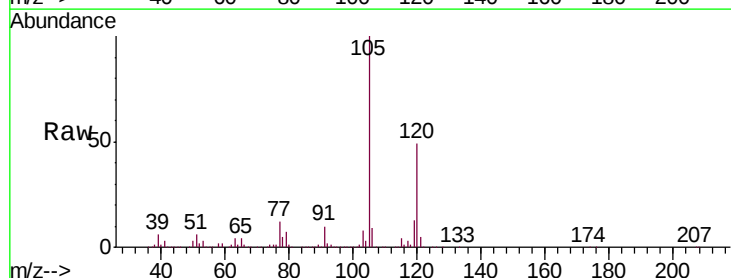
Acq: 23 Jul 2018 20:02

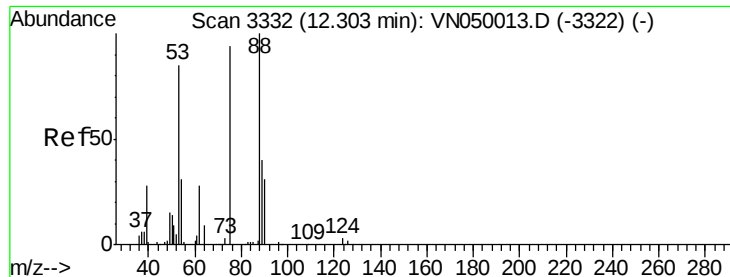
Tgt Ion: 105 Resp: 1609125

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 51.02 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072418

Tot Ion: 75 Resp: 145030

Ion Ratio Lower Upper

75 100

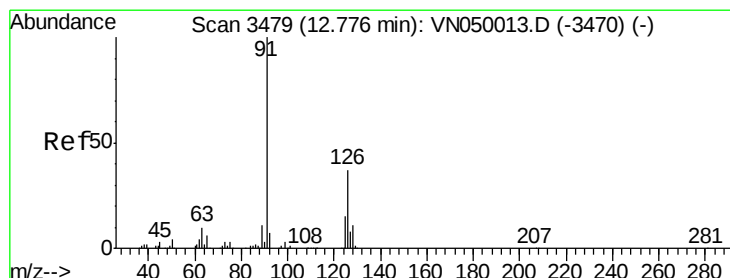
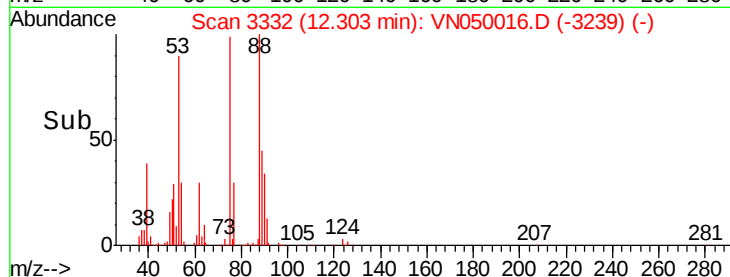
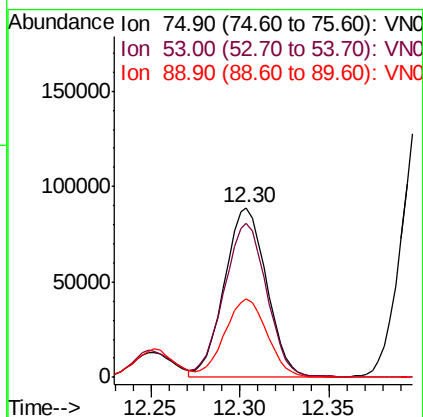
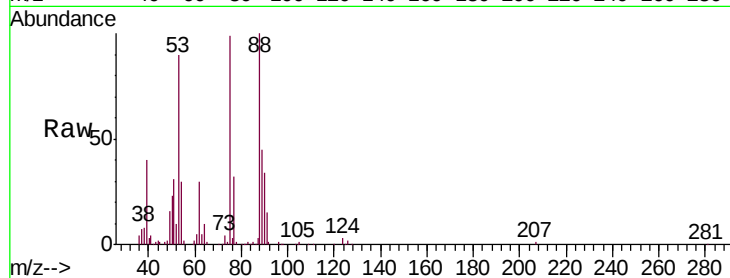
53 93.6 73.5 110.3

89 46.8 36.0 54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.42 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050016.D

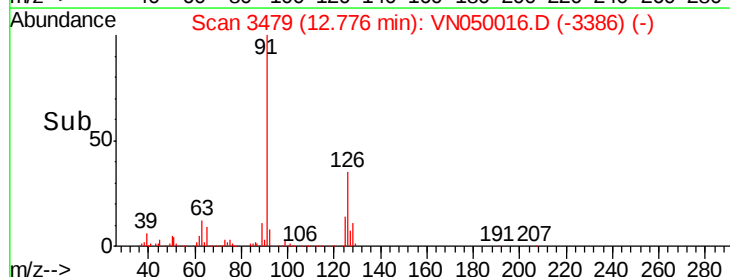
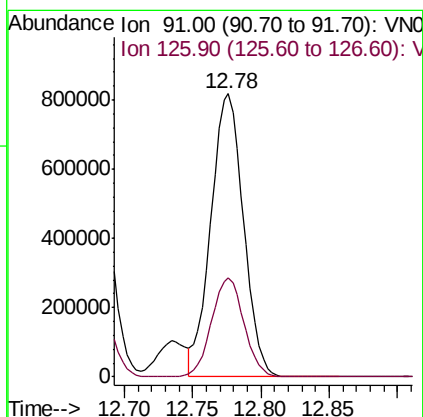
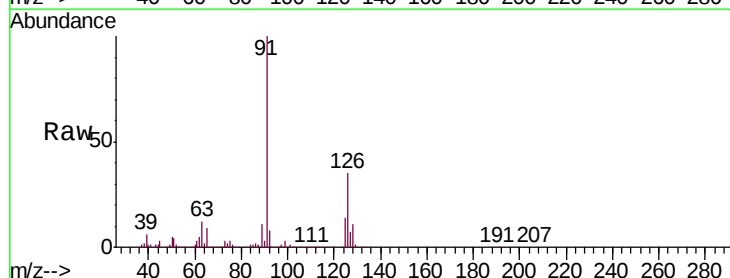
Acq: 23 Jul 2018 20:02

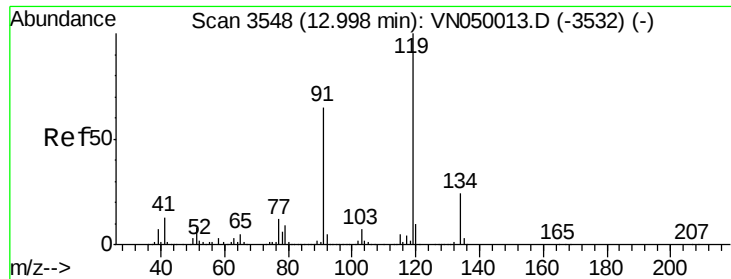
Tgt Ion: 91 Resp: 1353002

Ion Ratio Lower Upper

91 100

126 34.7 17.0 51.0





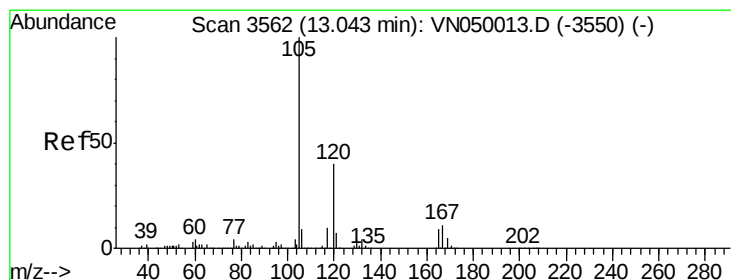
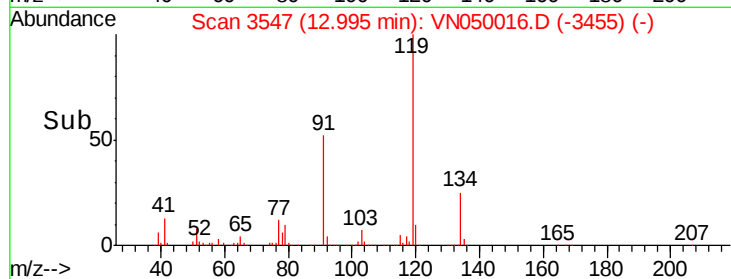
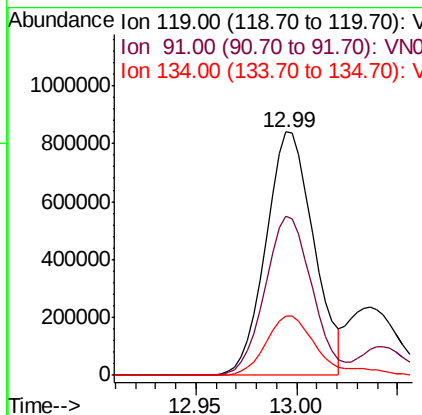
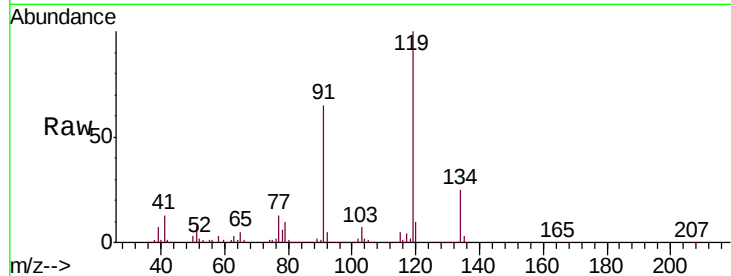
#83
 tert-Butylbenzene
 Concen: 53.56 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072418

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.1	96.3
134	26.4	13.2	39.5

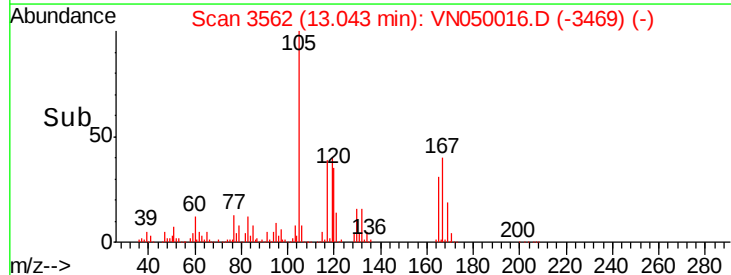
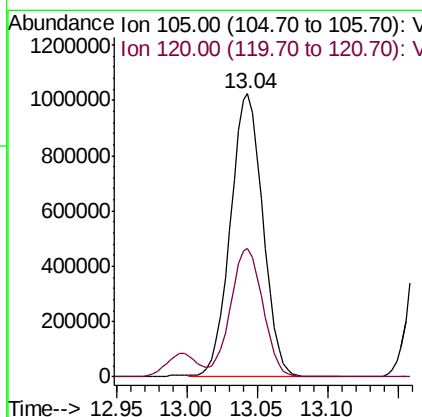
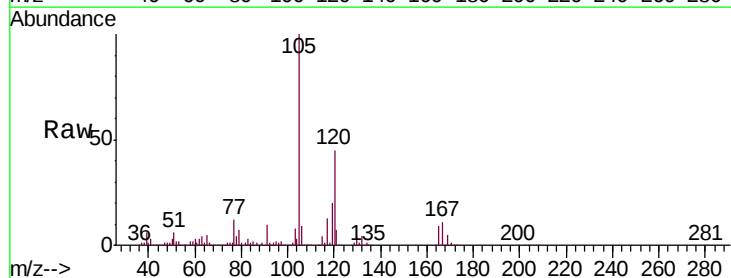
Manual Integrations
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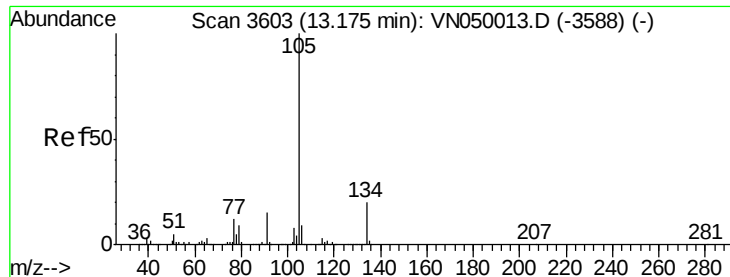
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.12 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.7





#85

sec-Butylbenzene

Concen: 54.05 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

ClientSampled :

ICVVN072418

Tot Ion:105 Resp: 1865199

Ion Ratio Lower Upper

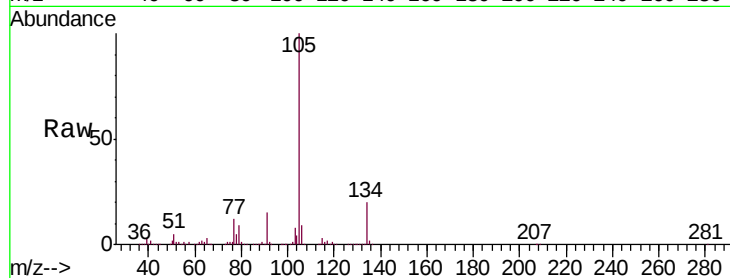
105 100

134 20.1 10.1 30.1

Manual Integrations
APPROVED

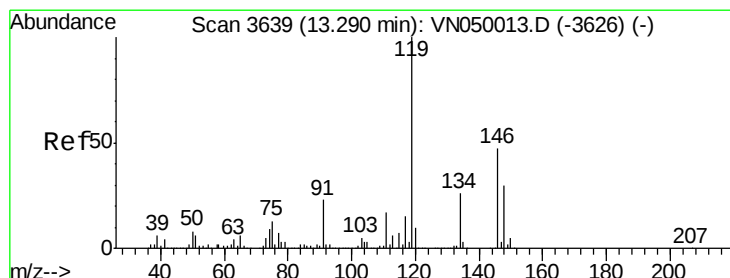
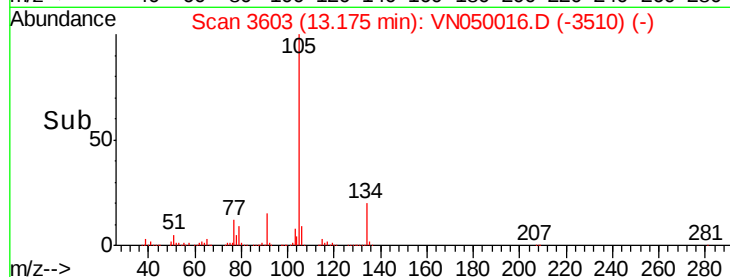
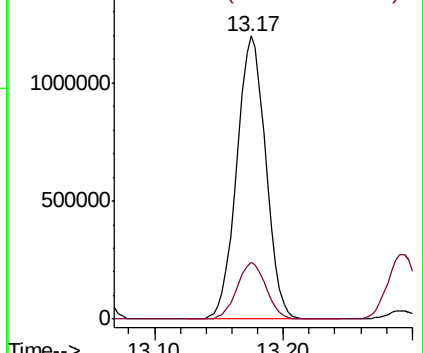
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.45 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

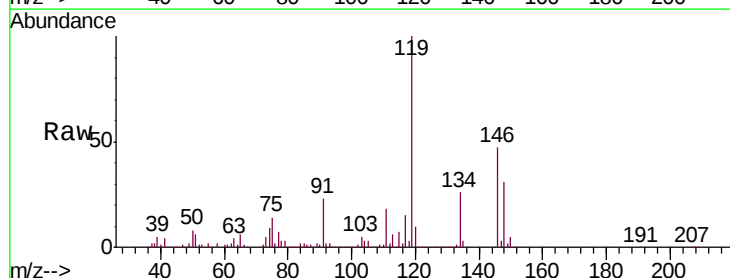
Tgt Ion:119 Resp: 1612494

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

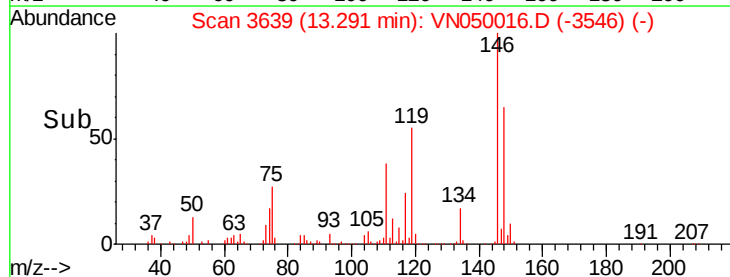
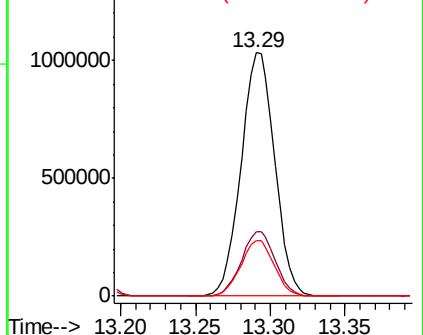
91 22.8 11.4 34.2

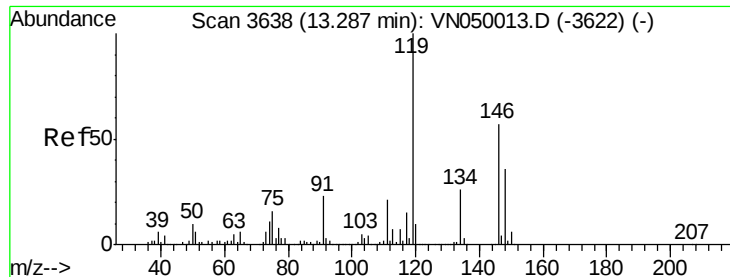


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





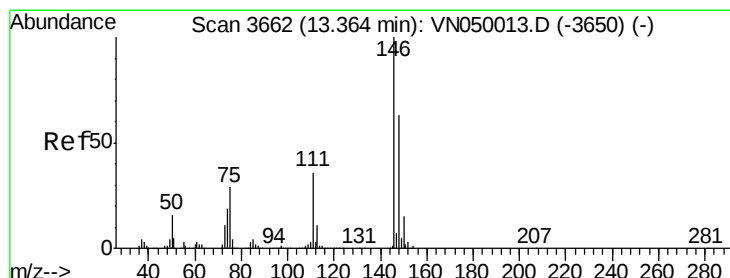
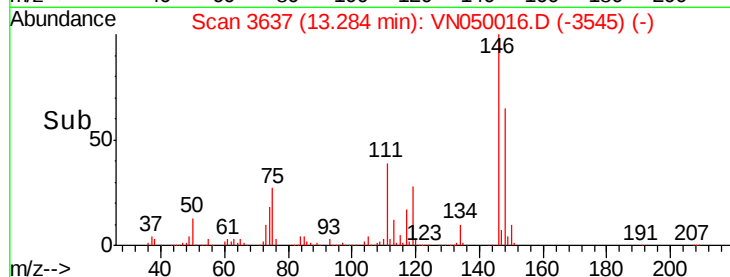
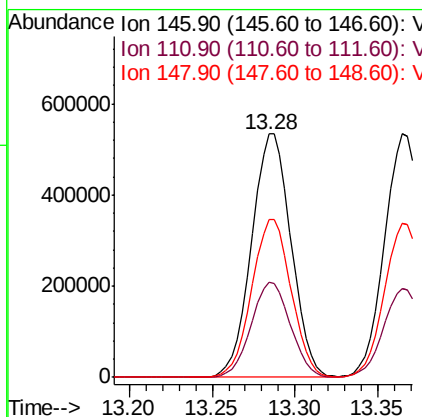
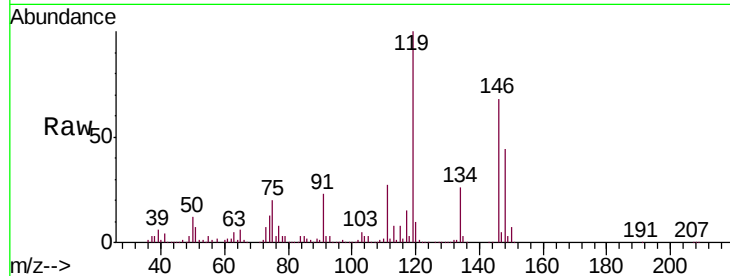
#87
 1,3-Dichlorobenzene
 Concen: 50.00 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072418

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.8	56.4
148	64.7	31.9	95.9

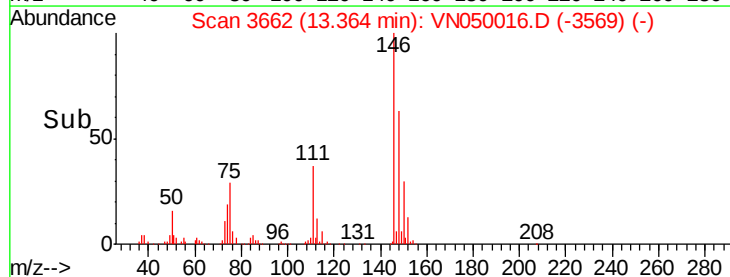
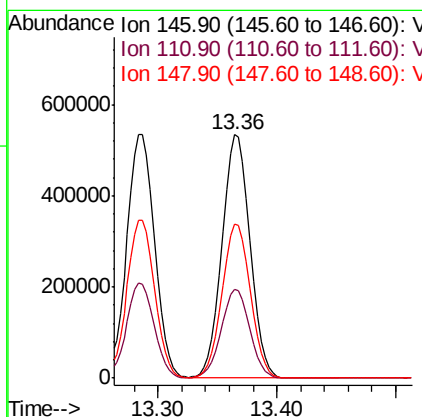
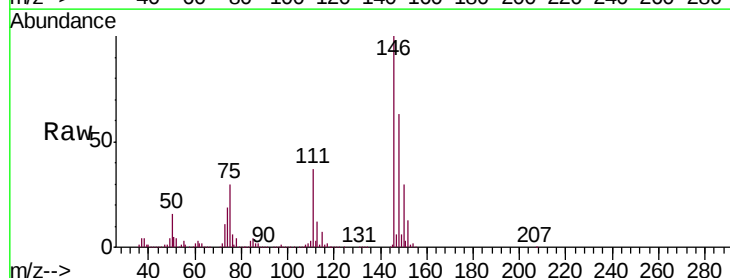
Manual Integrations
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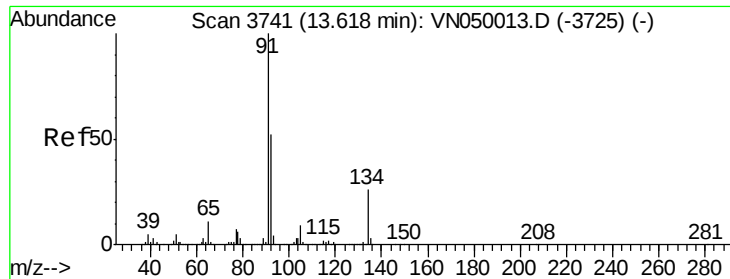
MMDadoda
 7/26/2018 1:51:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.55 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.3	54.9
148	64.2	31.9	95.9





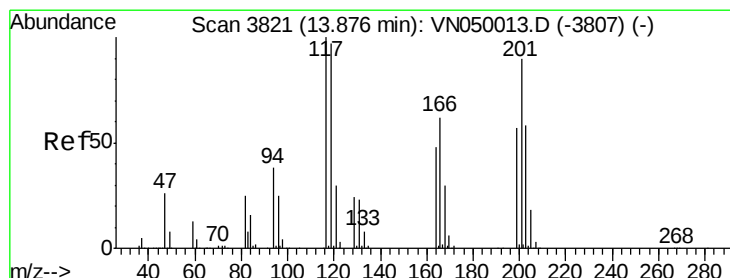
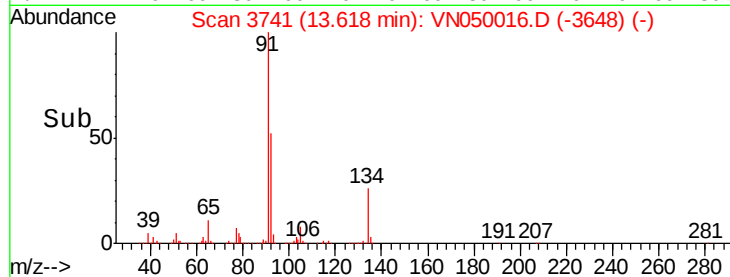
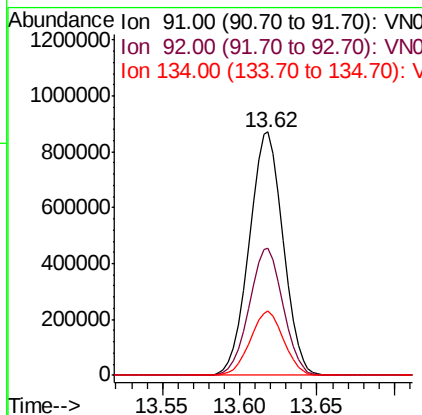
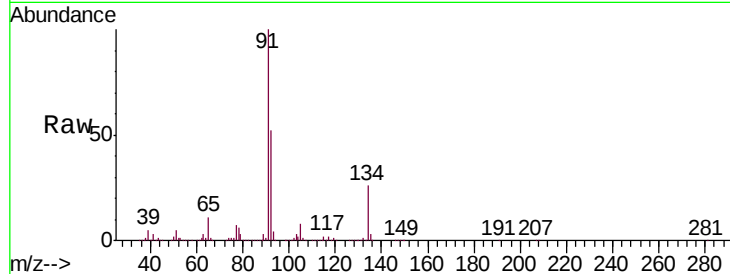
#89
n-Butylbenzene
Concen: 55.69 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072418

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.8	77.4
134	26.1	12.8	38.4

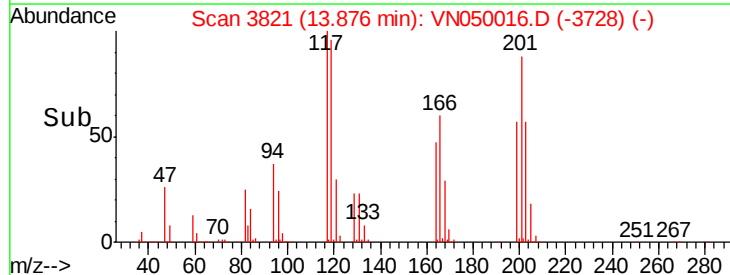
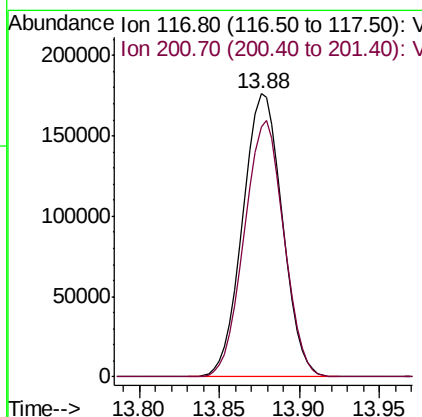
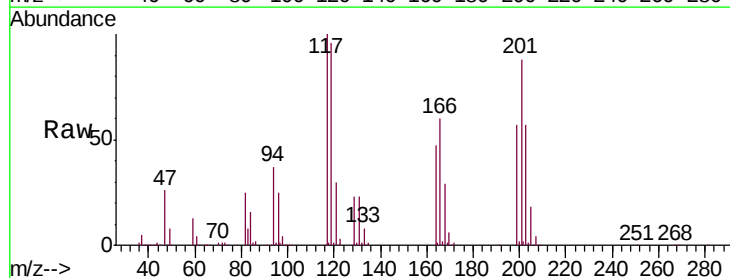
Manual Integrations
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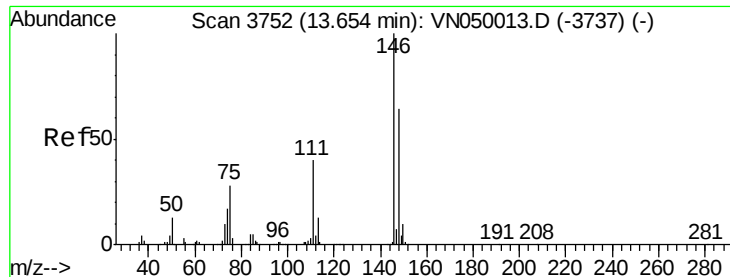
MMDadoda
7/26/2018 1:51:06 PM



#90
Hexachloroethane
Concen: 46.09 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050016.D
Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	45.6	136.8





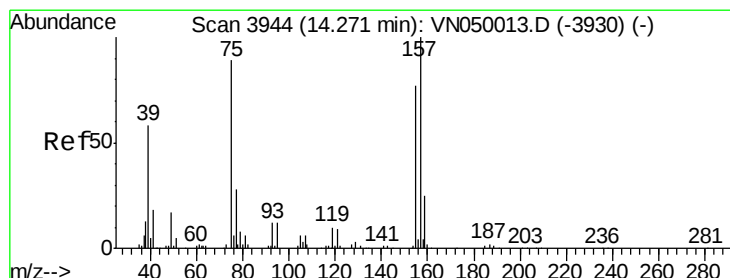
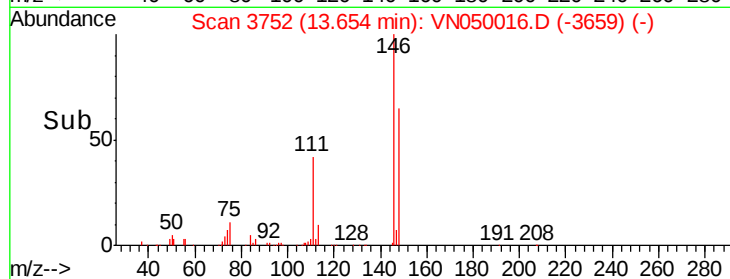
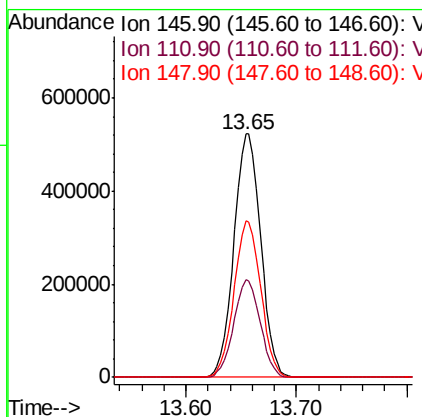
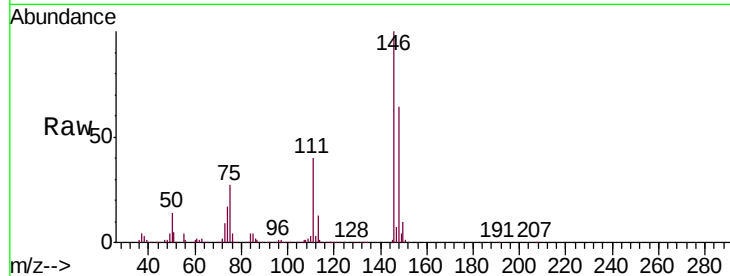
#91
 1,2-Dichlorobenzene
 Concen: 49.77 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072418

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.7
148	64.0	32.1	96.3

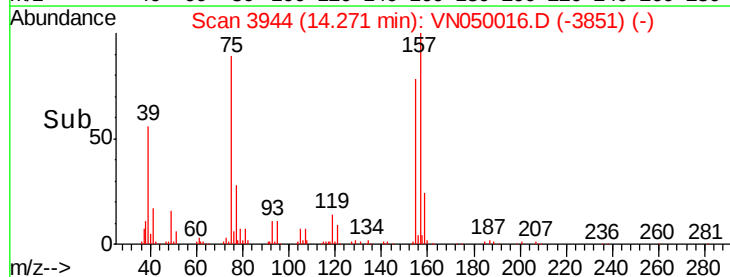
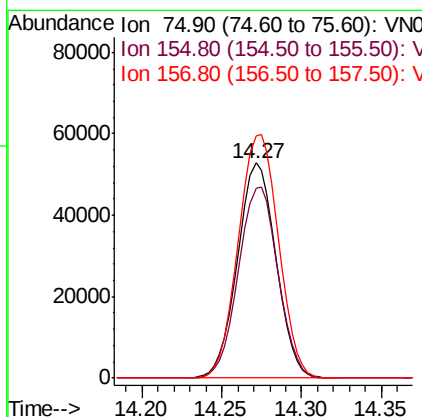
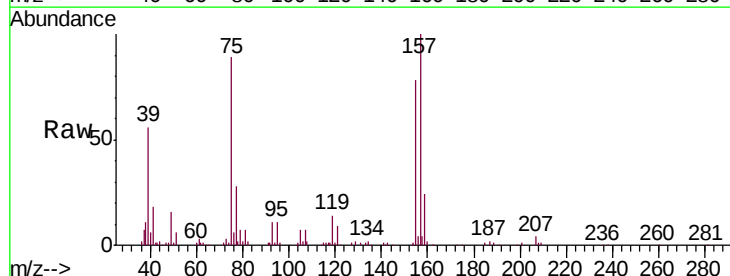
Manual Integrations
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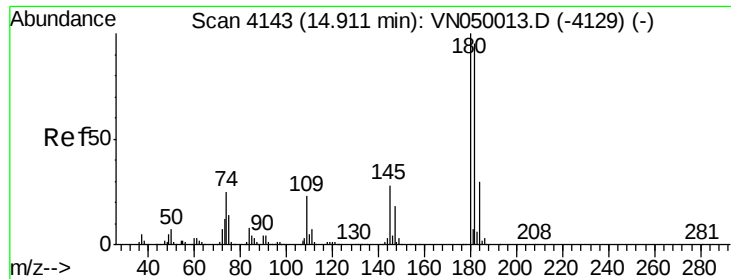
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 7/26/2018 1:51:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.67 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.2	44.8	134.4
157	118.2	57.2	171.6





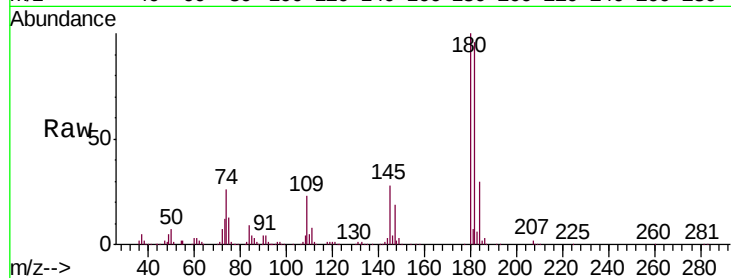
#93
 1,2,4-Trichlorobenzene
 Concen: 50.32 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072418

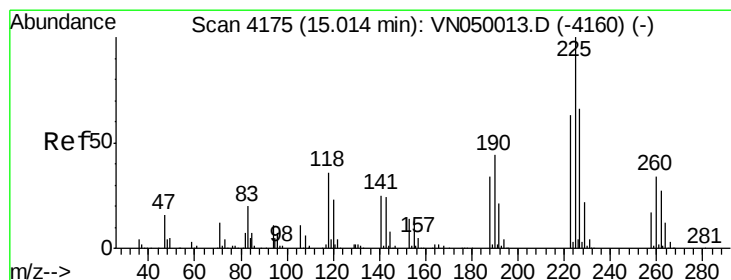
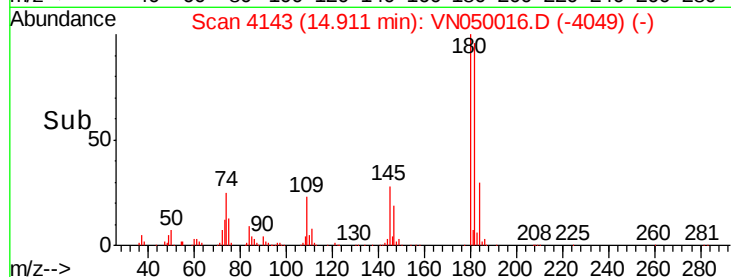
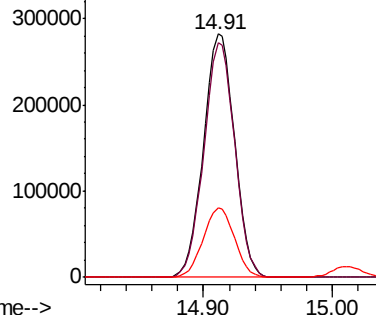
Tot Ion	Ratio	Resp	Lower	Upper
180	100	471815		
182	95.4	46.7	140.1	
145	28.7	13.8	41.4	

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 1:51:06 PM

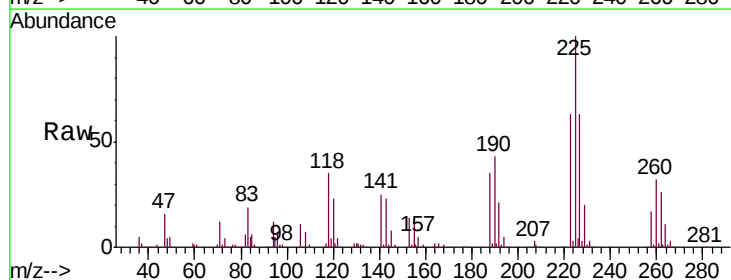


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

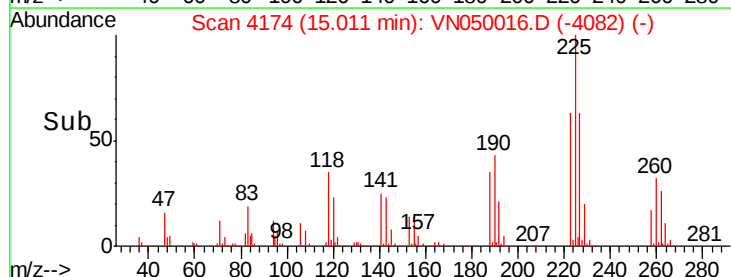
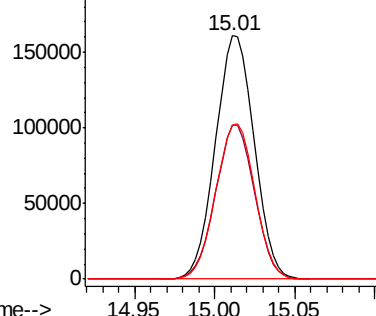


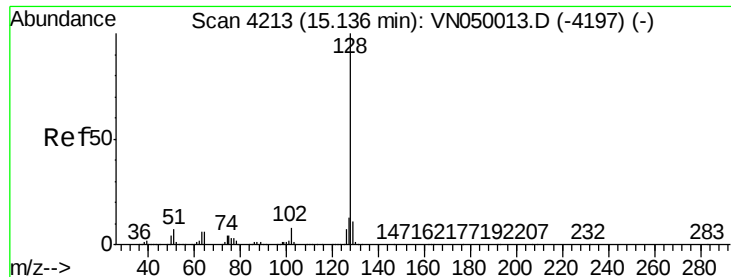
#94
 Hexachlorobutadiene
 Concen: 49.50 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050016.D
 Acq: 23 Jul 2018 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	267766		
223	63.4	31.4	94.2	
227	64.4	32.1	96.5	



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: 50.60 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Instrument :

MSVOA_N

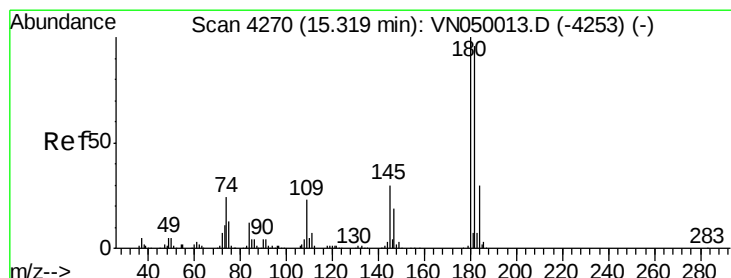
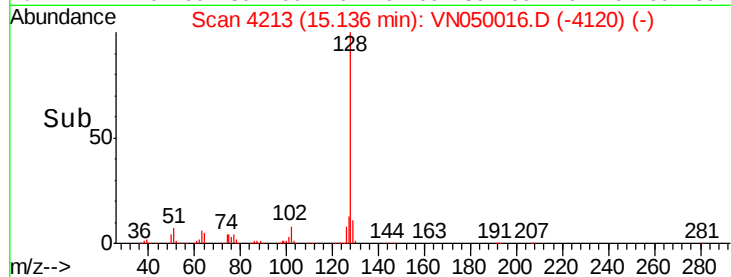
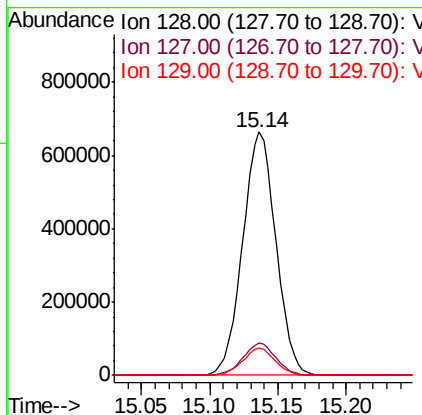
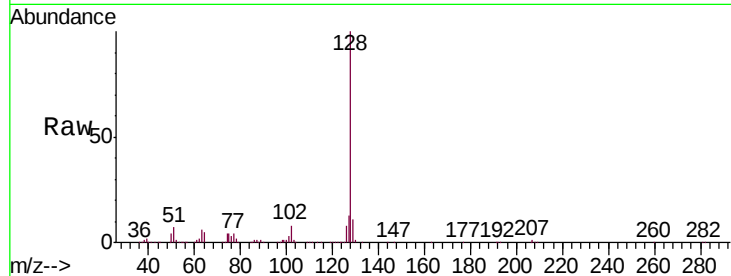
ClientSampled :

ICVVN072418

Tot Ion:	128	Resp:	1122327
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/26/2018 1:51:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.99 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050016.D

Acq: 23 Jul 2018 20:02

Tgt Ion:	180	Resp:	475360
Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.1	144.4
145	30.0	15.3	45.9

