

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091719\
 Data File : VN058140.D
 Acq On : 17 Sep 2019 11:43
 Operator : JC/SP
 Sample : VN0917WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 4:41:31 PM

Quant Time: Sep 18 03:28:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	313414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	506043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	286219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	333689	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
35) Dibromofluoromethane	7.57	113	240033	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.08	98	950310	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.40	95	344982	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	87837	20.265	ug/l	98
3) Chloromethane	2.04	50	74289	16.816	ug/l	97
4) Vinyl Chloride	2.17	62	78058	16.695	ug/l	99
5) Bromomethane	2.55	94	25713	8.753	ug/l	92
6) Chloroethane	2.69	64	50772	17.042	ug/l	92
7) Trichlorofluoromethane	3.00	101	111445	18.941	ug/l	100
8) Diethyl Ether	3.39	74	50634	20.633	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78537	21.159	ug/l	98
10) Methyl Iodide	3.93	142	40158	9.722	ug/l	99
11) Tert butyl alcohol	4.75	59	79720	103.761	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	66450	19.911	ug/l	99
13) Acrolein	3.59	56	34450	52.852	ug/l	99
14) Allyl chloride	4.30	41	128432	19.665	ug/l	98
15) Acrylonitrile	4.96	53	230904	109.342	ug/l	100
16) Acetone	3.79	43	208914	100.392	ug/l	98
17) Carbon Disulfide	4.03	76	89445	17.324	ug/l	99
18) Methyl Acetate	4.30	43	133262	24.018	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	306917	22.098	ug/l	98
20) Methylene Chloride	4.53	84	89970	22.022	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	70917	19.657	ug/l	97
22) Diisopropyl ether	5.93	45	337416	22.030	ug/l	99
23) Vinyl Acetate	5.87	43	1195835	110.169	ug/l	99
24) 1,1-Dichloroethane	5.82	63	179606	21.457	ug/l	99
25) 2-Butanone	6.82	43	316709	105.152	ug/l	98
26) 2,2-Dichloropropane	6.80	77	136891	20.665	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	102167	21.132	ug/l	99
28) Bromochloromethane	7.18	49	87517	20.928	ug/l	98
29) Tetrahydrofuran	7.19	42	198577	106.995	ug/l	98
30) Chloroform	7.36	83	189977	21.706	ug/l	98
31) Cyclohexane	7.64	56	119423	19.575	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	149402	21.523	ug/l	99
36) 1,1-Dichloropropene	7.78	75	110276	18.790	ug/l	98
37) Ethyl Acetate	6.91	43	126439	20.852	ug/l	99
38) Carbon Tetrachloride	7.76	117	116437	21.731	ug/l	96

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	114667	18.586	ug/l	97
40) Benzene	8.03	78	366207	20.726	ug/l	97
41) Methacrylonitrile	7.16	41	61172	22.225	ug/l	96
42) 1,2-Dichloroethane	8.11	62	154191	21.820	ug/l	100
43) Isopropyl Acetate	8.15	43	246351	24.159	ug/l	96
44) Trichloroethene	8.82	130	89216	20.587	ug/l	100
45) 1,2-Dichloropropane	9.11	63	112597	21.900	ug/l	100
46) Dibromomethane	9.20	93	67143	21.611	ug/l	98
47) Bromodichloromethane	9.40	83	140818	22.698	ug/l	98
48) Methyl methacrylate	9.19	41	106083	20.509	ug/l	99
49) 1,4-Dioxane	9.19	88	36254	414.465	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	698110	115.692	ug/l	99
52) Toluene	10.15	92	230002	20.668	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	139756	21.392	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	153635	21.300	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	105414	22.362	ug/l	98
56) Ethyl methacrylate	10.43	69	151004	21.272	ug/l	99
57) 1,3-Dichloropropane	10.71	76	177423	21.840	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	331258	99.078	ug/l	100
59) 2-Hexanone	10.75	43	492977	108.997	ug/l	99
60) Dibromochloromethane	10.90	129	97502	22.274	ug/l	98
61) 1,2-Dibromoethane	11.00	107	96415	21.635	ug/l	100
64) Tetrachloroethene	10.63	164	71851	20.357	ug/l	97
65) Chlorobenzene	11.43	112	268630	21.473	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	98669	22.730	ug/l	99
67) Ethyl Benzene	11.51	91	468525	21.370	ug/l	98
68) m/p-Xylenes	11.62	106	335963	41.833	ug/l	96
69) o-Xylene	11.95	106	172018	21.545	ug/l	98
70) Styrene	11.97	104	294685	21.447	ug/l	98
71) Bromoform	12.13	173	57847	21.374	ug/l	97
73) Isopropylbenzene	12.25	105	477887	21.517	ug/l	99
74) N-amyl acetate	12.07	43	195726	20.250	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	160973	21.526	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	140623m	21.719	ug/l	
77) Bromobenzene	12.53	156	115893	20.929	ug/l	95
78) n-propylbenzene	12.59	91	554126	21.727	ug/l	99
79) 2-Chlorotoluene	12.68	91	334449	20.749	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	407432	21.711	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35713	19.410	ug/l	92
82) 4-Chlorotoluene	12.78	91	343347	20.742	ug/l	99
83) tert-Butylbenzene	13.00	119	350412	21.007	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	410514	21.524	ug/l	100
85) sec-Butylbenzene	13.18	105	477725	21.607	ug/l	100
86) p-Isopropyltoluene	13.29	119	423320	21.730	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	216319	21.283	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	210121	20.367	ug/l	98
89) n-Butylbenzene	13.62	91	387744	21.077	ug/l	99
90) Hexachloroethane	13.88	117	59779	20.633	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	215814	21.254	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	27032	21.889	ug/l	98

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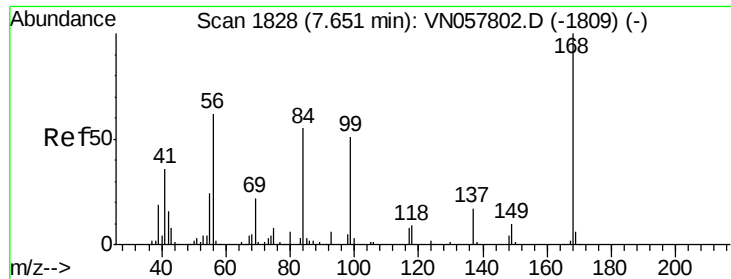
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	132551	19.972	ug/l	99
94) Hexachlorobutadiene	15.02	225	62443	22.195	ug/l	98
95) Naphthalene	15.13	128	356751	20.360	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	123230	21.842	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

ClientSampled :

VN0917WBS01

Tot Ion:168 Resp: 313414

Ion Ratio Lower Upper

168 100

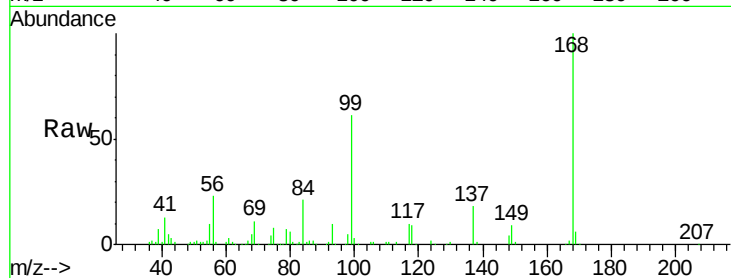
99 60.2 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

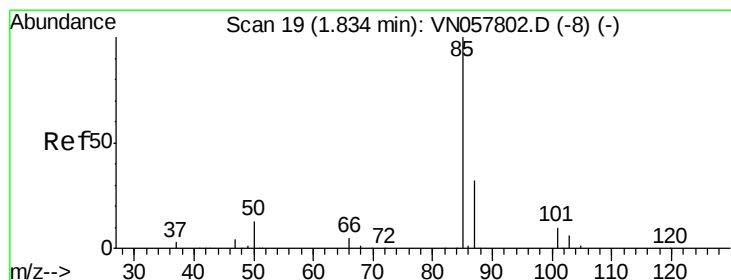
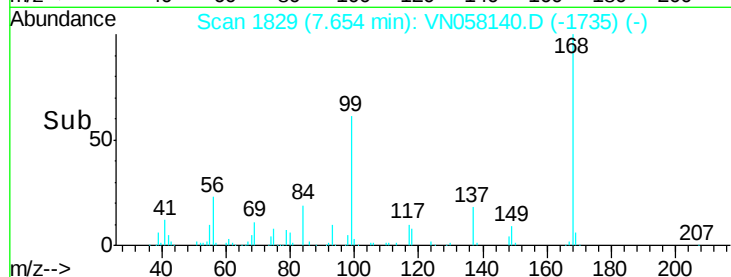
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.265 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058140.D

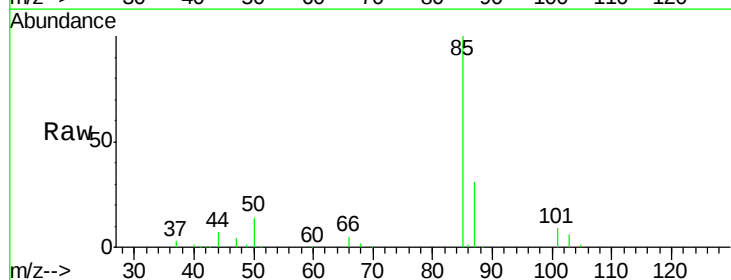
Acq: 17 Sep 2019 11:43

Tgt Ion: 85 Resp: 87837

Ion Ratio Lower Upper

85 100

87 30.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

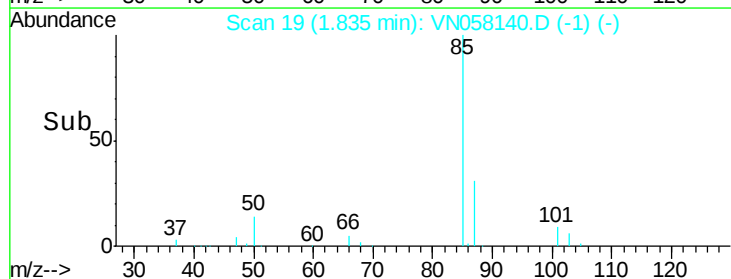
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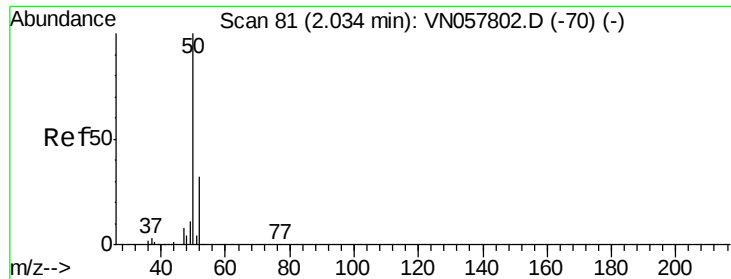
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.816 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 50 Resp: 74289

Ion Ratio Lower Upper

50 100

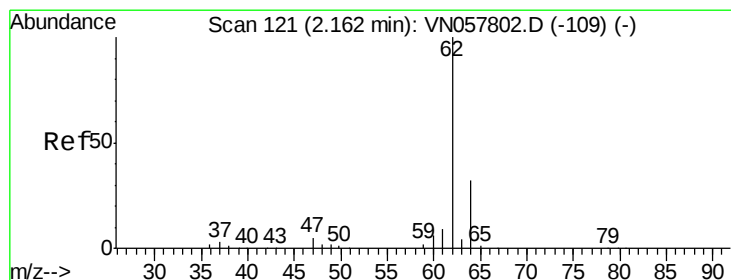
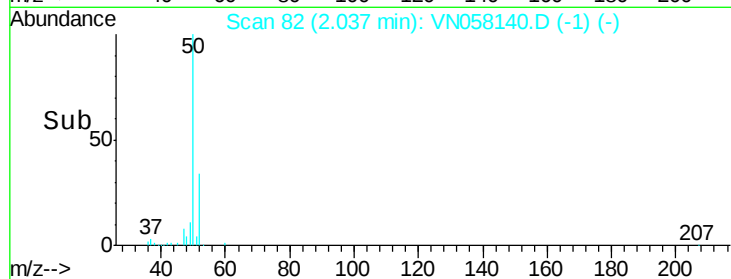
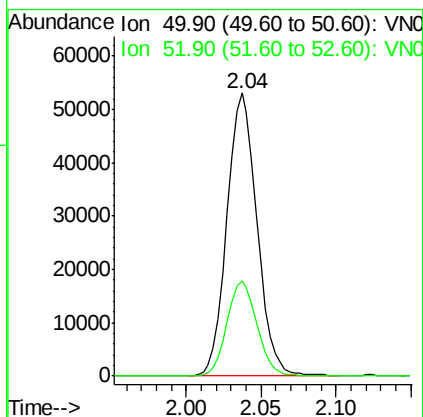
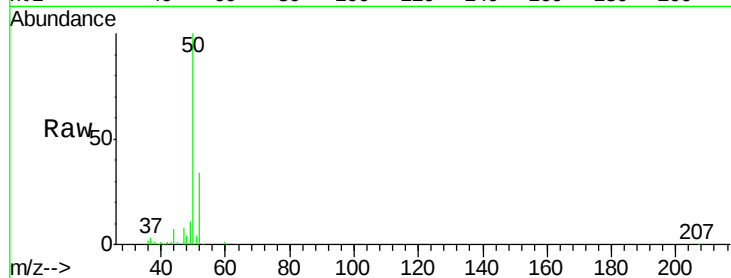
52 33.7 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.695 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058140.D

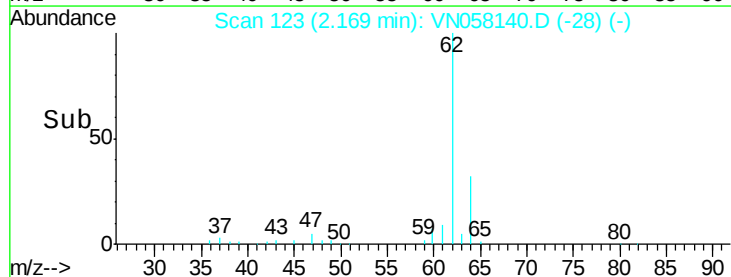
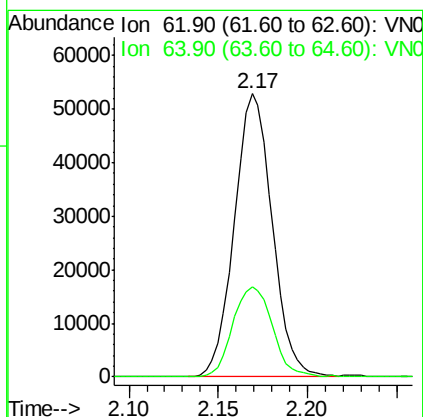
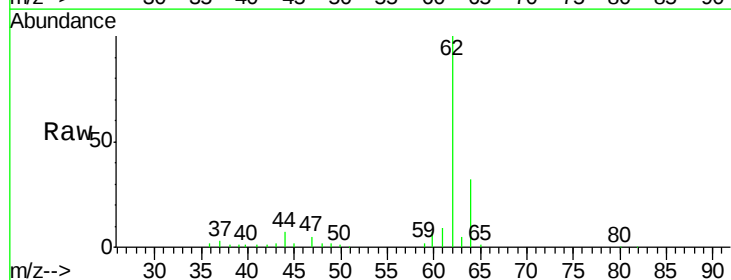
Acq: 17 Sep 2019 11:43

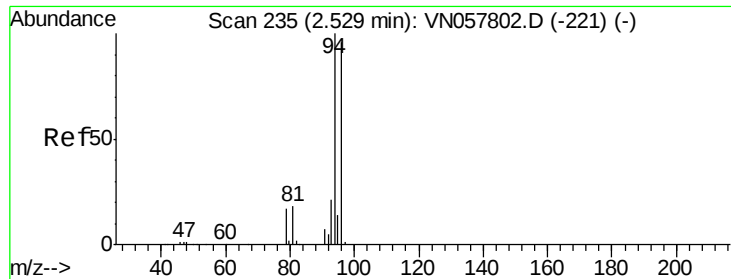
Tgt Ion: 62 Resp: 78058

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 8.753 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 94 Resp: 25713

Ion Ratio Lower Upper

94 100

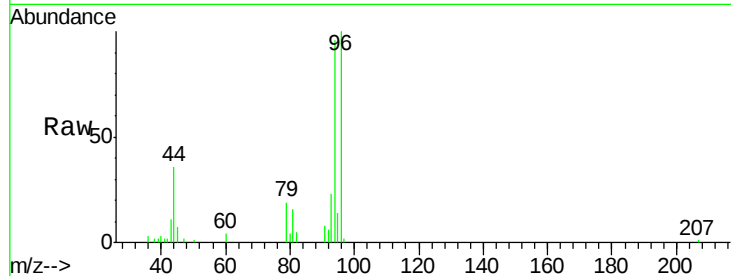
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Manual Integrations

APPROVED

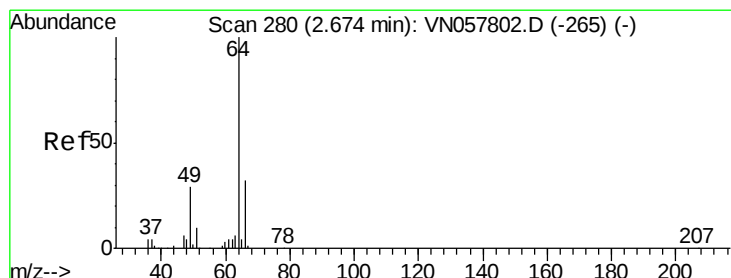
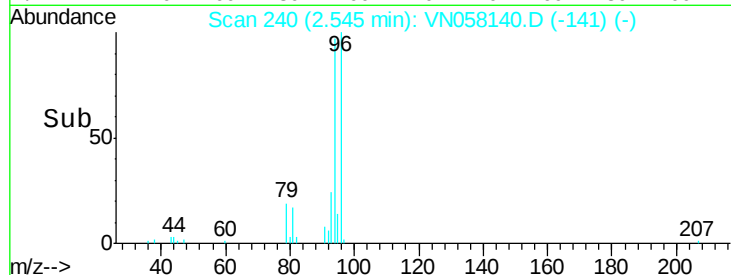
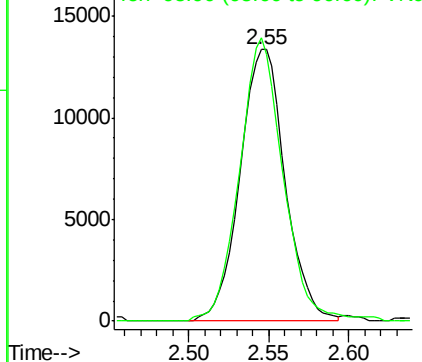
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.042 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058140.D

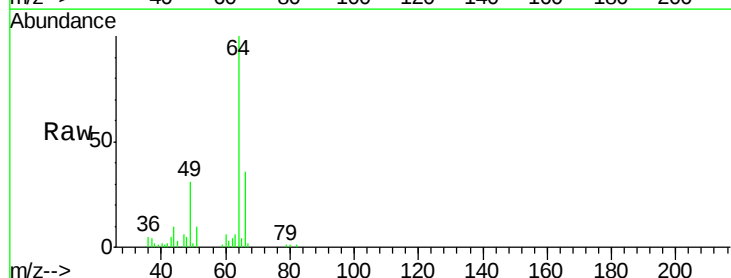
Acq: 17 Sep 2019 11:43

Tgt Ion: 64 Resp: 50772

Ion Ratio Lower Upper

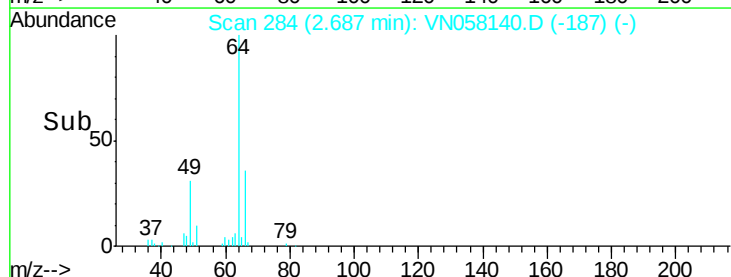
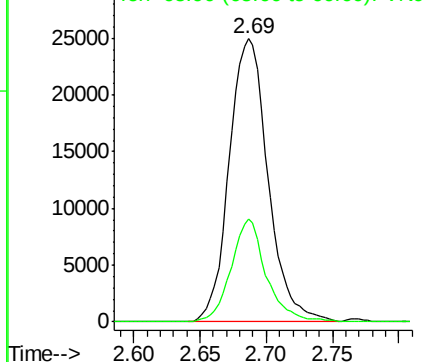
64 100

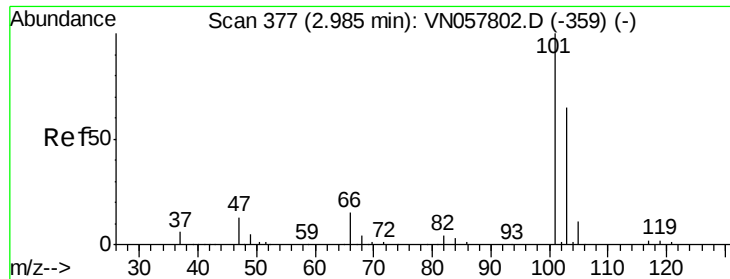
66 36.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

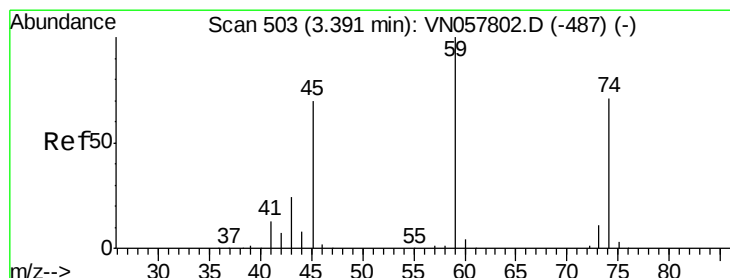
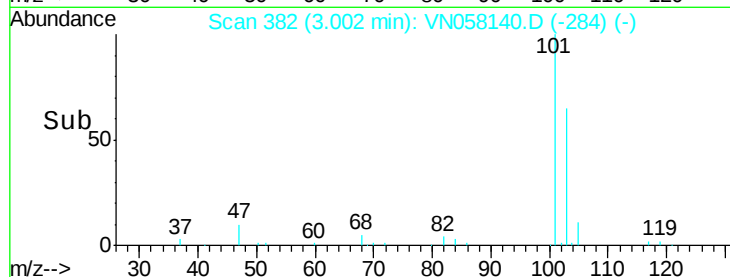
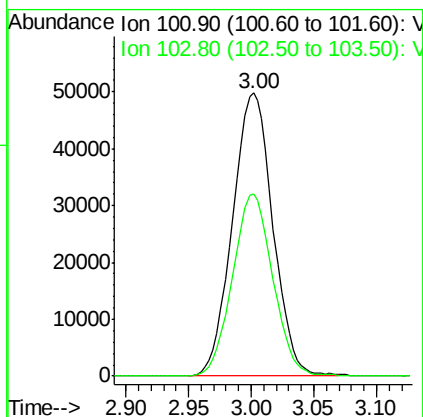
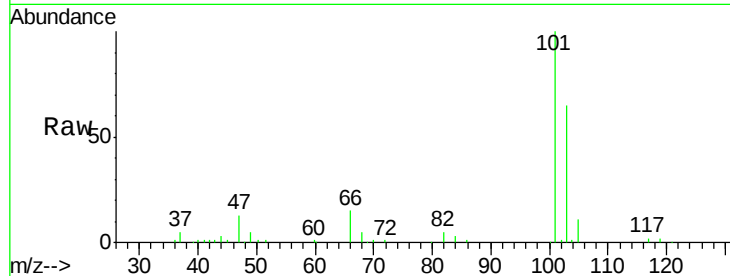
Trichlorofluoromethane
Concen: 18.941 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.02 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

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VN0917WBS01

Tot Ion:101 Resp: 111445
Ion Ratio Lower Upper
101 100
103 64.6 51.9 77.9

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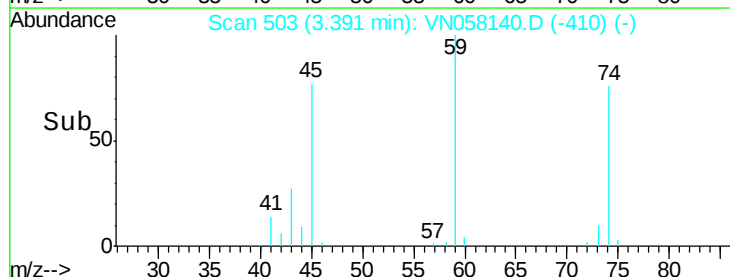
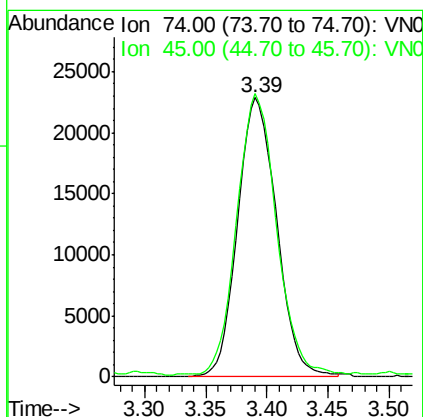
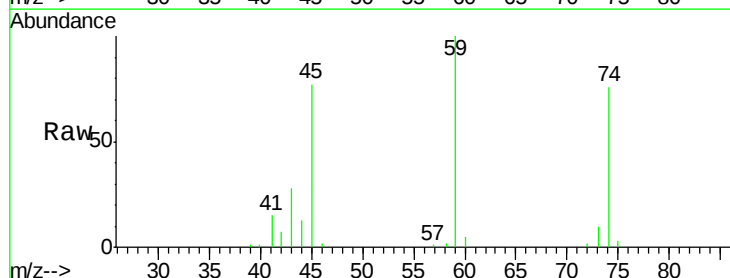
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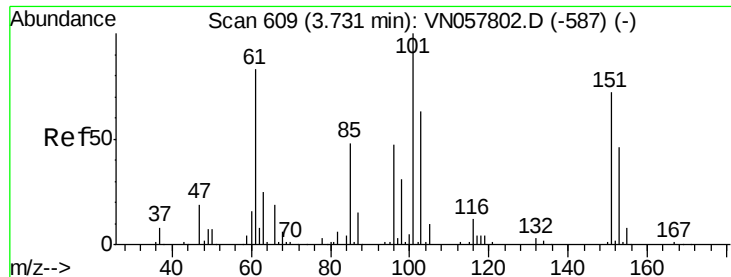


#8

Diethyl Ether
Concen: 20.633 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion: 74 Resp: 50634
Ion Ratio Lower Upper
74 100
45 101.3 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.159 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

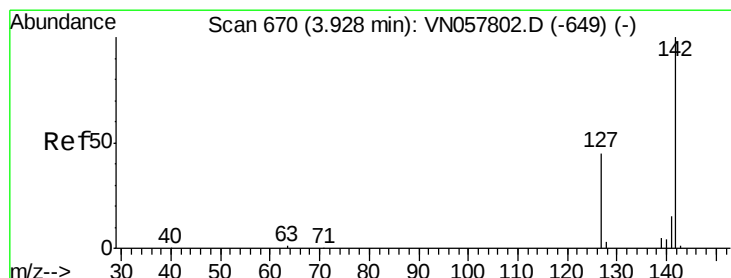
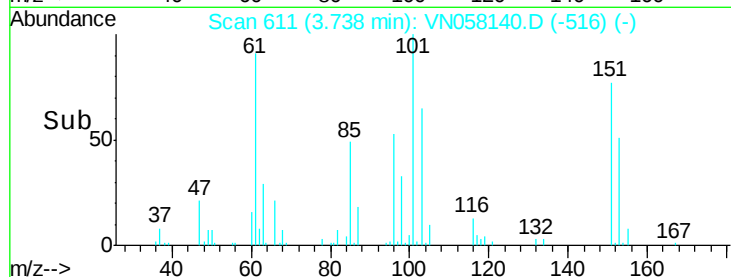
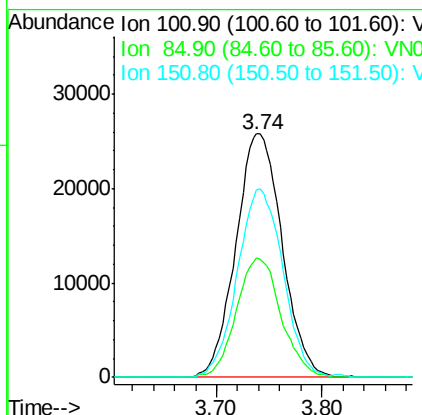
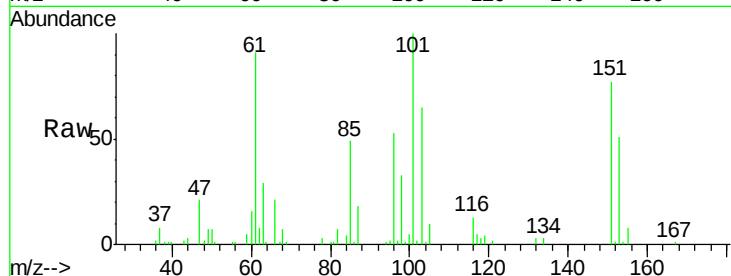
ClientSampleId :

VN0917WBS01

Tot Ion:	101	Resp:	78537
Ion Ratio	Lower	Upper	
101	100		
85	47.3	38.1	57.1
151	76.2	58.4	87.6

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#10

Methyl Iodide

Concen: 9.722 ug/l

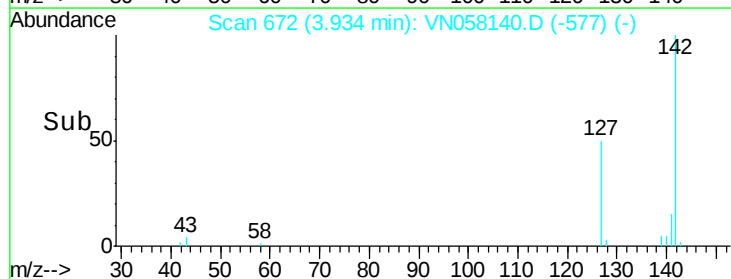
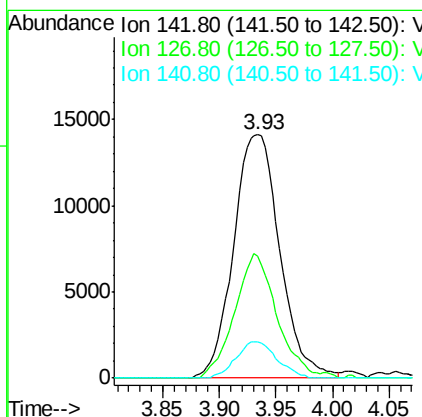
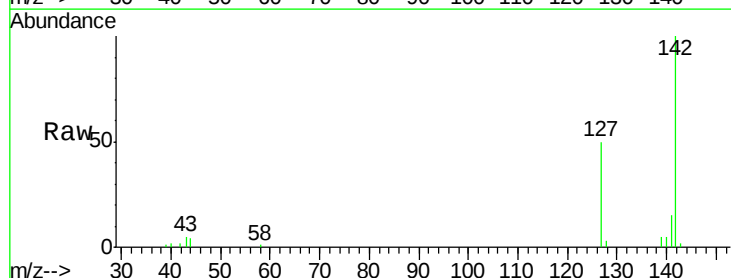
RT: 3.93 min Scan# 672

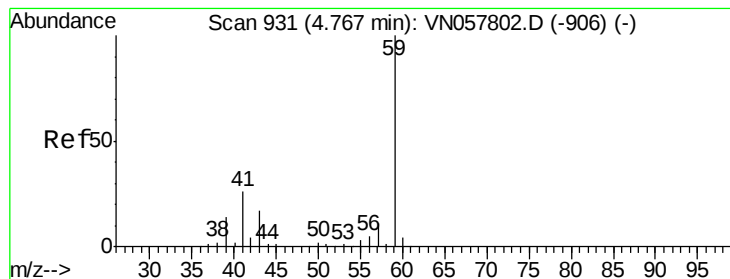
Delta R.T. 0.01 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Tgt Ion:	142	Resp:	40158
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.7	55.1
141	13.1	11.4	17.0





#11

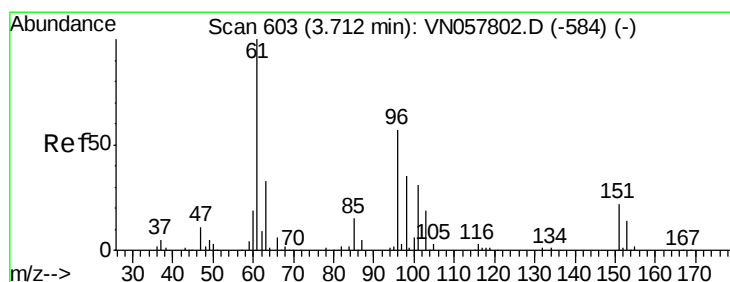
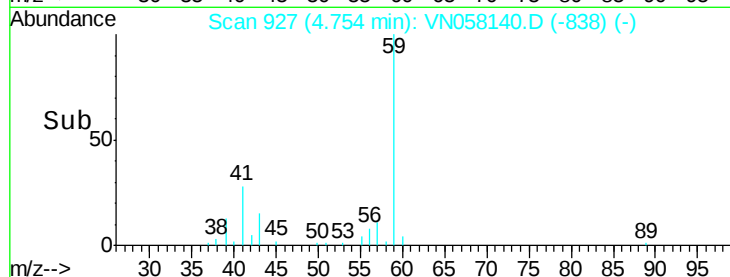
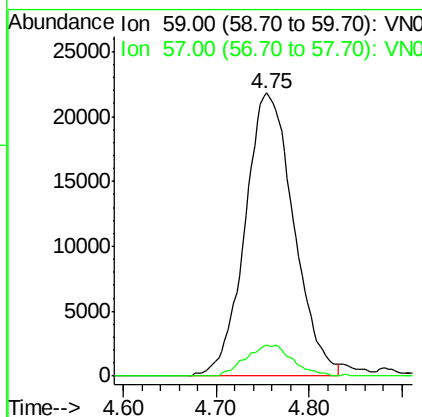
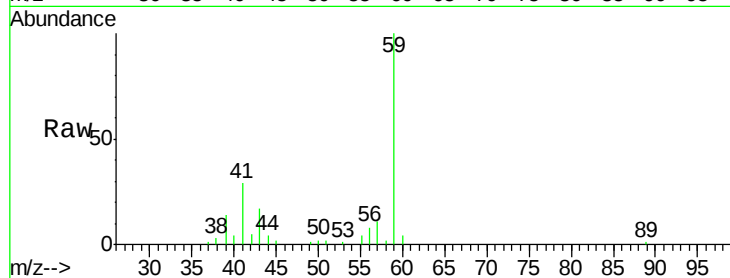
Tert butyl alcohol
 Concen: 103.761 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	79720		
57	5.5		8.4	12.6#

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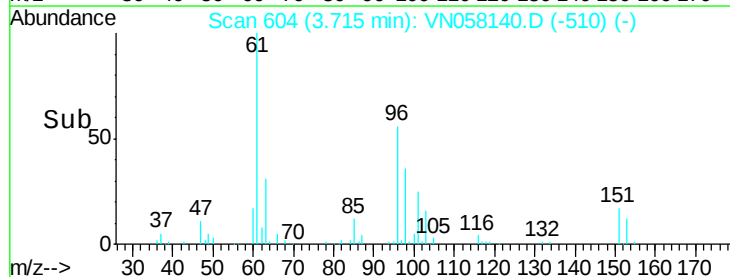
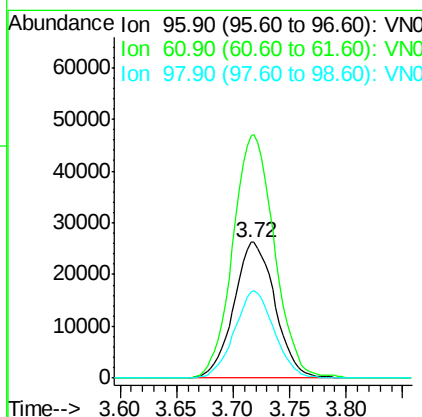
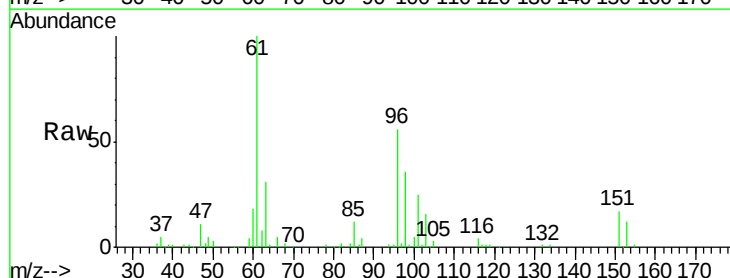
MMDadoda
 9/18/2019 4:41:31 PM

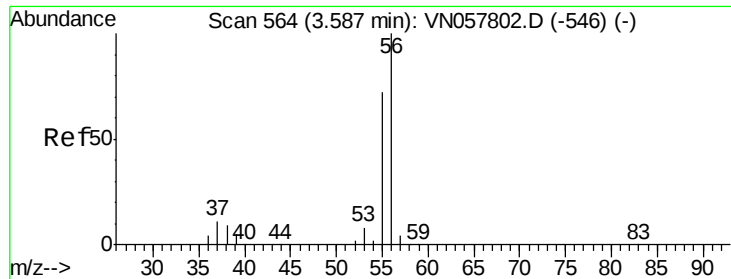


#12

1,1-Dichloroethene
 Concen: 19.911 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	66450		
61	178.1		141.2	211.8
98	63.3		49.9	74.9





#13

Acrolein

Concen: 52.852 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 56 Resp: 34450

Ion Ratio Lower Upper

56 100

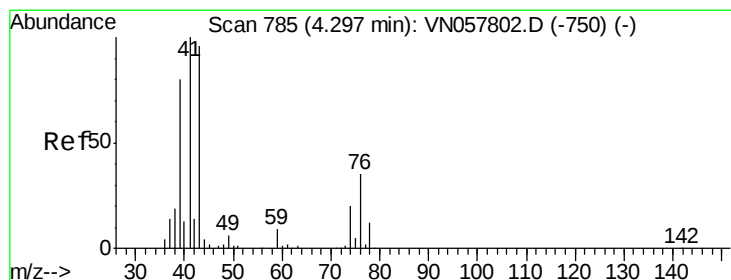
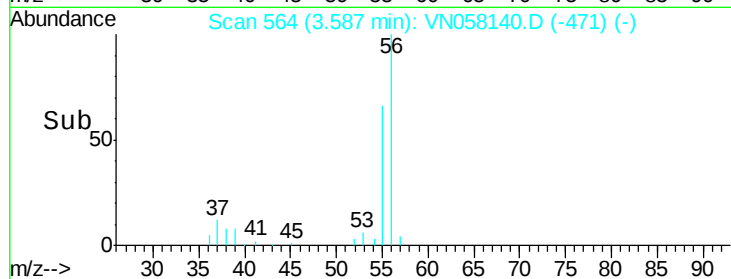
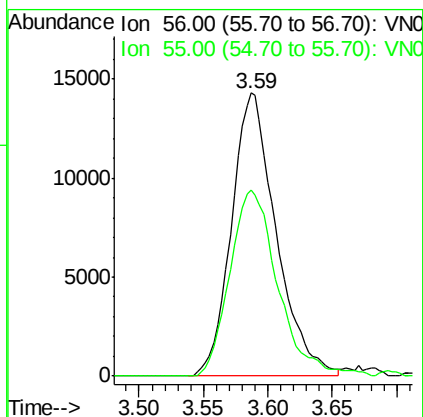
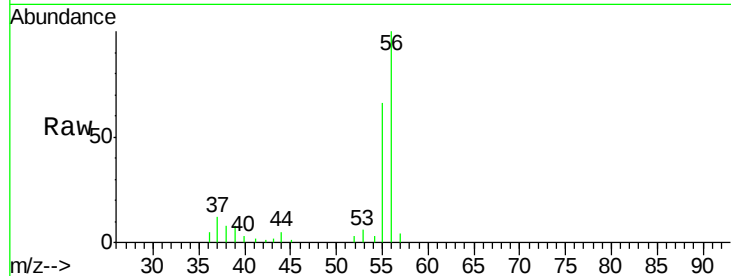
55 70.5 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 19.665 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

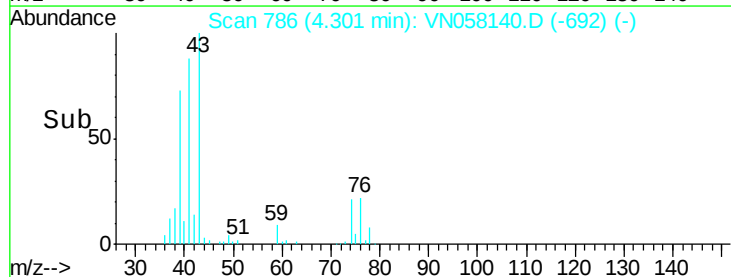
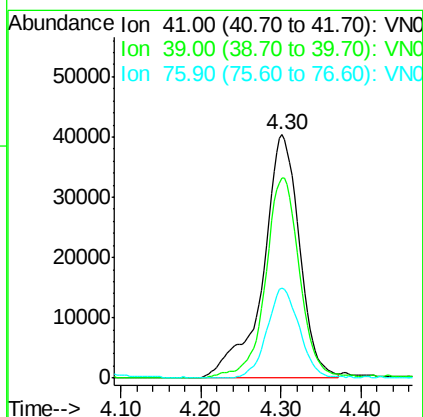
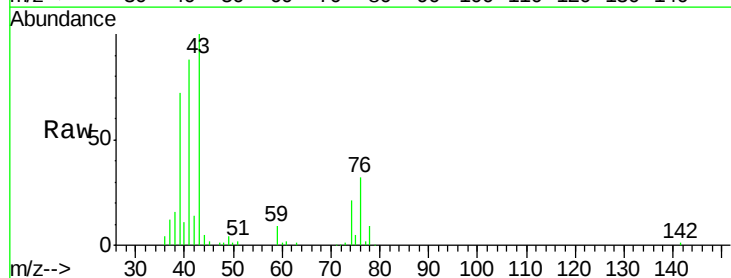
Tgt Ion: 41 Resp: 128432

Ion Ratio Lower Upper

41 100

39 76.4 59.4 89.2

76 32.4 26.0 39.0





#15

Acrylonitrile

Concen: 109.342 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

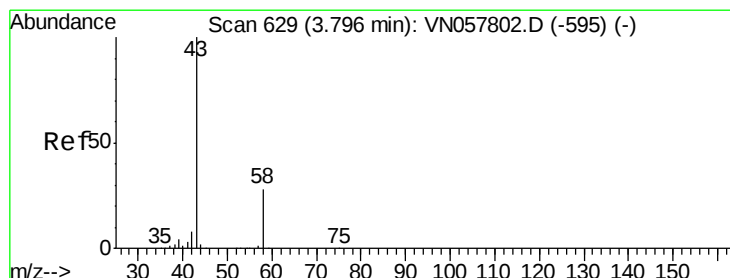
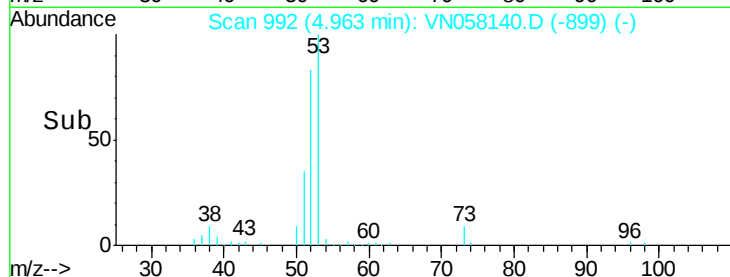
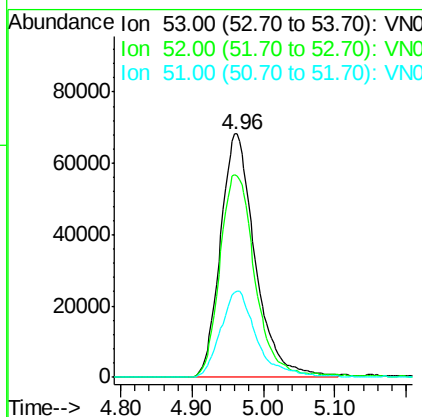
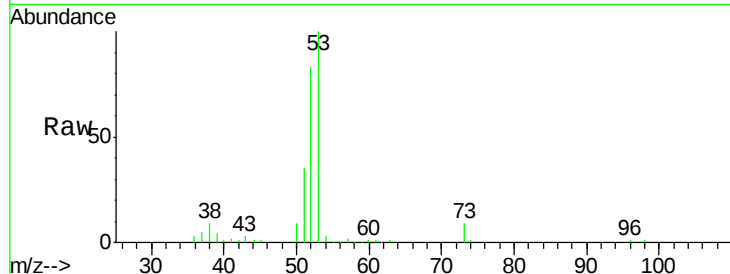
ClientSampleId :

VN0917WBS01

Tot Ion:	53	Resp:	230904
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.6	100.0
51	36.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 100.392 ug/l

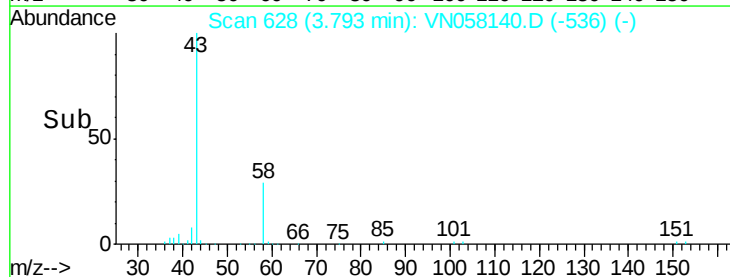
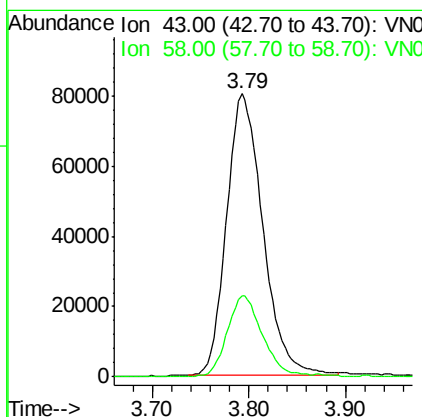
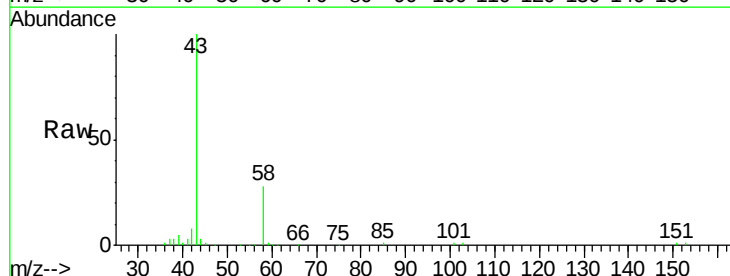
RT: 3.79 min Scan# 628

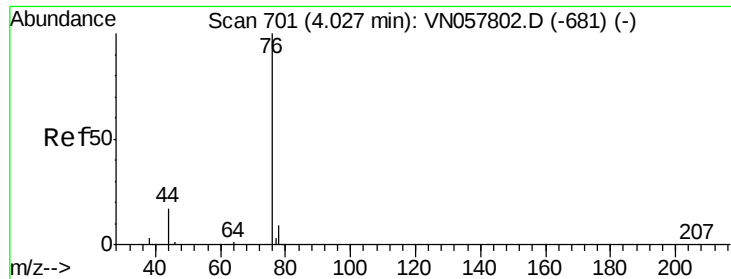
Delta R.T. -0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Tgt Ion:	43	Resp:	208914
Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.2	33.2





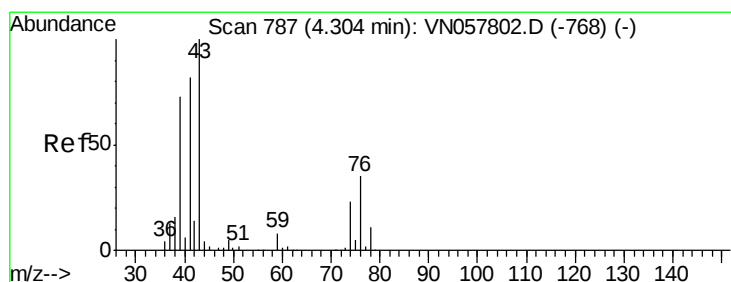
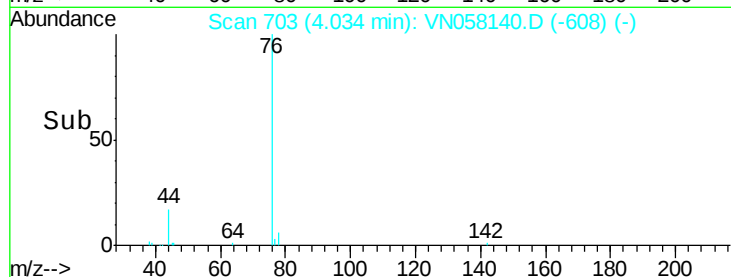
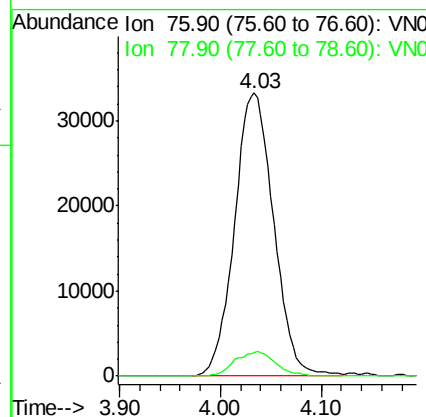
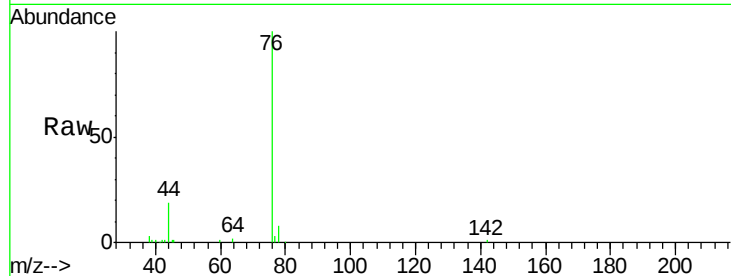
#17
Carbon Disulfide
Concen: 17.324 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7

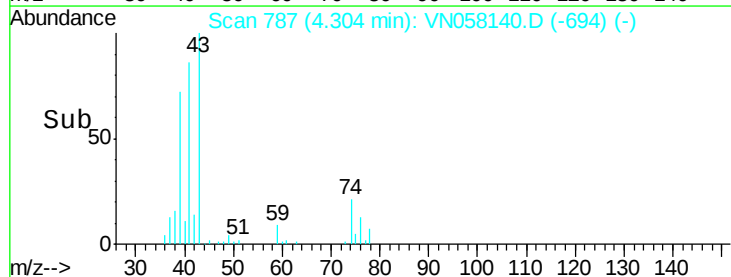
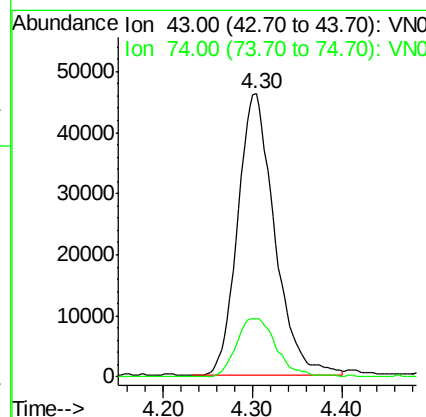
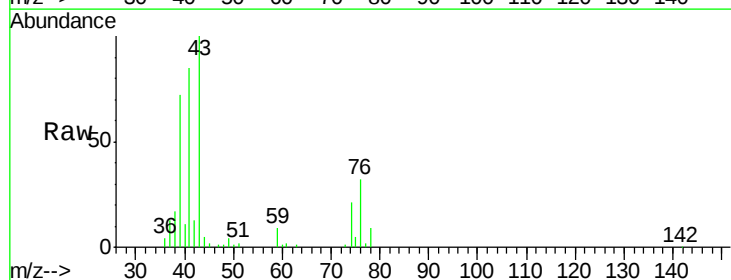
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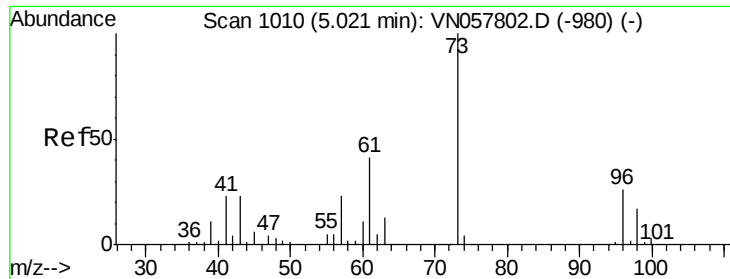
MMDadoda
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#18
Methyl Acetate
Concen: 24.018 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.9	26.9





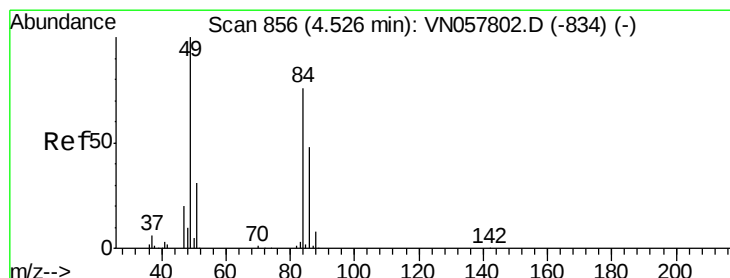
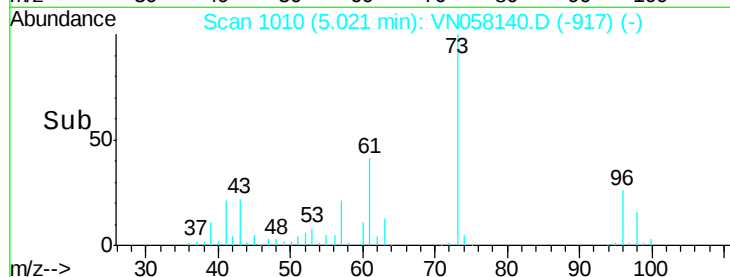
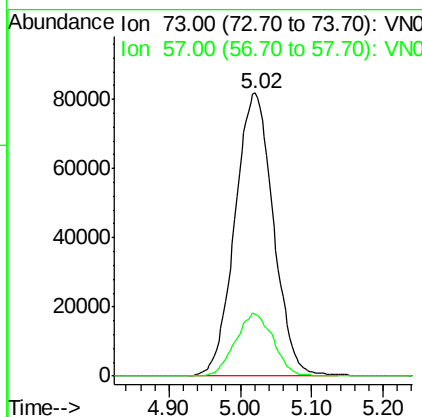
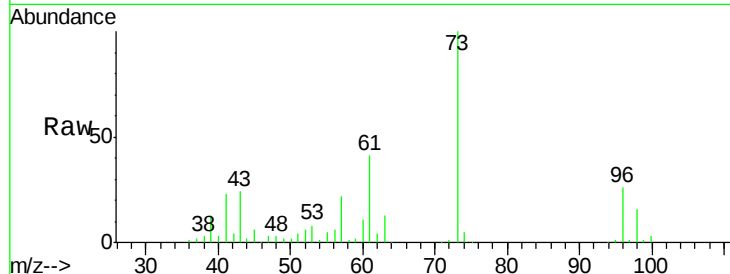
#19
Methvl tert-butvl Ether
Concen: 22.098 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion: 73 Resp: 306917
Ion Ratio Lower Upper
73 100
57 21.9 18.2 27.2

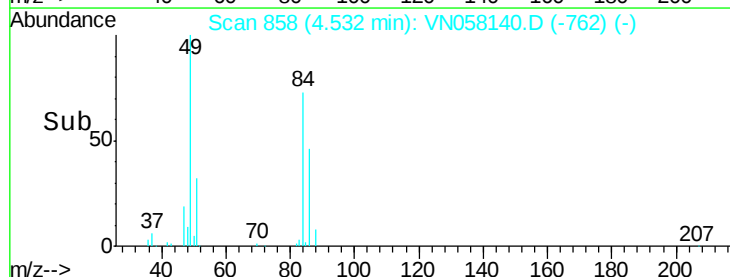
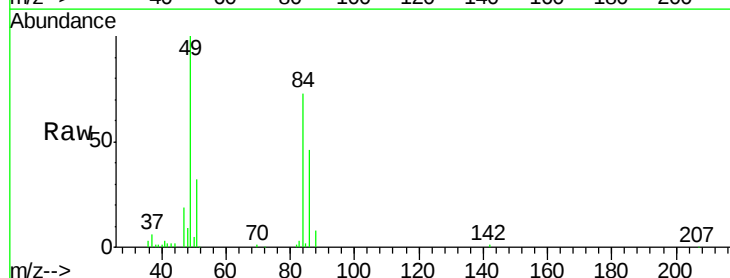
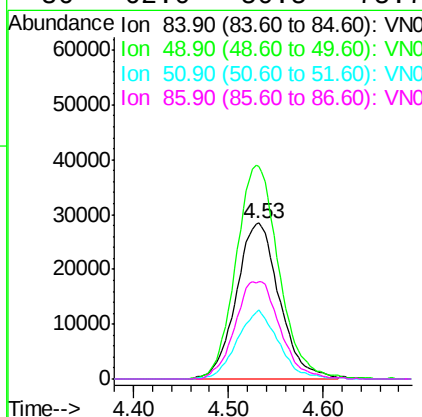
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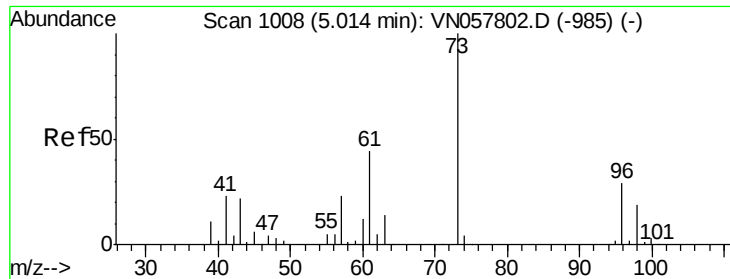
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#20
Methylene Chloride
Concen: 22.022 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion: 84 Resp: 89970
Ion Ratio Lower Upper
84 100
49 136.3 104.8 157.2
51 44.1 33.0 49.4
86 62.0 50.5 75.7





#21

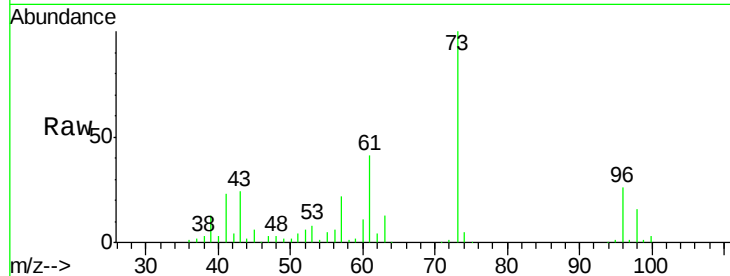
trans-1,2-Dichloroethene
Concen: 19.657 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.0	121.9	182.9
98	61.8	52.2	78.4

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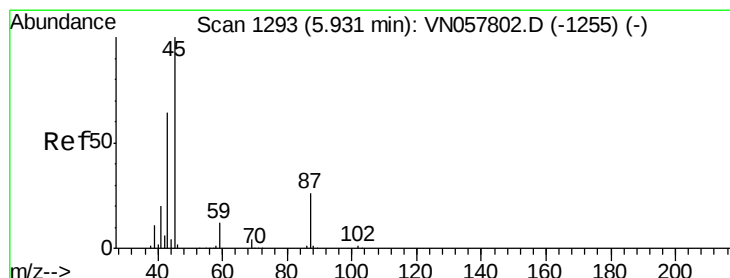
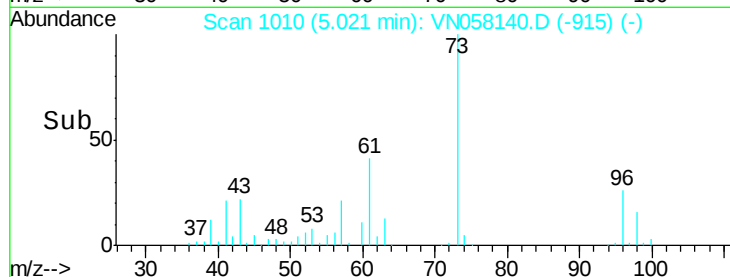
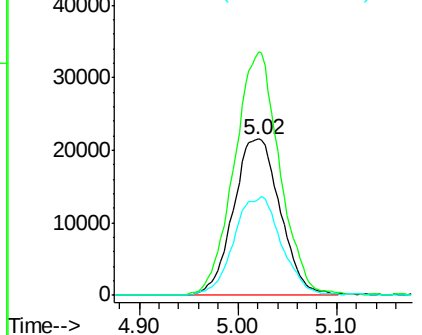


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether
Concen: 22.030 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.7	51.4	77.2
87	27.2	21.3	31.9
59	10.7	9.3	13.9

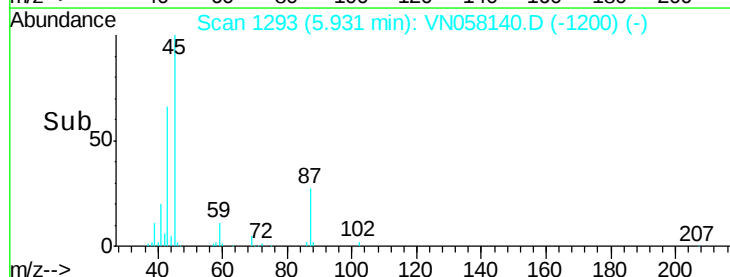
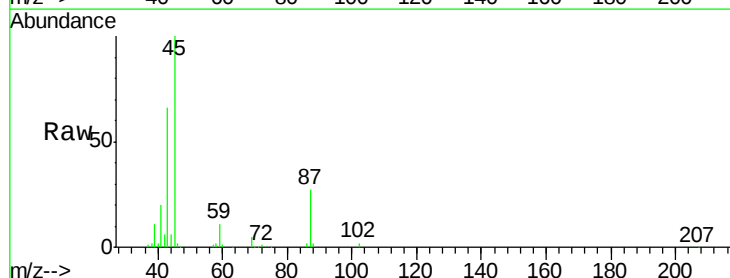
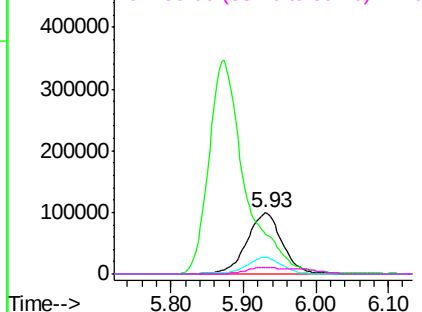
Abundance

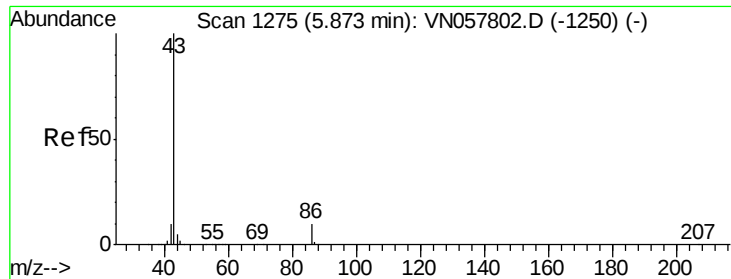
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





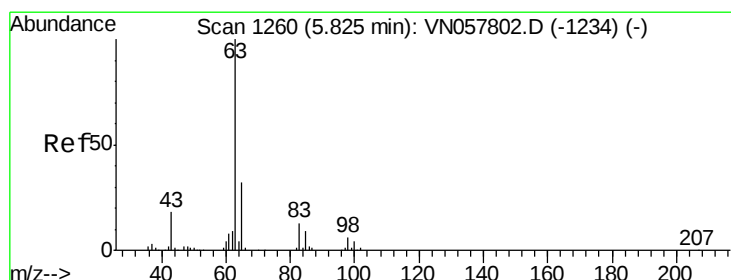
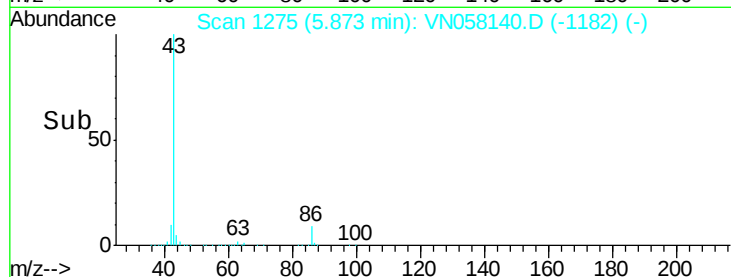
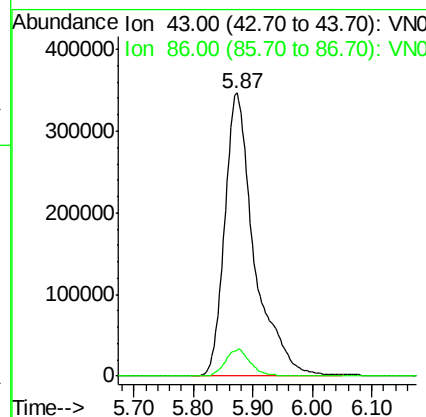
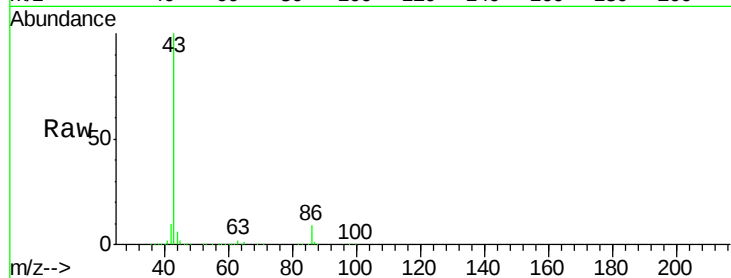
#23
 Vinyl Acetate
 Concen: 110.169 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion: 43 Resp: 1195835
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.7 11.5

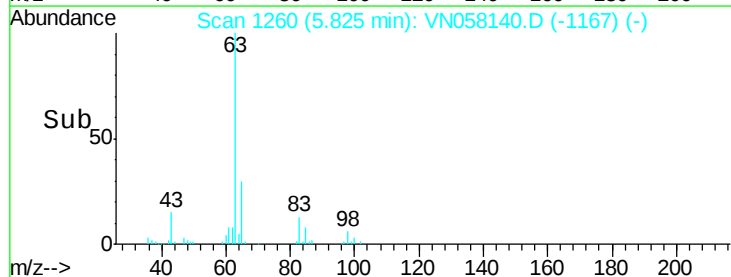
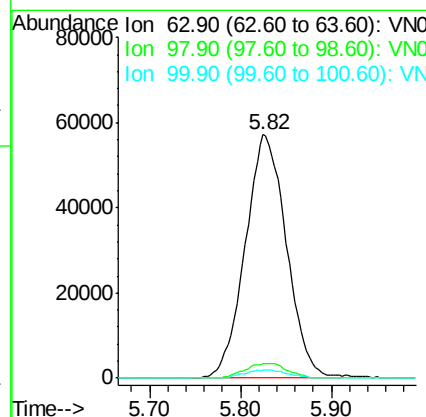
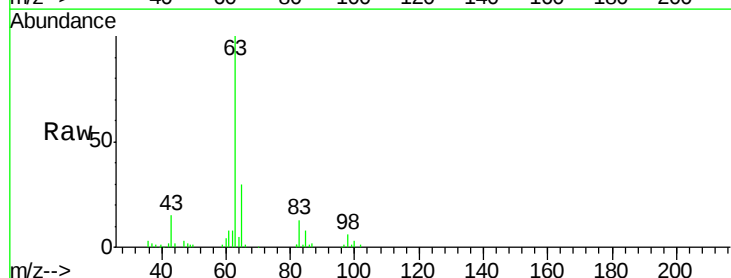
Manual Integrations
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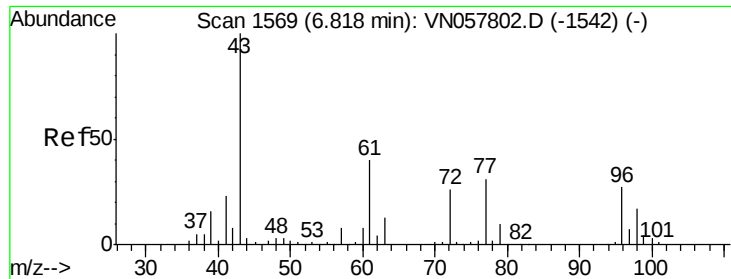
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 21.457 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Tgt Ion: 63 Resp: 179606
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.2
 100 3.3 2.0 5.8





#25

2-Butanone

Concen: 105.152 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 43 Resp: 316709

Ion Ratio Lower Upper

43 100

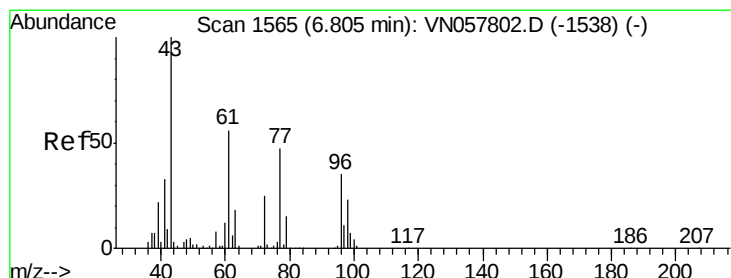
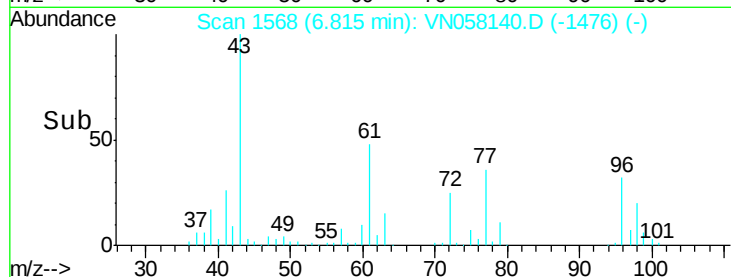
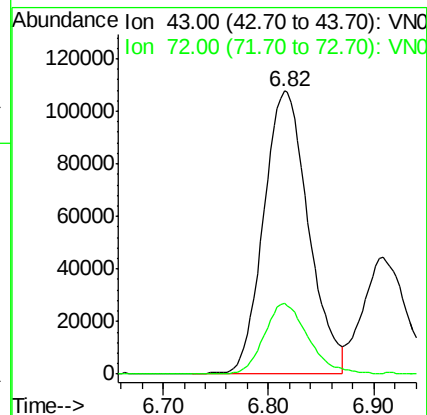
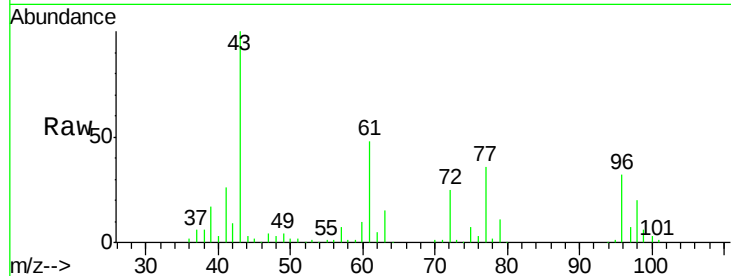
72 24.9 20.6 30.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.665 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058140.D

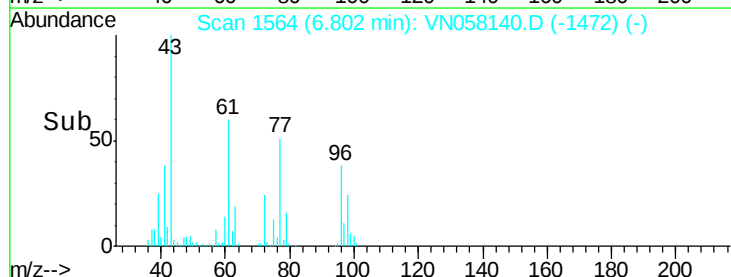
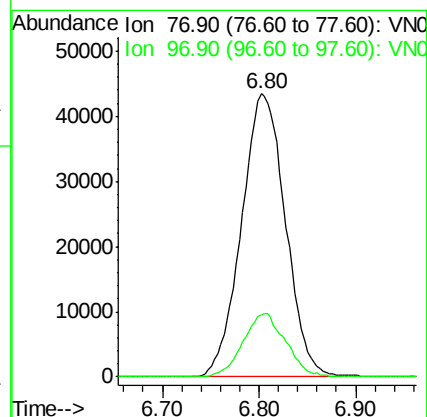
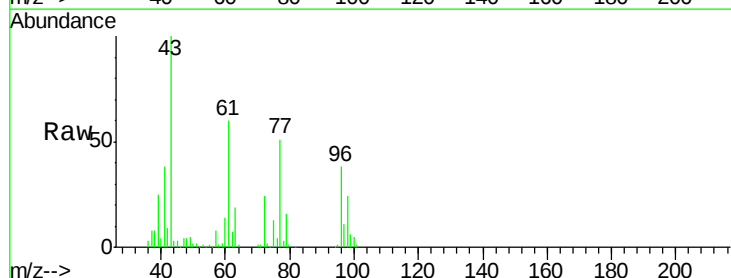
Acq: 17 Sep 2019 11:43

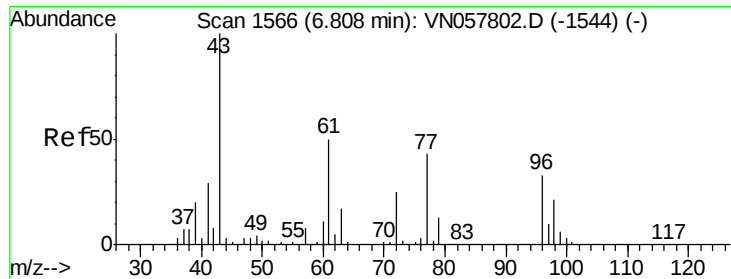
Tgt Ion: 77 Resp: 136891

Ion Ratio Lower Upper

77 100

97 21.6 11.1 33.3





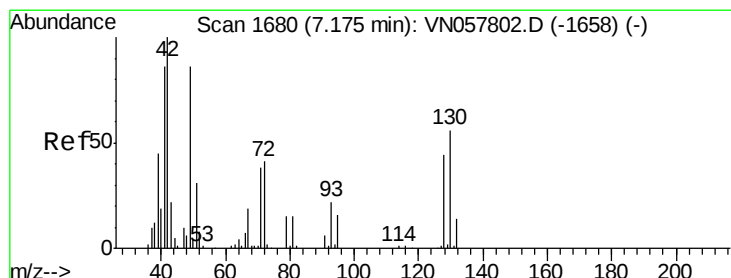
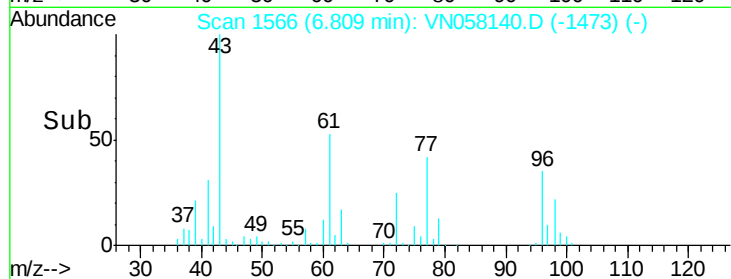
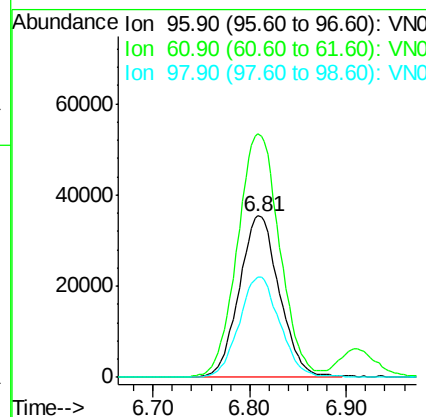
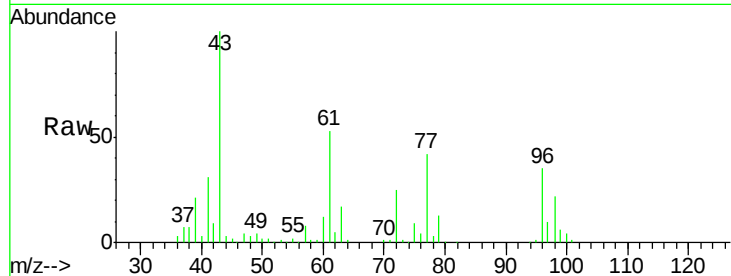
#27
 cis-1,2-Dichloroethene
 Concen: 21.132 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	158.3	0.0	314.0	
98	62.6	0.0	128.6	

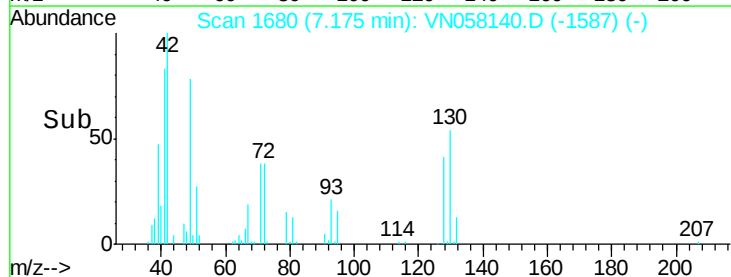
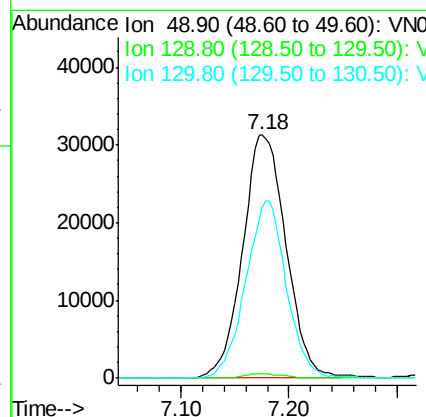
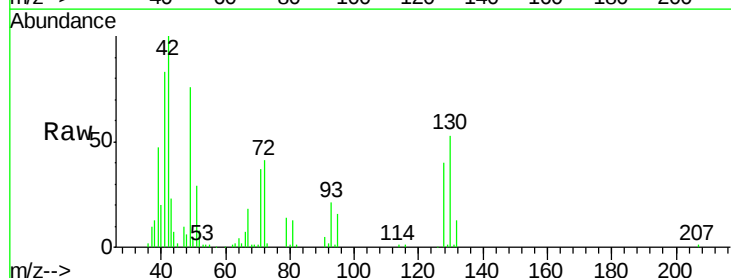
Manual Integrations
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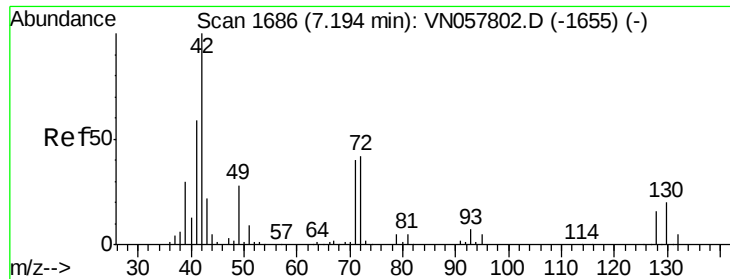
MMDadoda
 9/18/2019 4:41:31 PM



#28
 Bromochloromethane
 Concen: 20.928 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	3.8	
130	68.0	53.0	79.6	





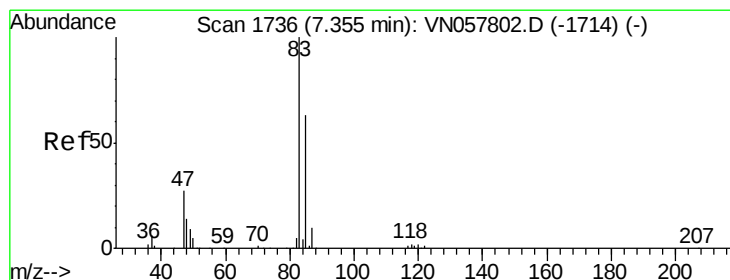
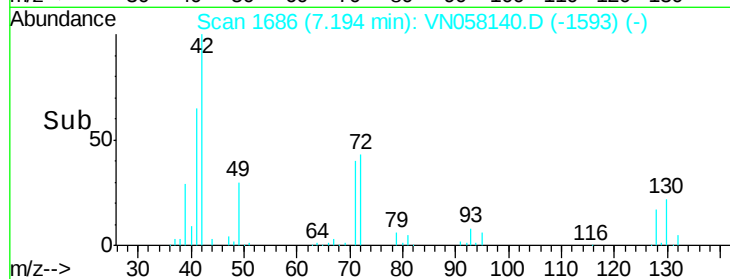
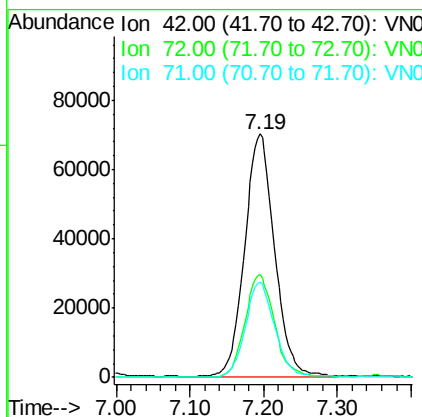
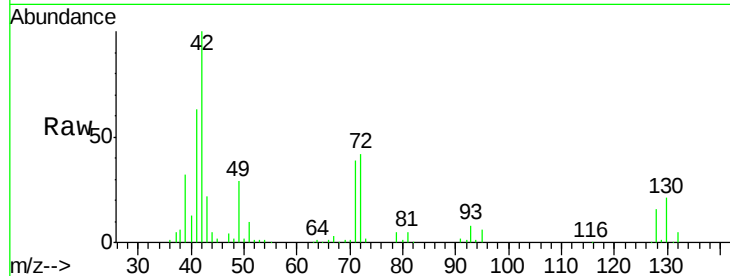
#29
Tetrahydrofuran
Concen: 106.995 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.7	50.5
71	38.4	31.9	47.9

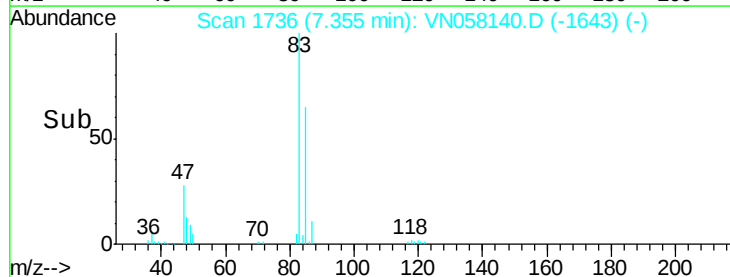
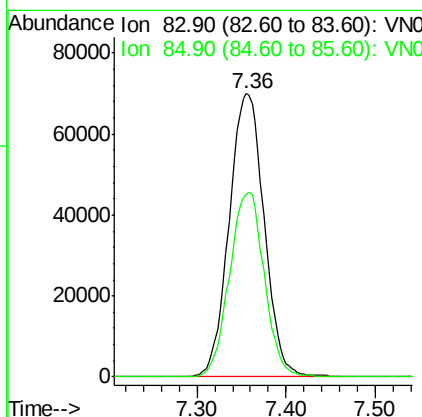
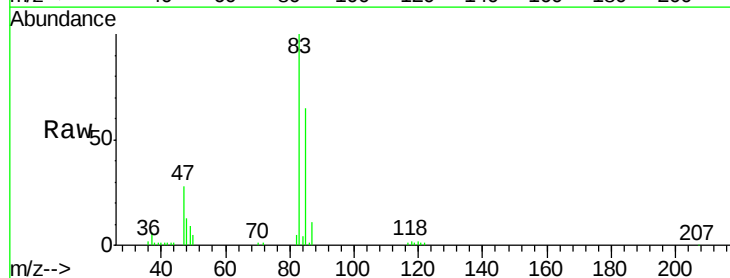
Manual Integrations
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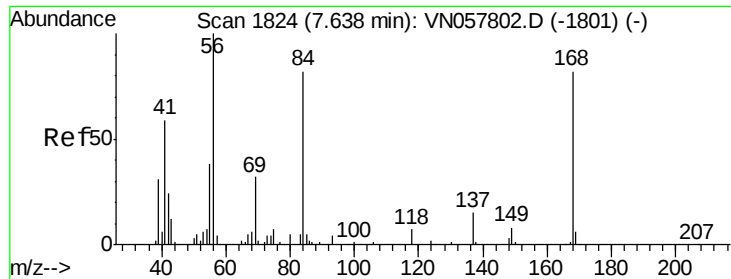
MMDadoda
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#30
Chloroform
Concen: 21.706 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8





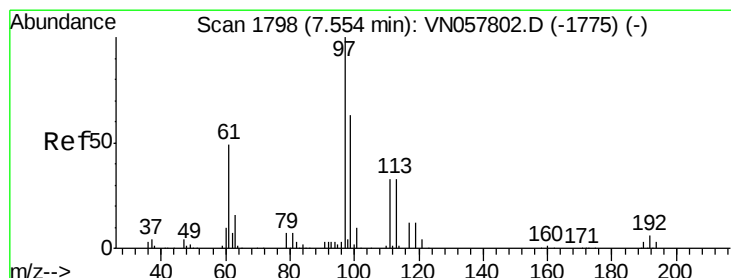
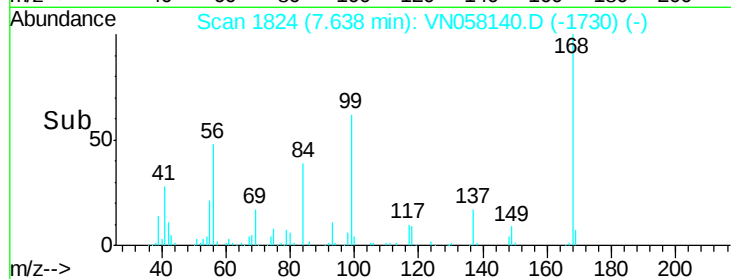
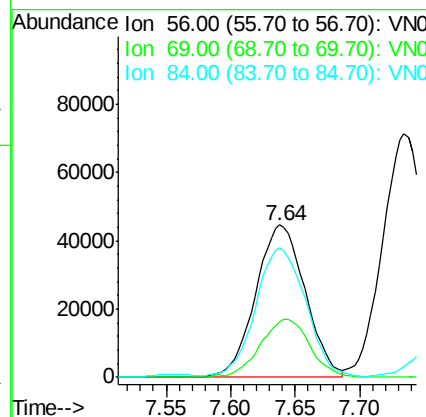
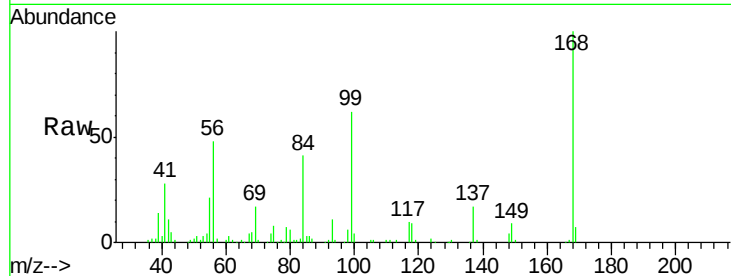
#31
Cyclohexane
Concen: 19.575 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	119423		
69	35.6	25.9	38.9	
84	83.6	65.6	98.4	

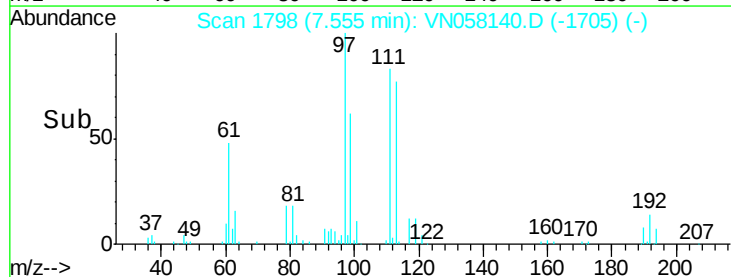
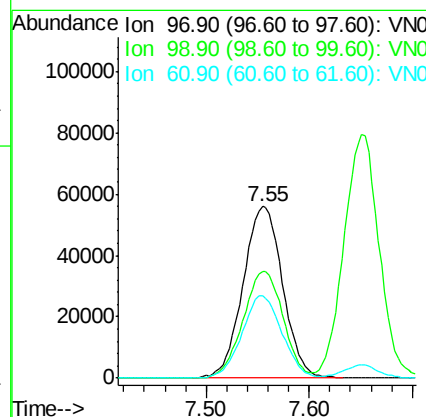
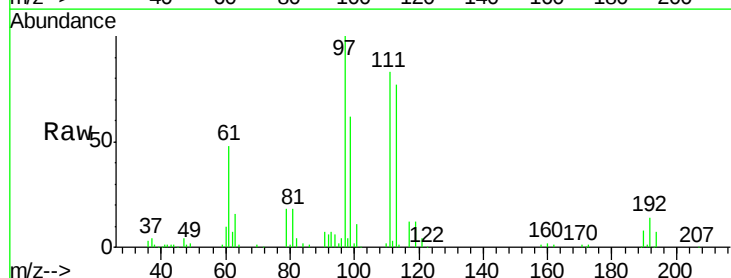
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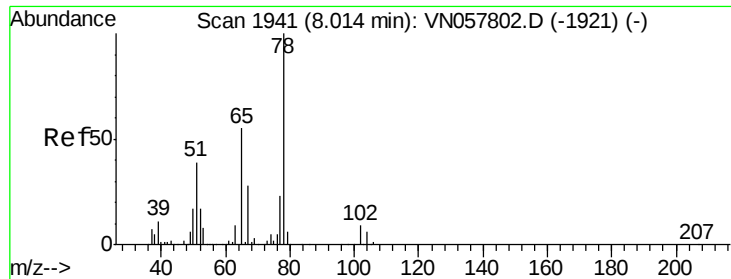
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#32
1,1,1-Trichloroethane
Concen: 21.523 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	149402		
99	63.0	51.0	76.4	
61	48.7	39.0	58.6	





#33

1,2-Dichloroethane-d4

Concen: 52.566 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 65 Resp: 333689

Ion Ratio Lower Upper

65 100

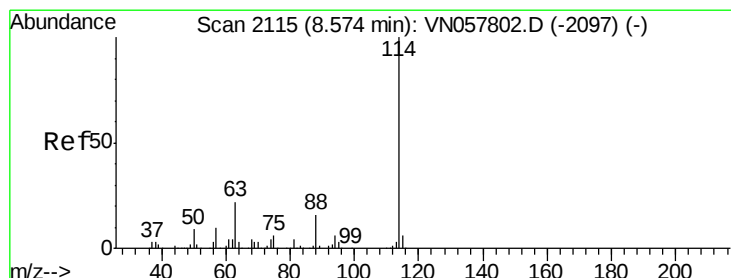
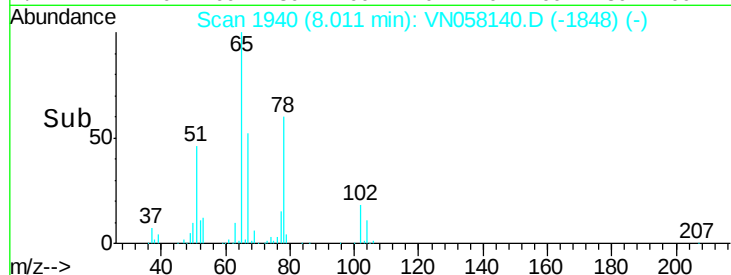
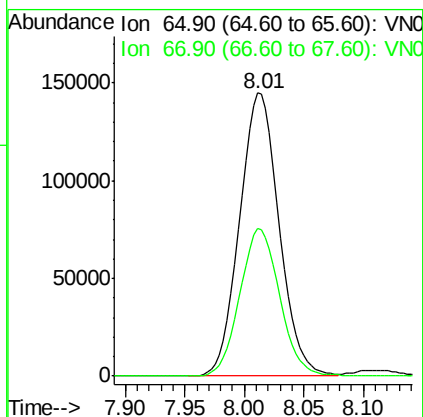
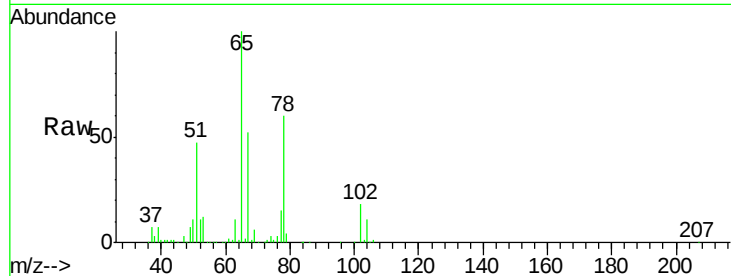
67 52.4 0.0 104.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

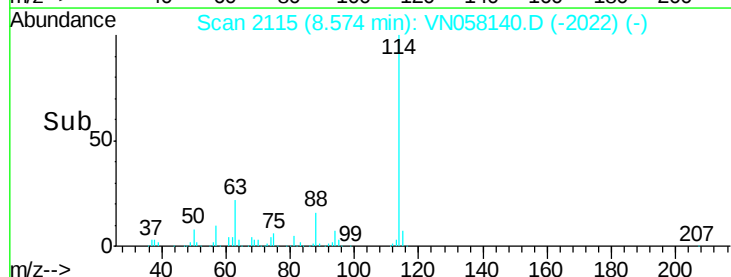
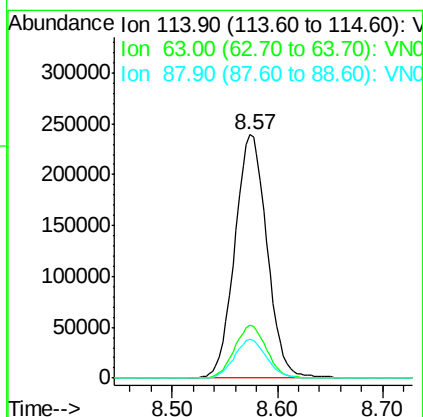
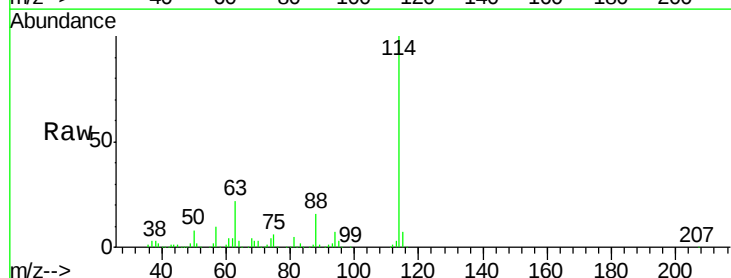
Tgt Ion: 114 Resp: 506043

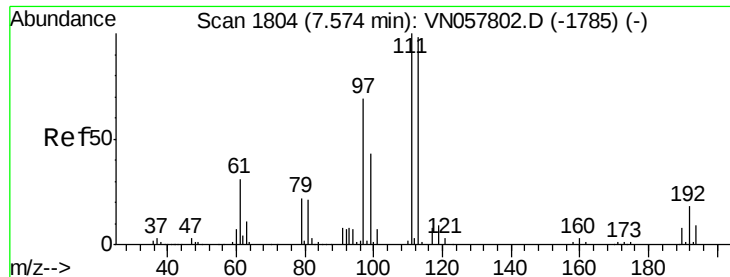
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.0

88 15.9 0.0 31.4





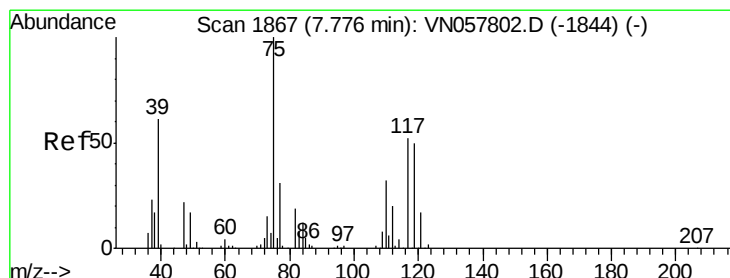
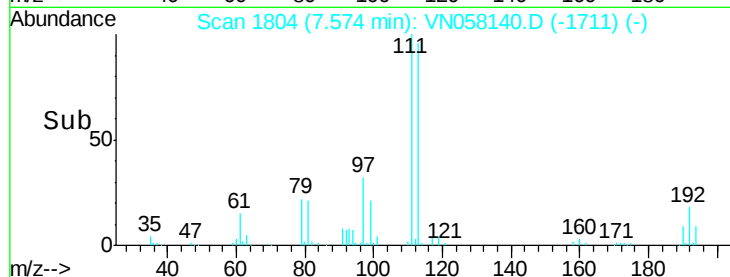
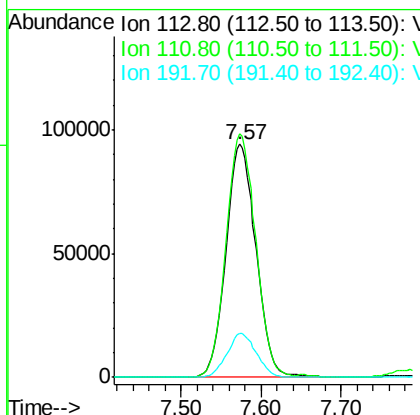
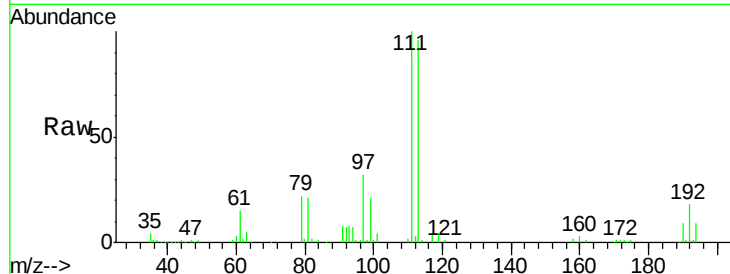
#35
 Dibromofluoromethane
 Concen: 51.393 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	240033		
111	103.4	81.3	121.9	
192	18.5	14.6	22.0	

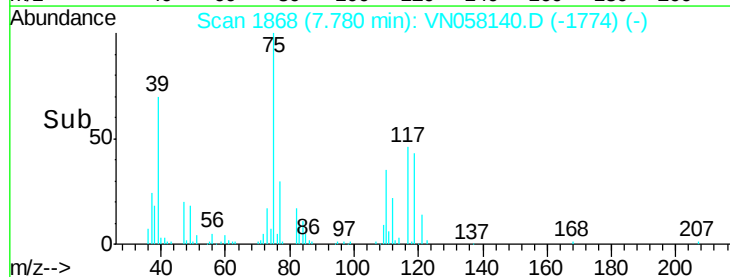
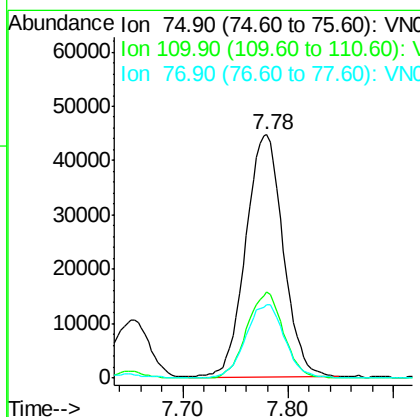
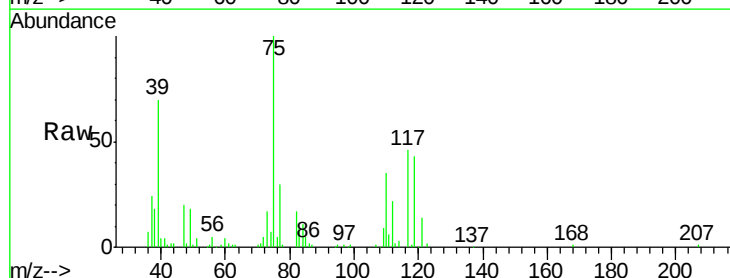
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 18.790 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	110276		
110	34.7	16.3	48.9	
77	31.6	25.0	37.4	





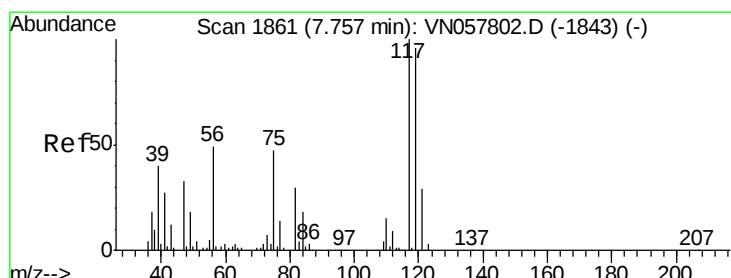
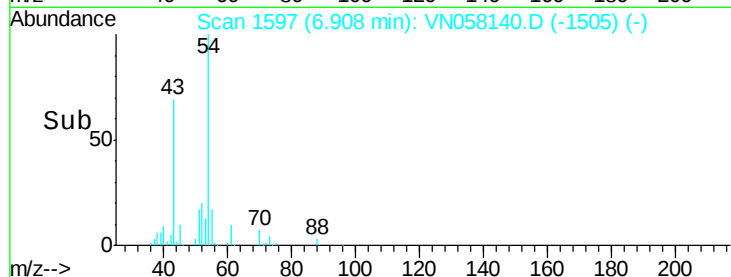
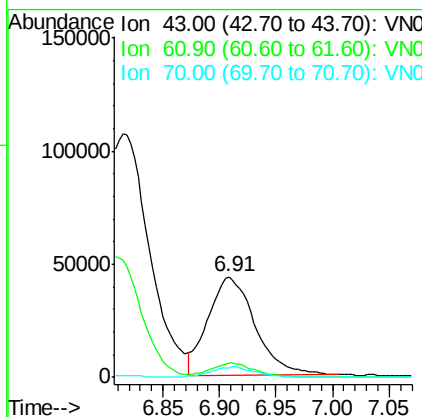
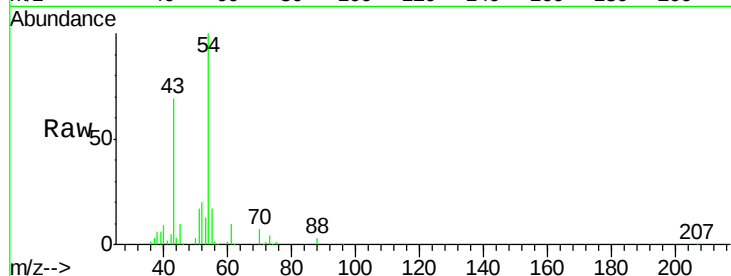
#37
Ethyl Acetate
Concen: 20.852 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampled :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	9.9	7.4	11.0

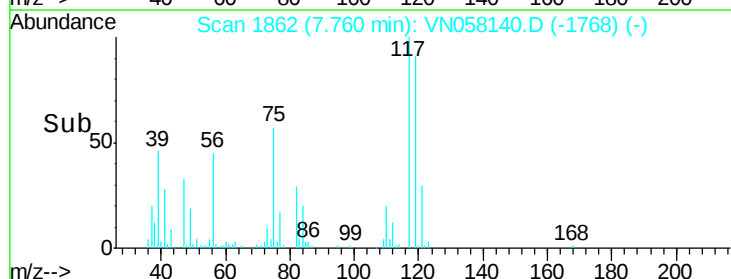
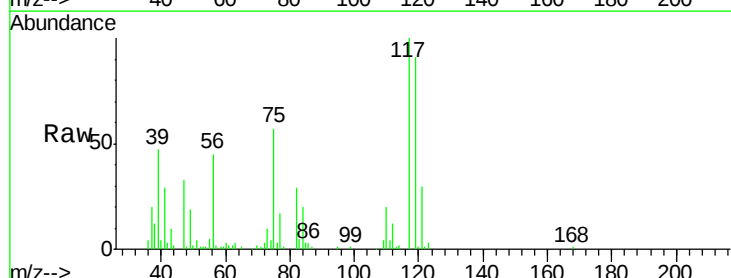
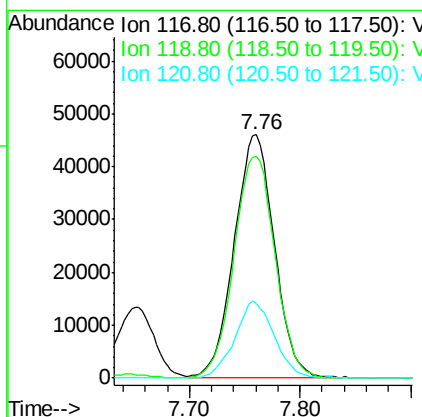
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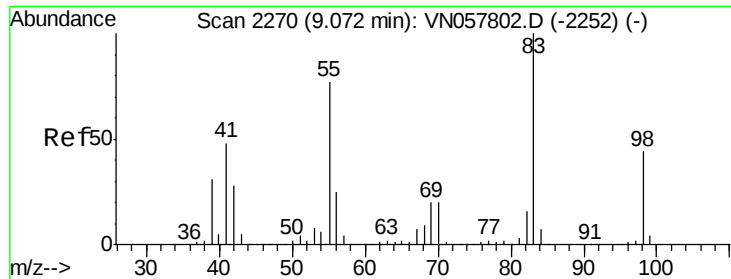
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#38
Carbon Tetrachloride
Concen: 21.731 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	76.9	115.3
121	30.5	23.4	35.2





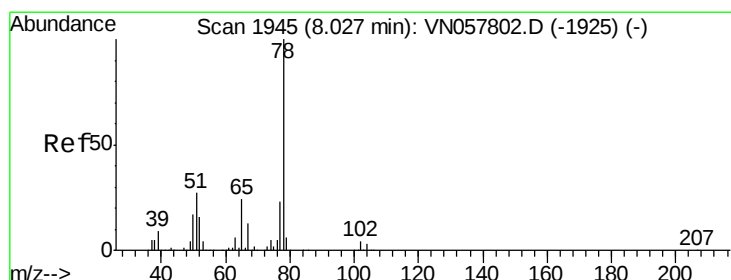
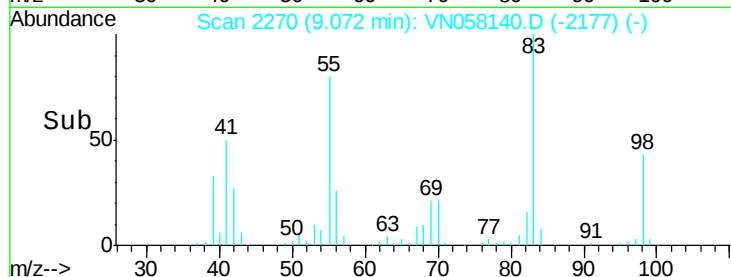
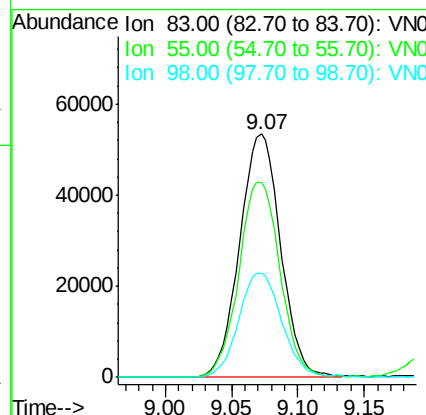
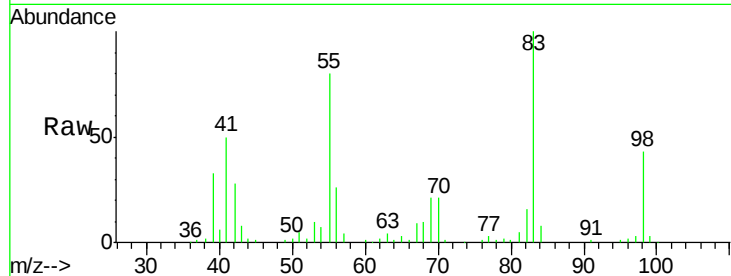
#39
Methvlcvclohexane
Concen: 18.586 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	61.6	92.4
98	43.0	34.9	52.3

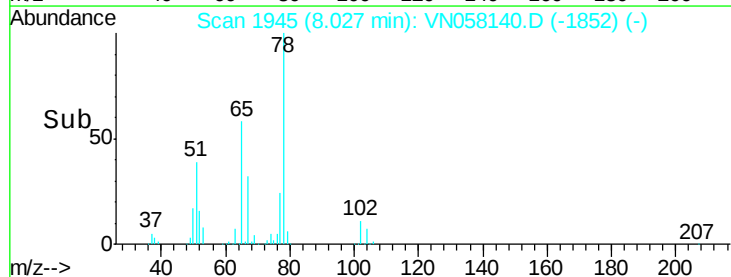
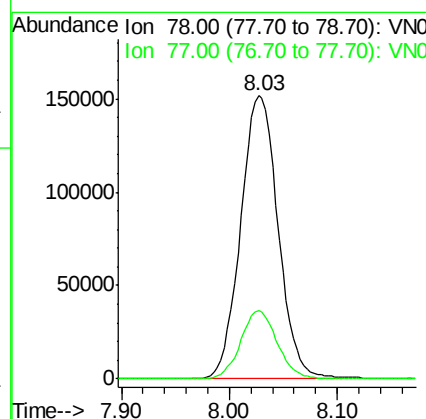
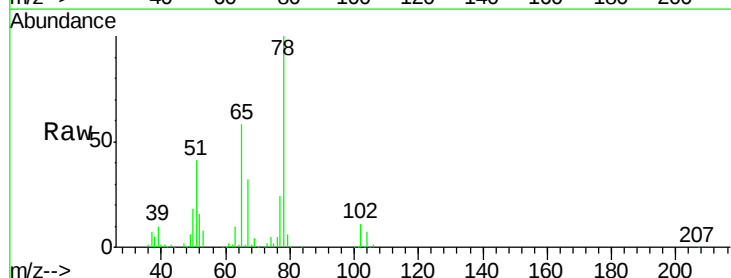
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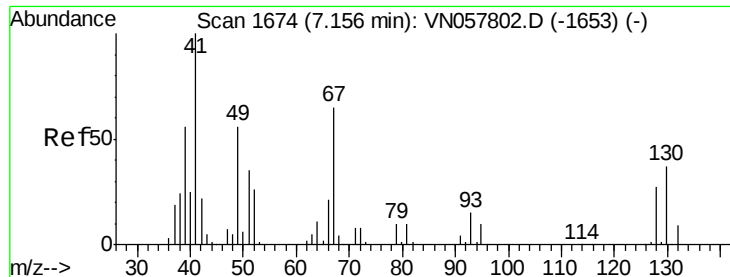
MMDadoda
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#40
Benzene
Concen: 20.726 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.3	27.5





#41

Methacrylonitrile

Concen: 22.225 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 41 Resp: 61172

Ion Ratio Lower Upper

41 100

39 56.3 51.0 76.6

67 86.2 70.7 106.1

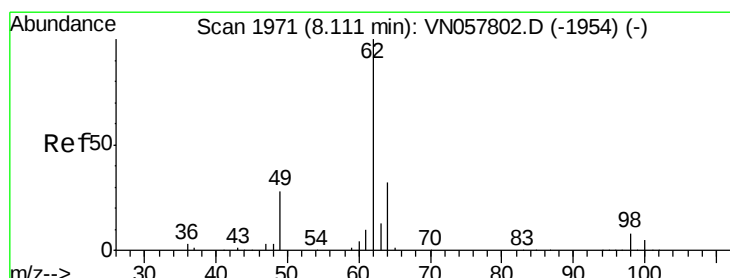
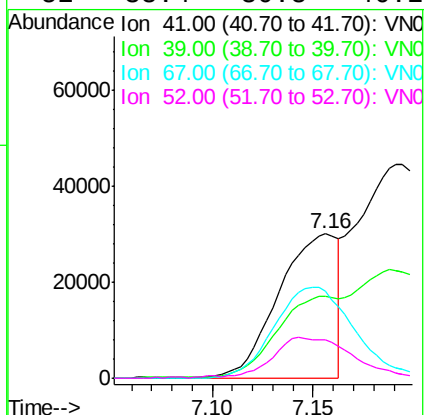
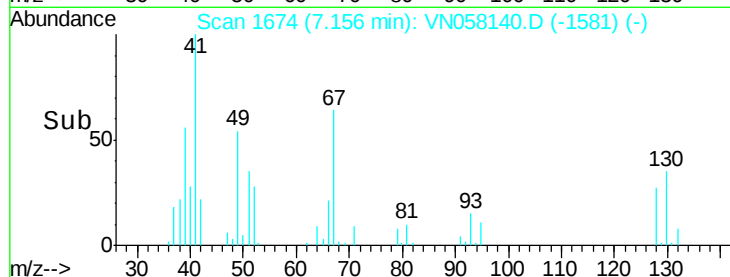
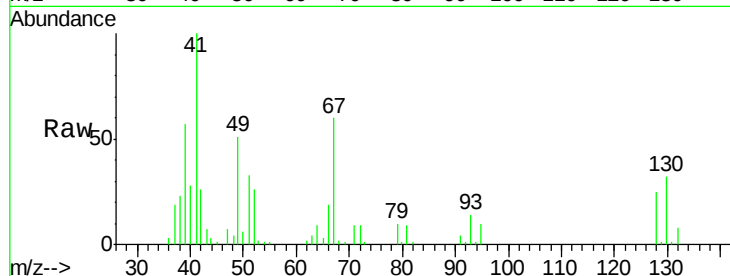
52 38.4 30.8 46.2

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 21.820 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058140.D

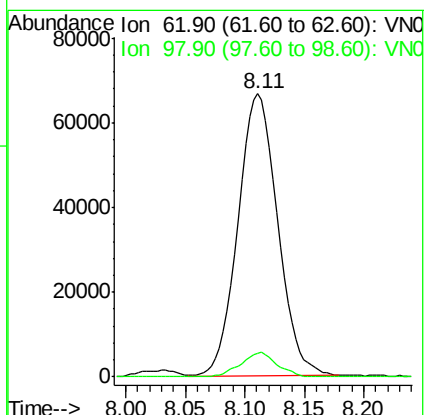
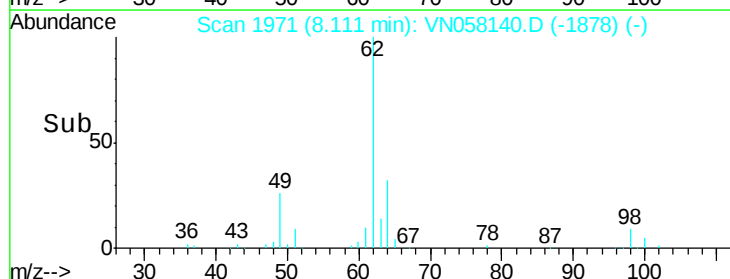
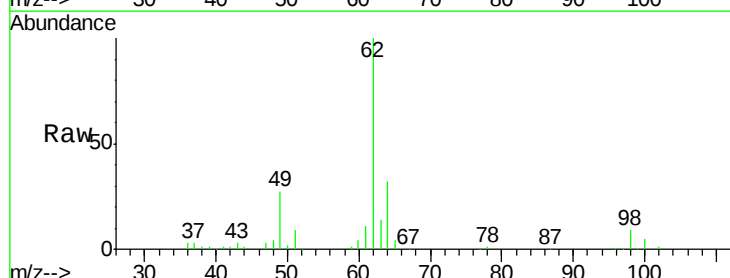
Acq: 17 Sep 2019 11:43

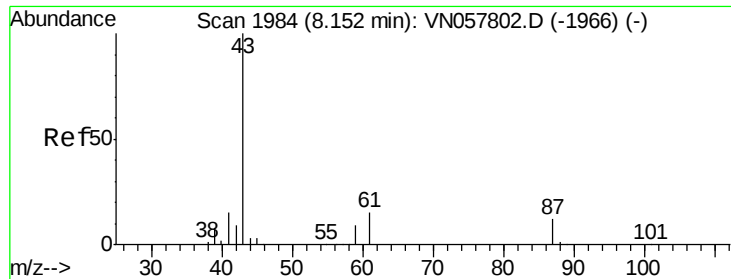
Tgt Ion: 62 Resp: 154191

Ion Ratio Lower Upper

62 100

98 7.9 0.0 15.8





#43

Isopropyl Acetate

Concen: 24.159 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

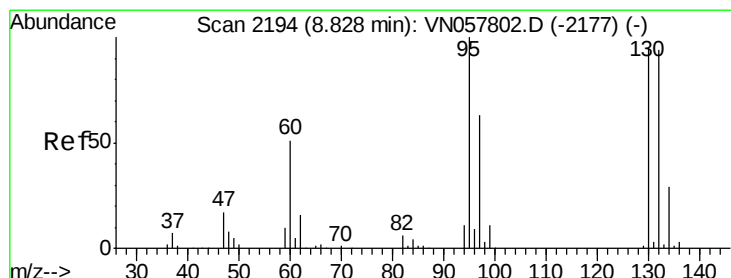
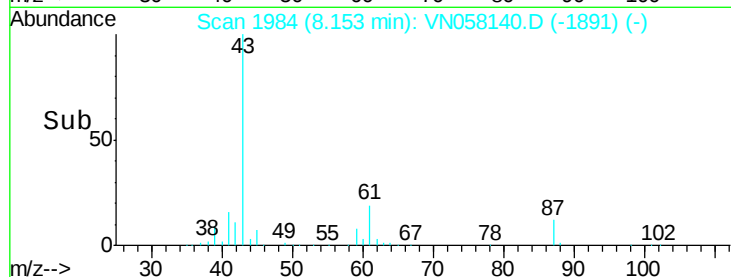
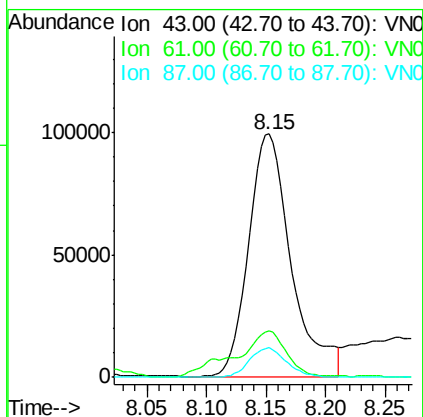
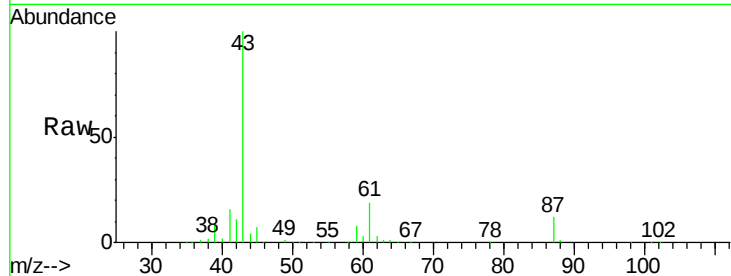
ClientSampleId :

VN0917WBS01

Tot Ion:	43	Resp:	246351
Ion	Ratio	Lower	Upper
43	100		
61	22.8	20.1	30.1
87	10.7	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 20.587 ug/l

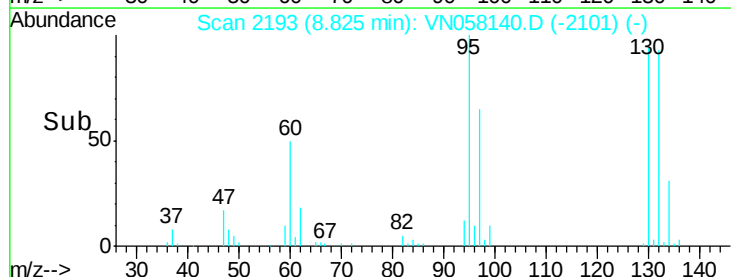
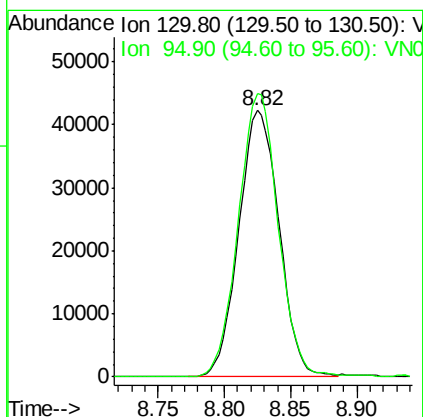
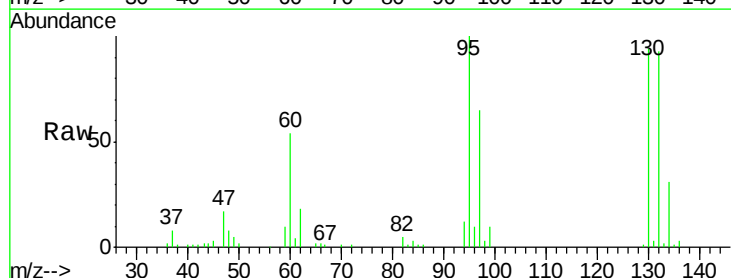
RT: 8.82 min Scan# 2193

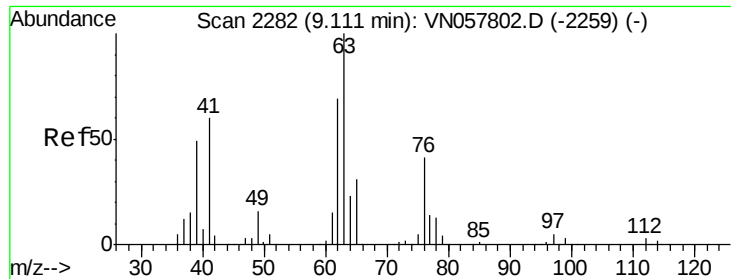
Delta R.T. -0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Tgt Ion:	130	Resp:	89216
Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	211.4





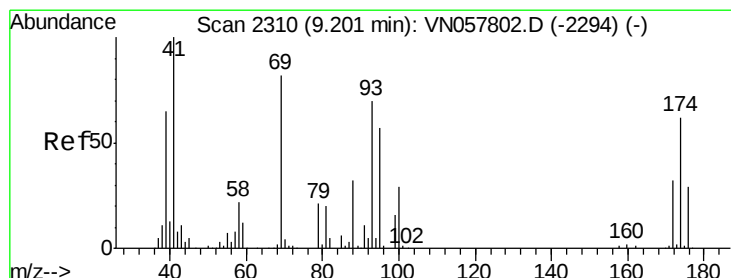
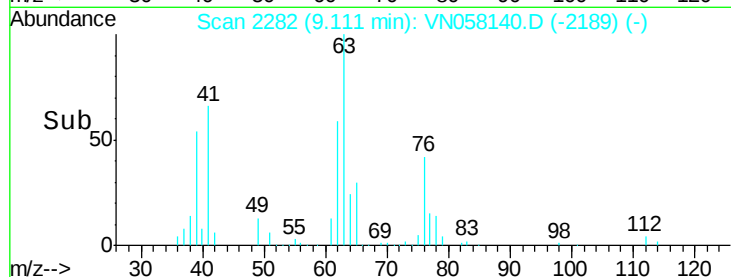
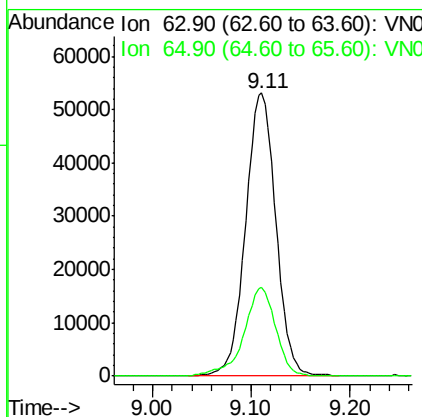
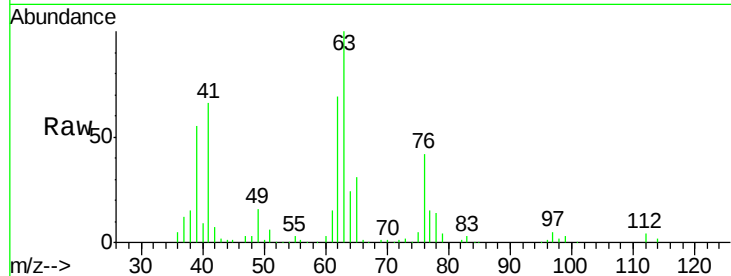
#45
 1,2-Dichloropropane
 Concen: 21.900 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion: 63 Resp: 112597
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.8 37.2

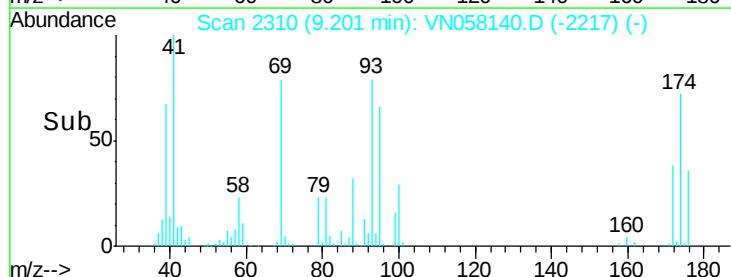
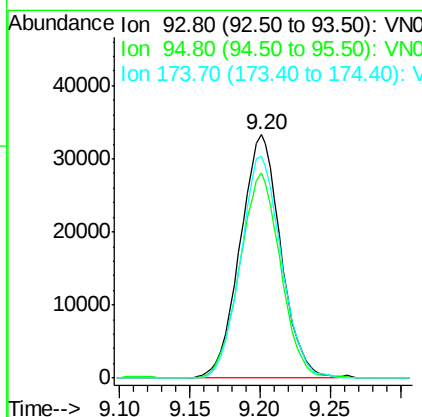
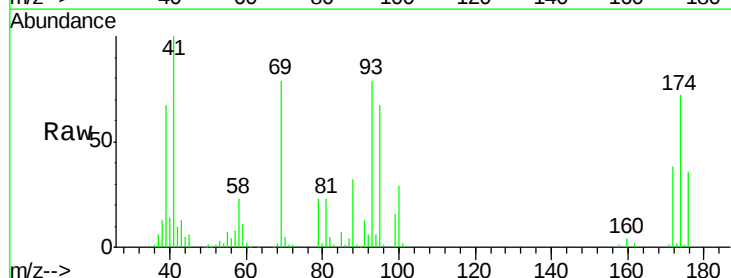
Manual Integrations
 APPROVED

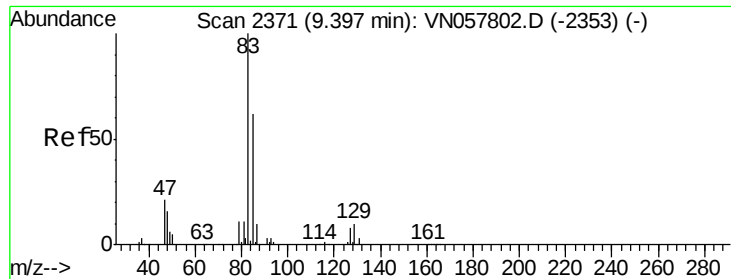
MMDadoda
 9/18/2019 4:41:31 PM



#46
 Dibromomethane
 Concen: 21.611 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Tgt Ion: 93 Resp: 67143
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.9 98.9
 174 91.3 71.8 107.6





#47

Bromodichloromethane

Concen: 22.698 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

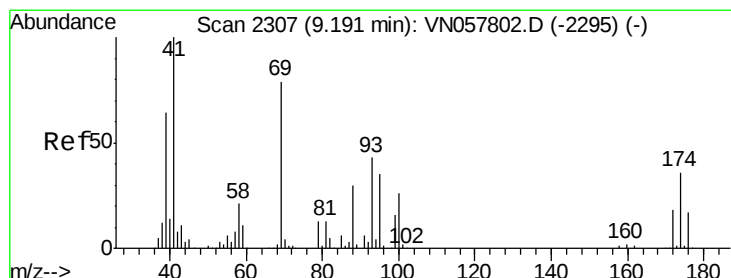
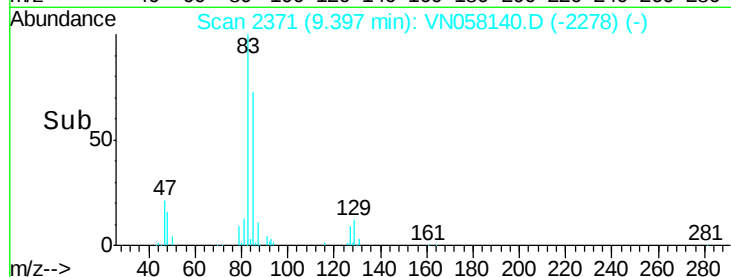
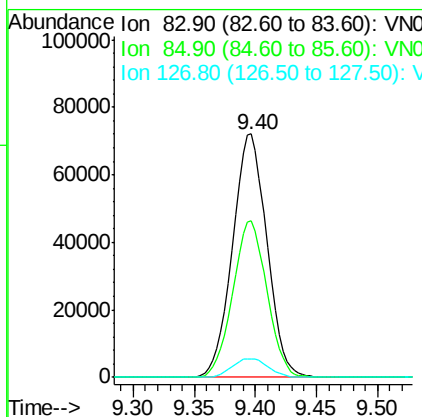
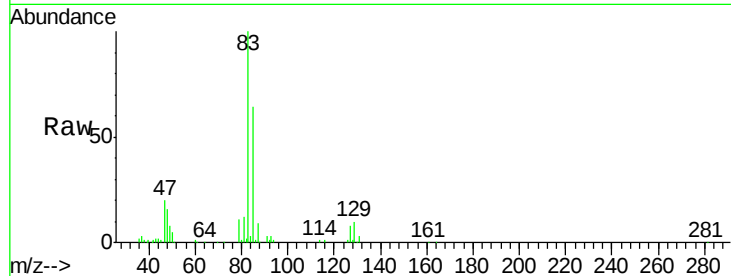
ClientSampleId :

VN0917WBS01

Tot Ion:	83	Resp:	140818
Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.9	74.9
127	7.8	6.5	9.7

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 20.509 ug/l

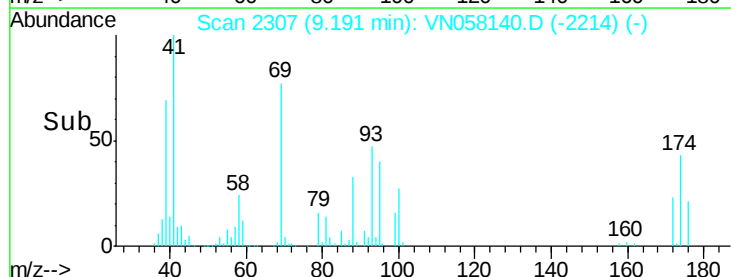
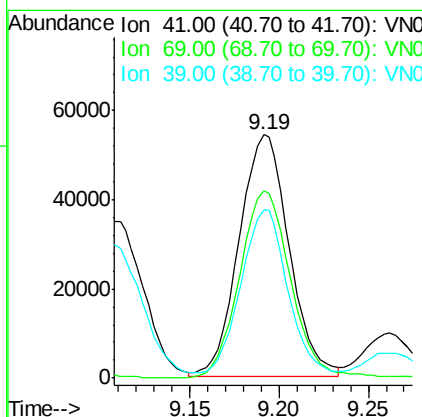
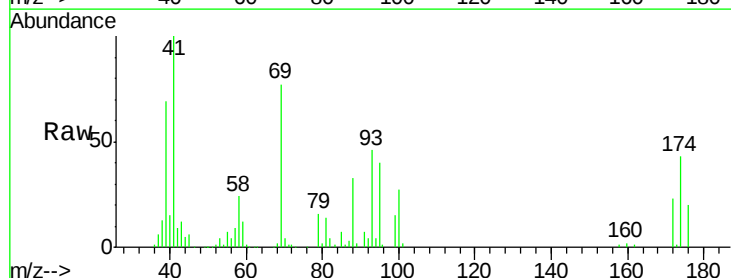
RT: 9.19 min Scan# 2307

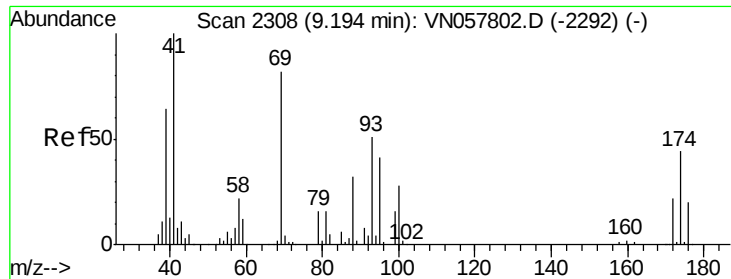
Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Tgt Ion:	41	Resp:	106083
Ion	Ratio	Lower	Upper
41	100		
69	79.8	62.7	94.1
39	66.0	52.7	79.1





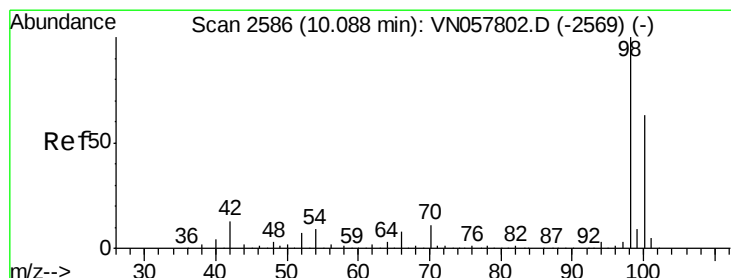
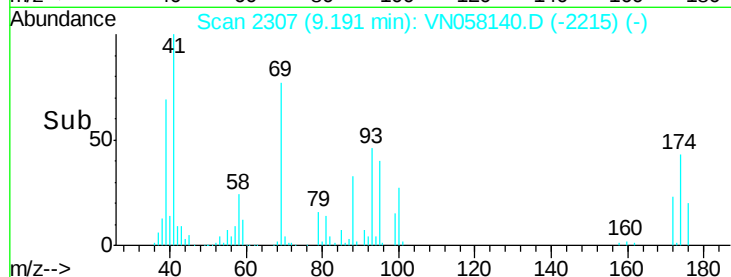
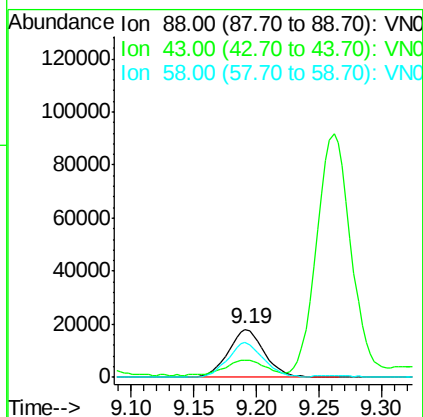
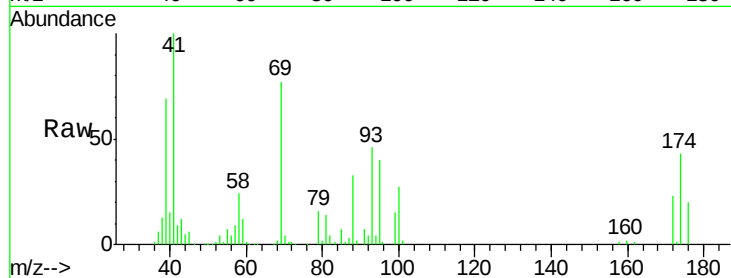
#49
 1,4-Dioxane
 Concen: 414.465 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	28.5	42.7
58	71.4	55.8	83.6

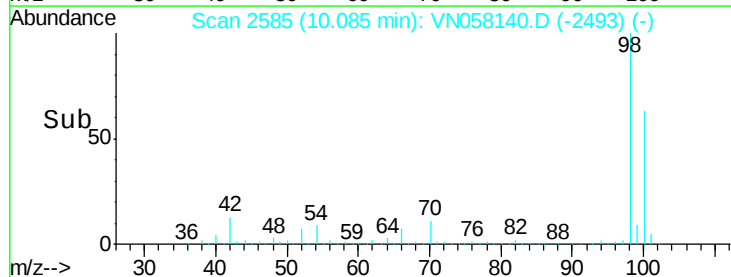
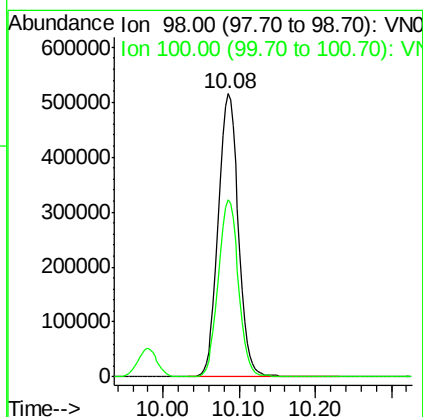
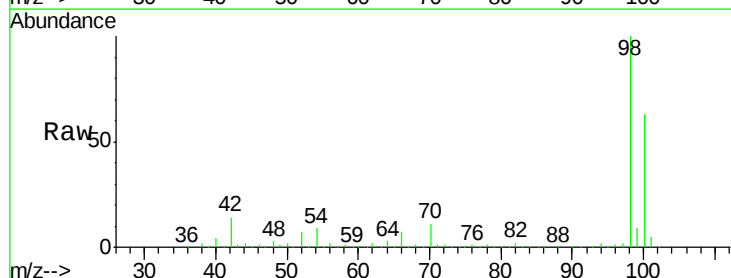
Manual Integrations
 APPROVED

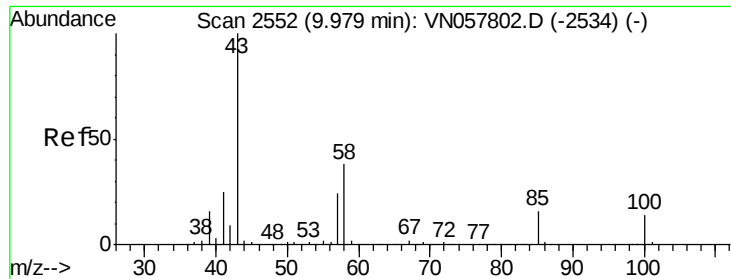
MMDadoda
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#50
 Toluene-d8
 Concen: 52.406 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 115.692 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 43 Resp: 698110

Ion Ratio Lower Upper

43 100

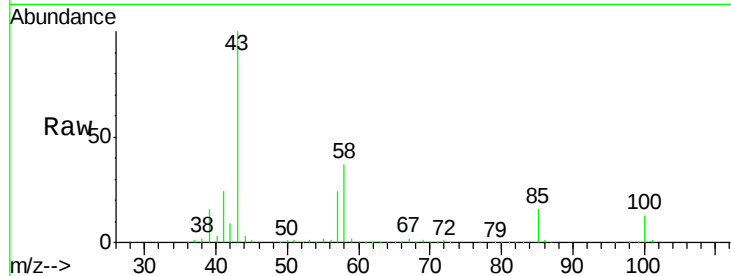
58 36.7 29.8 44.6

Manual Integrations

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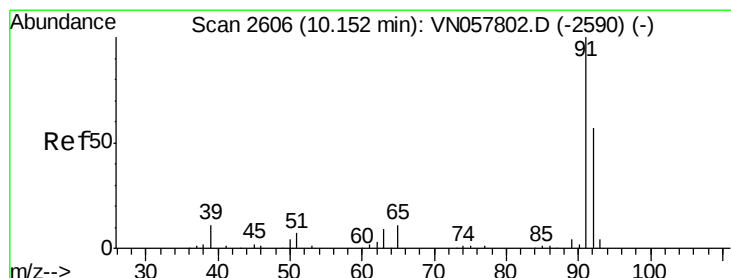
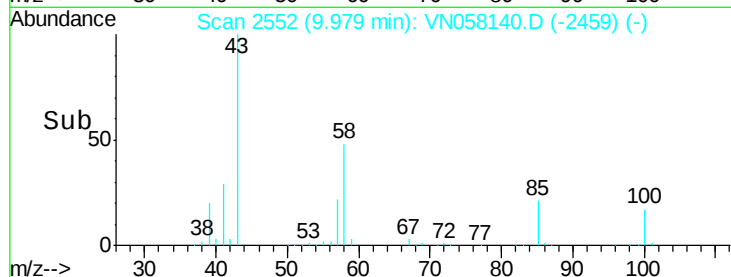
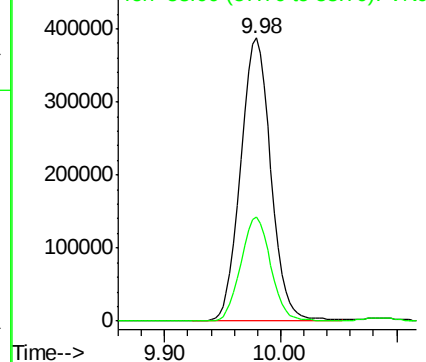
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.668 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058140.D

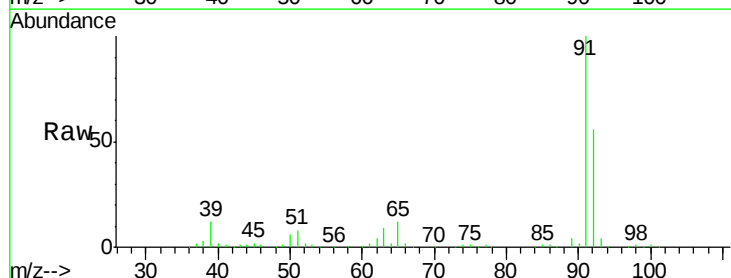
Acq: 17 Sep 2019 11:43

Tgt Ion: 92 Resp: 230002

Ion Ratio Lower Upper

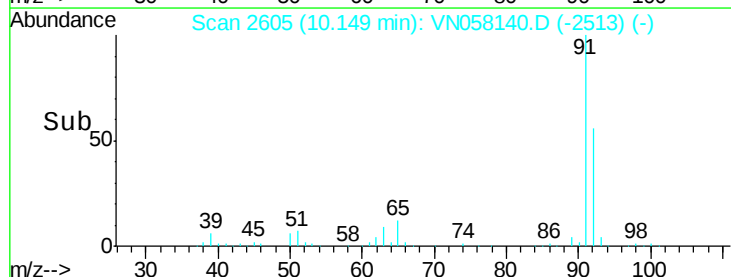
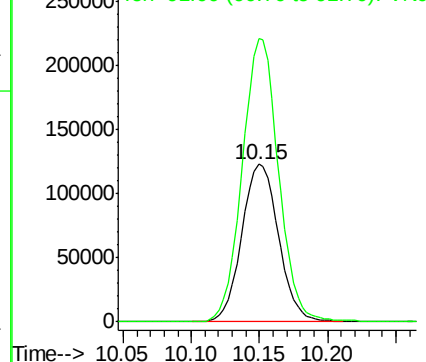
92 100

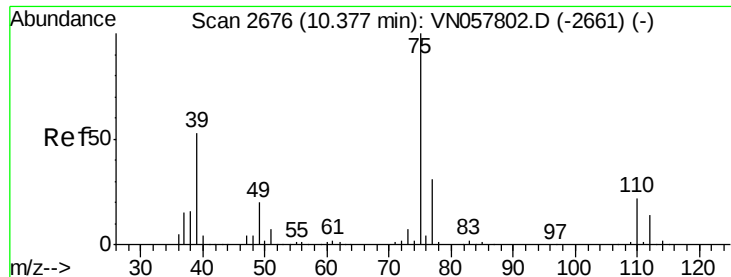
91 176.8 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





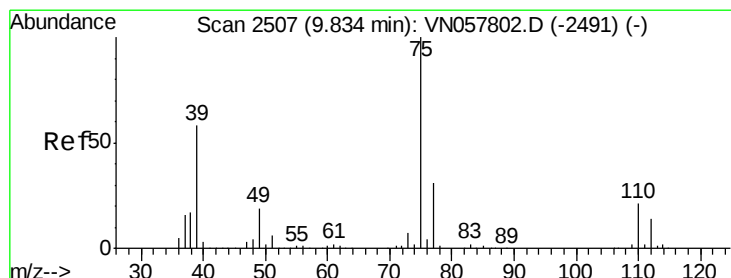
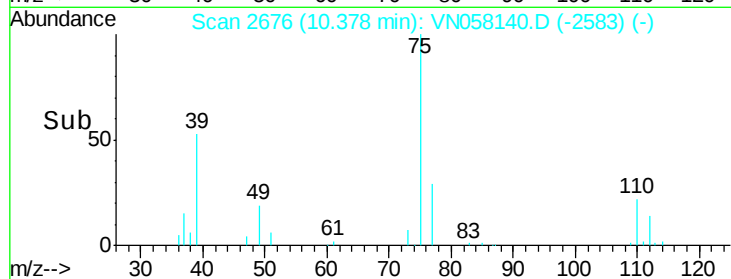
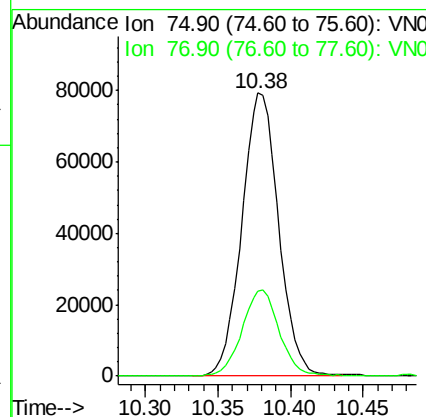
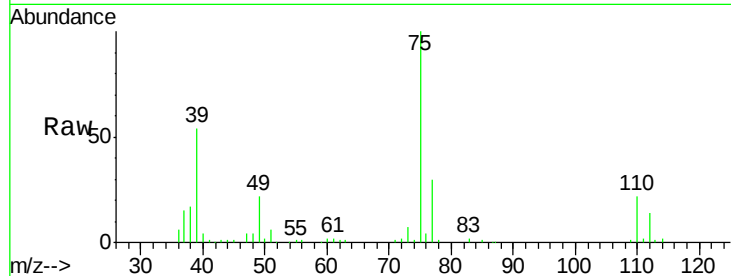
#53
t-1,3-Dichloropropene
Concen: 21.392 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion: 75 Resp: 139756
Ion Ratio Lower Upper
75 100
77 29.8 24.5 36.7

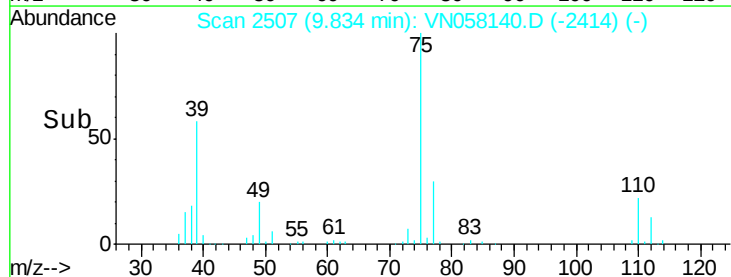
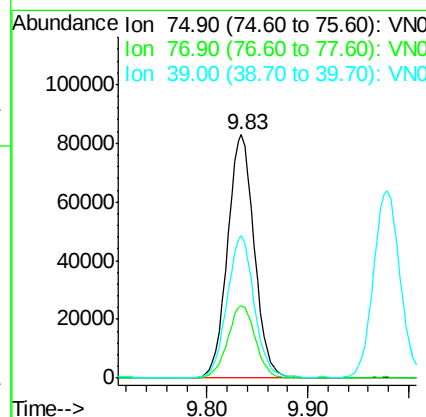
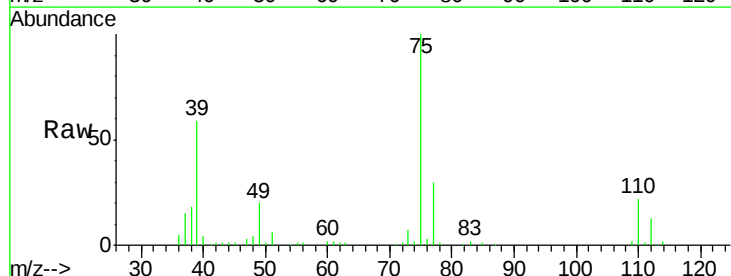
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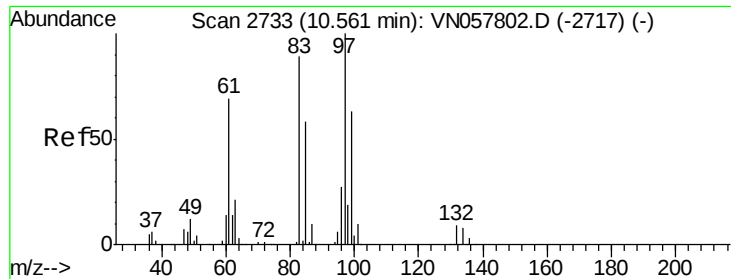
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#54
cis-1,3-Dichloropropene
Concen: 21.300 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion: 75 Resp: 153635
Ion Ratio Lower Upper
75 100
77 29.6 24.8 37.2
39 58.3 46.2 69.4





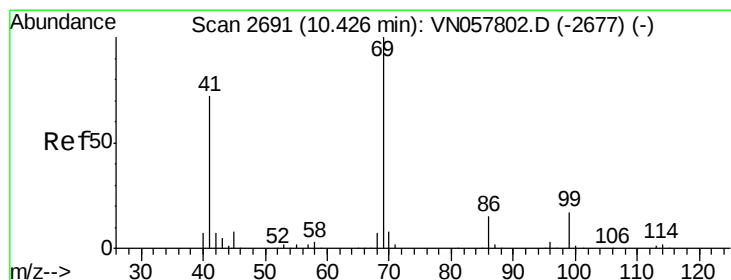
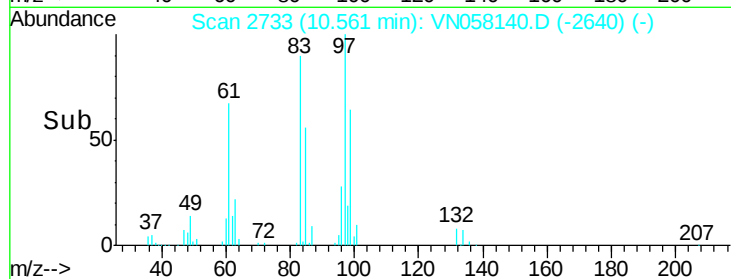
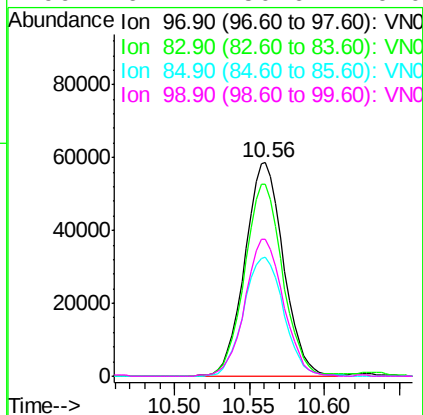
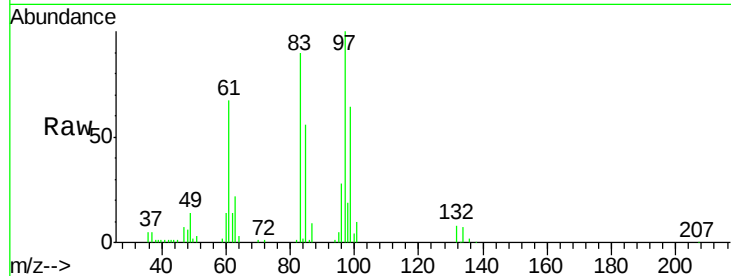
#55
 1,1,2-Trichloroethane
 Concen: 22.362 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion:	97	Resp:	105414
Ion	Ratio	Lower	Upper
97	100		
83	90.1	70.8	106.2
85	55.5	46.0	69.0
99	64.2	50.6	76.0

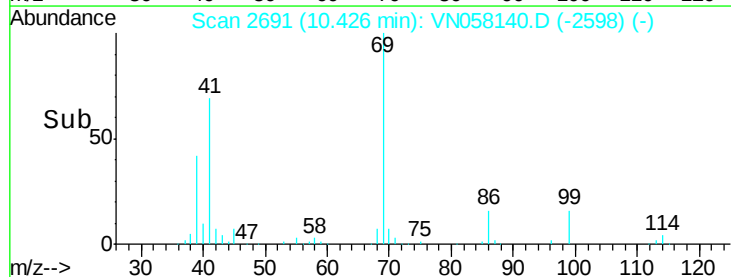
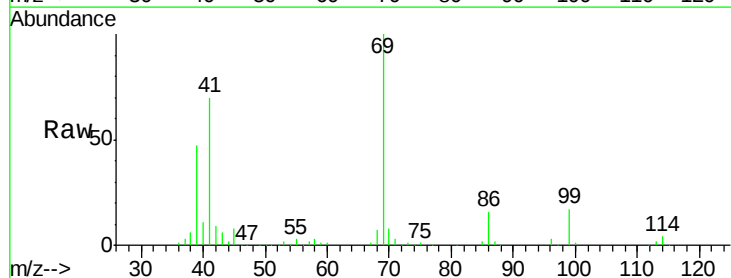
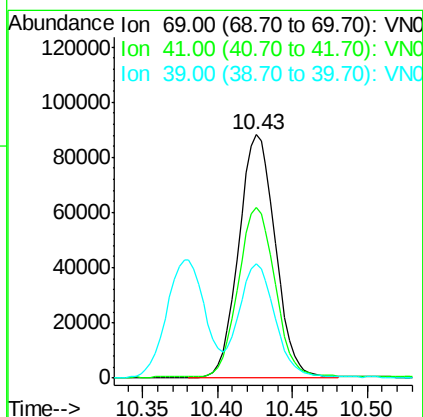
Manual Integrations
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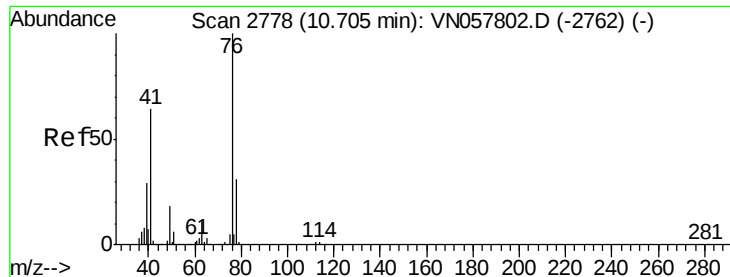
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 9/18/2019 4:41:31 PM



#56
 Ethyl methacrylate
 Concen: 21.272 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Tgt Ion:	69	Resp:	151004
Ion	Ratio	Lower	Upper
69	100		
41	69.8	56.7	85.1
39	44.8	36.3	54.5





#57

1,3-Dichloropropane

Concen: 21.840 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 76 Resp: 177423

Ion Ratio Lower Upper

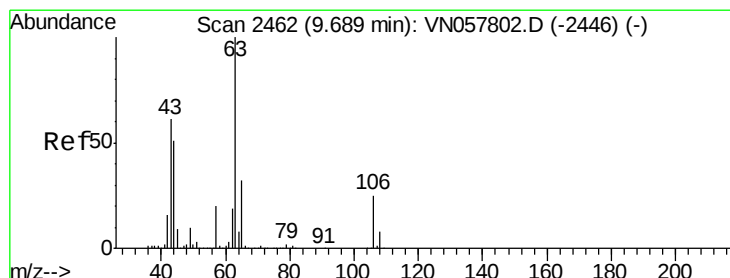
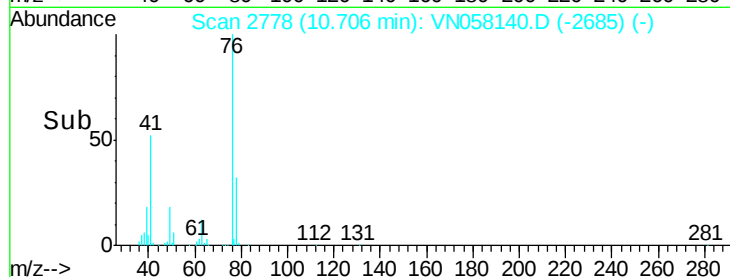
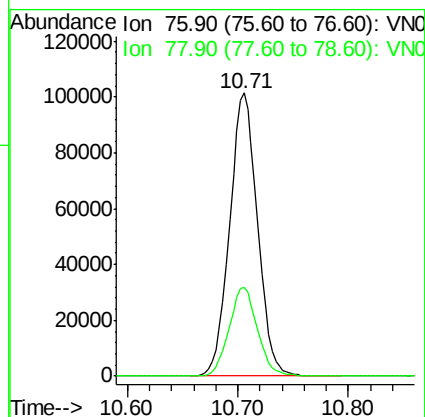
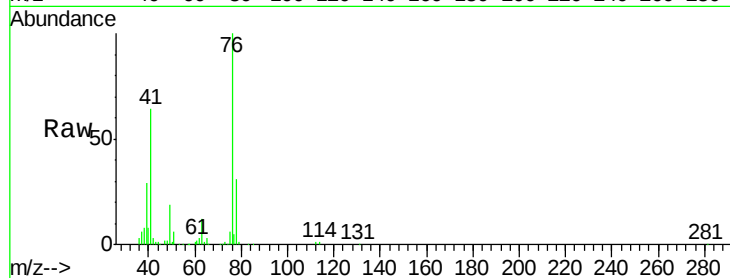
76 100

78 32.0 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

9/18/2019 4:41:31 PM



#58

2-Chloroethyl Vinyl ether

Concen: 99.078 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058140.D

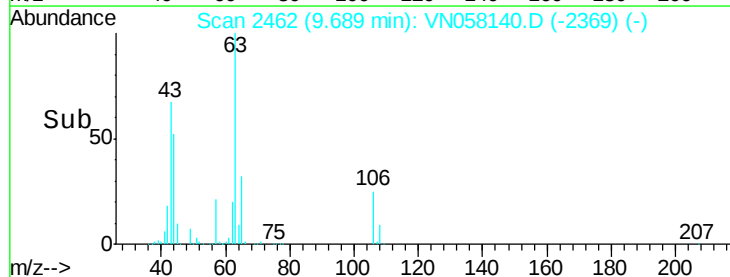
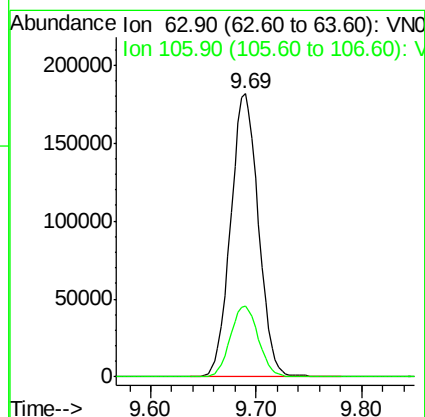
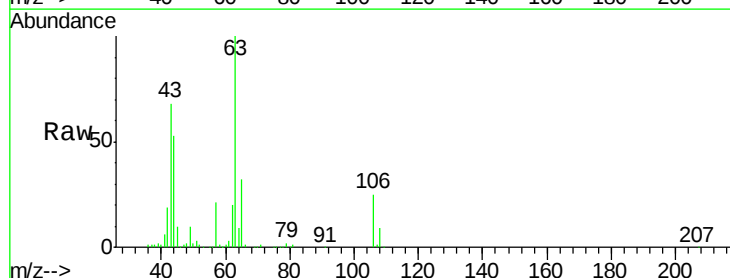
Acq: 17 Sep 2019 11:43

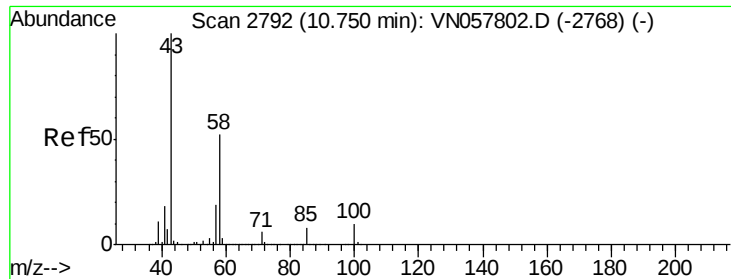
Tgt Ion: 63 Resp: 331258

Ion Ratio Lower Upper

63 100

106 25.2 20.0 30.0





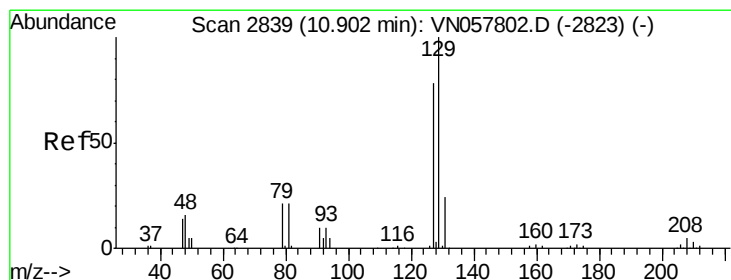
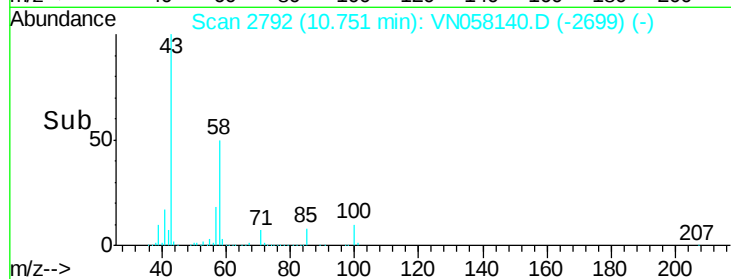
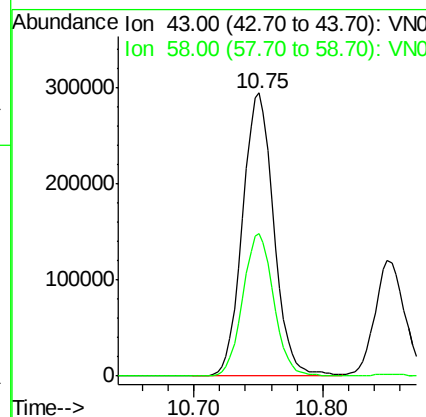
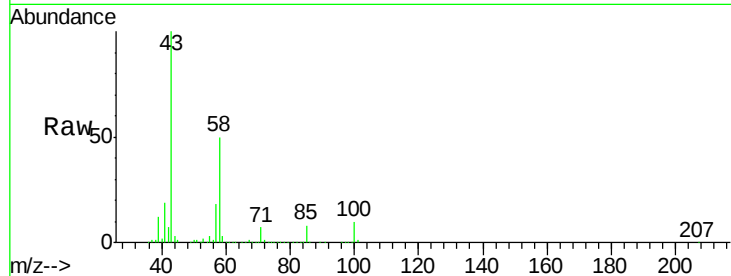
#59
2-Hexanone
Concen: 108.997 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	43	Resp	492977
Ion Ratio	Lower	Upper	
43	100		
58	50.2	25.6	76.8

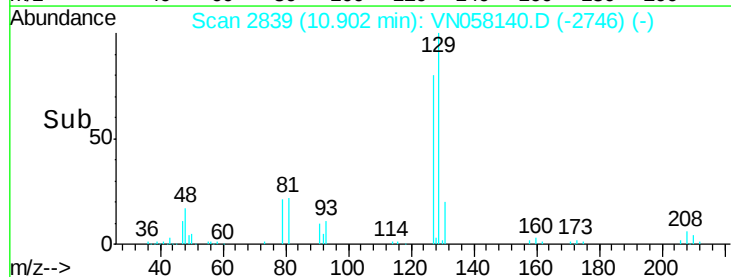
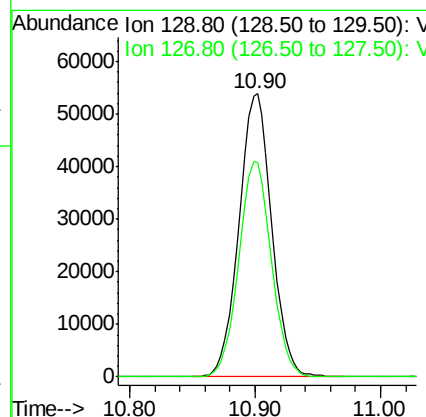
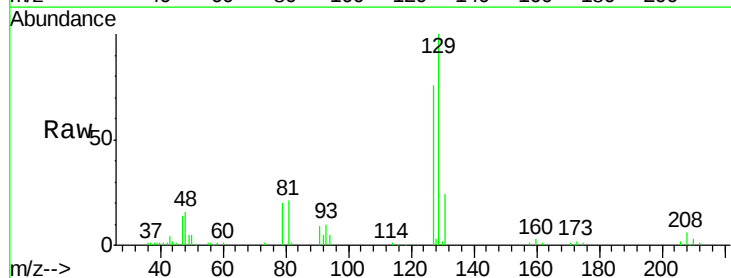
Manual Integrations
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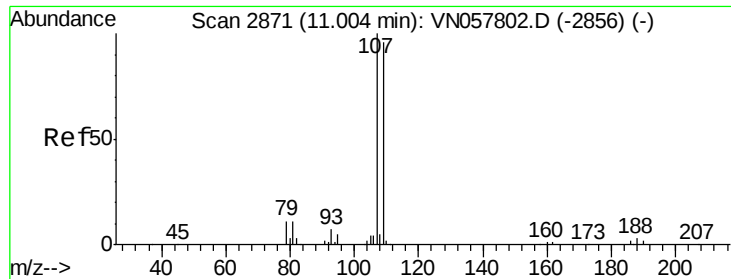
MMDadoda
9/18/2019 4:41:31 PM



#60
Dibromochloromethane
Concen: 22.274 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion	129	Resp	97502
Ion Ratio	Lower	Upper	
129	100		
127	75.8	38.6	116.0





#61

1,2-Dibromoethane

Concen: 21.635 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 107 Resp: 96415

Ion Ratio Lower Upper

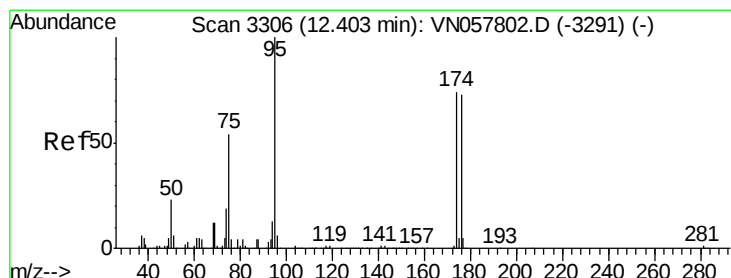
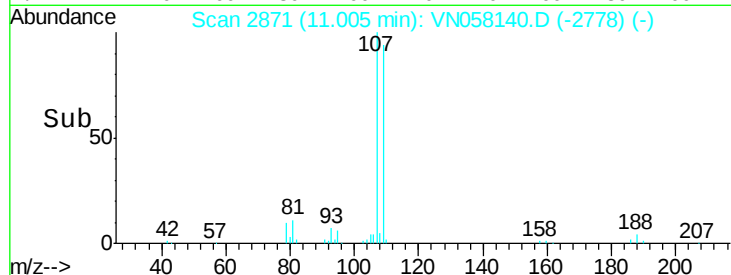
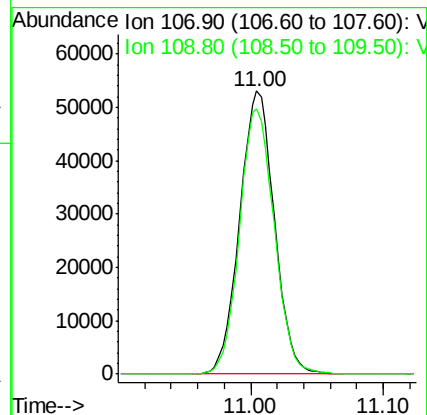
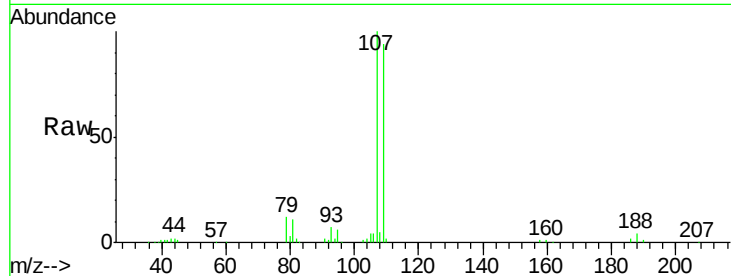
107 100

109 93.8 75.3 112.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.921 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

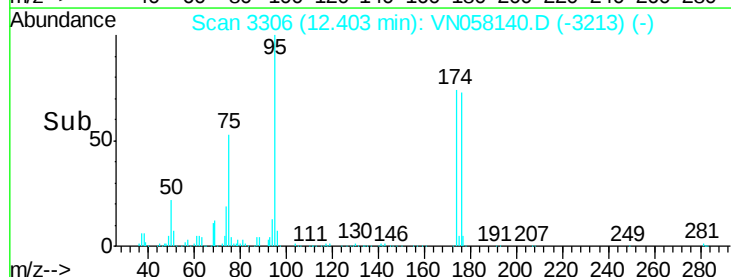
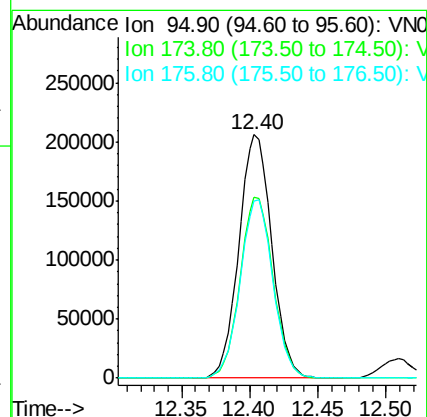
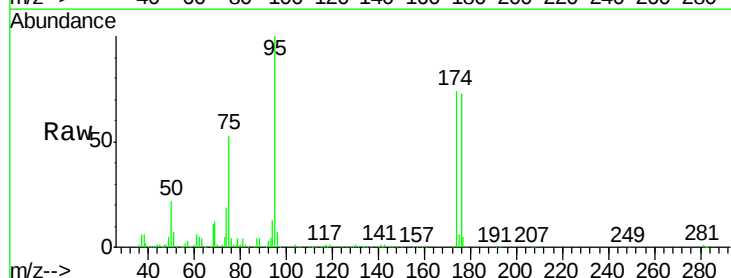
Tgt Ion: 95 Resp: 344982

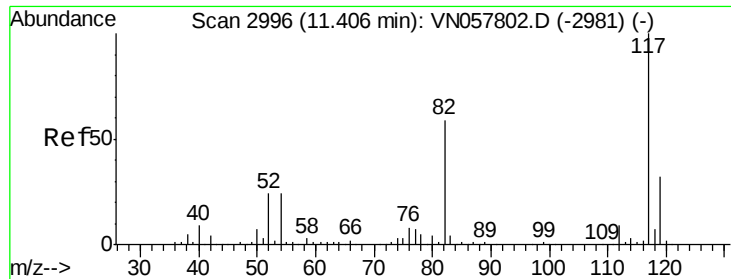
Ion Ratio Lower Upper

95 100

174 74.7 0.0 150.2

176 73.0 0.0 146.0





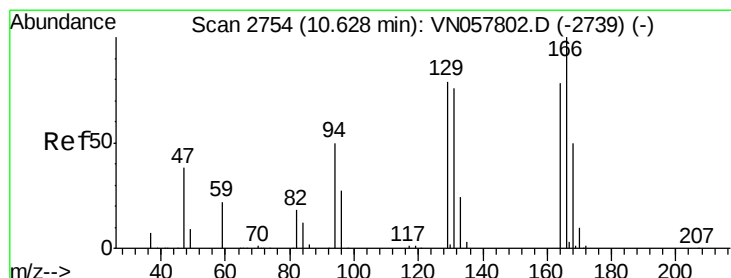
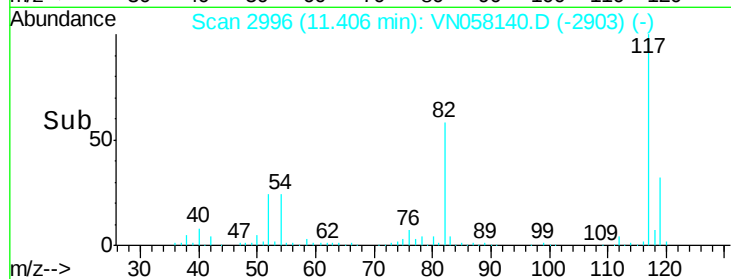
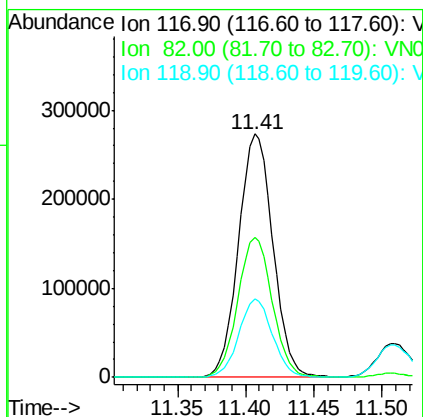
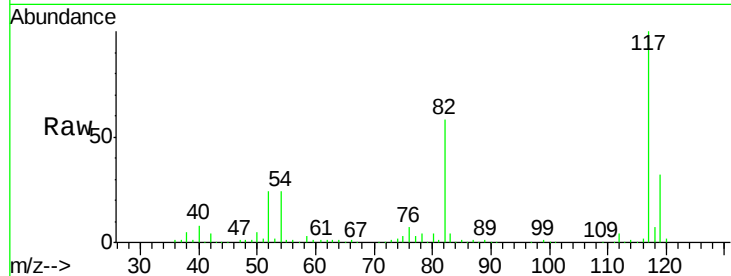
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.2	70.8
119	32.0	25.3	37.9

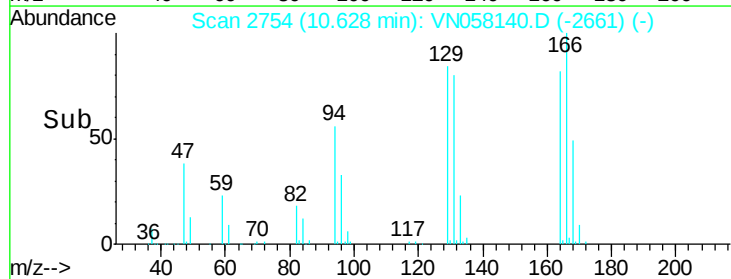
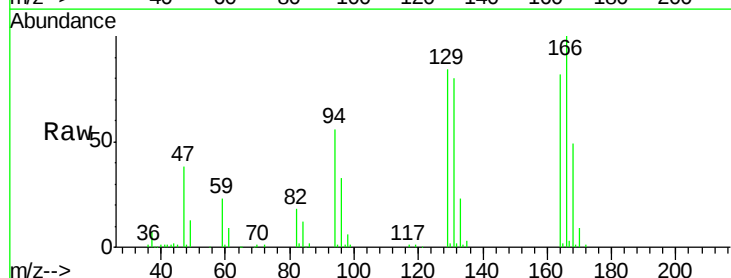
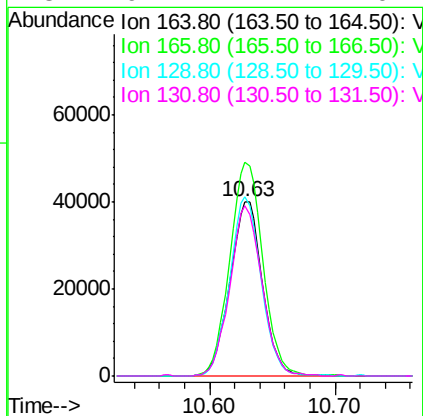
Manual Integrations
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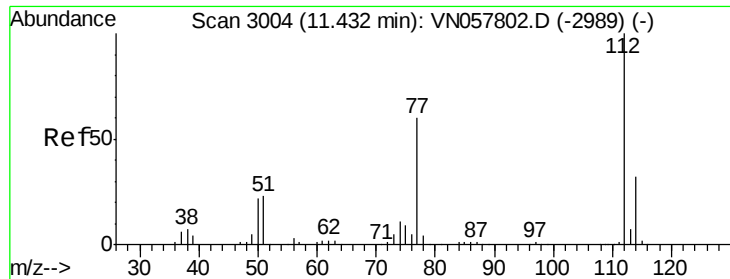
MMDadoda
9/18/2019 4:41:31 PM



#64
Tetrachloroethene
Concen: 20.357 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	102.2	153.2
129	102.9	80.8	121.2
131	97.7	77.4	116.2





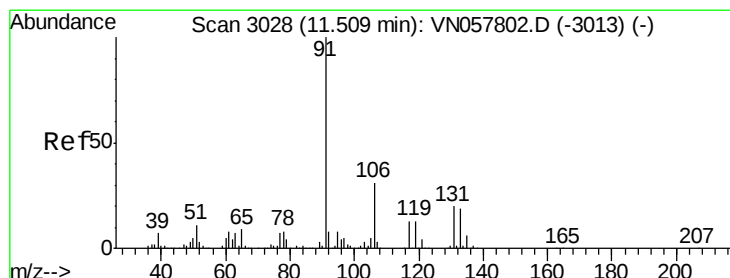
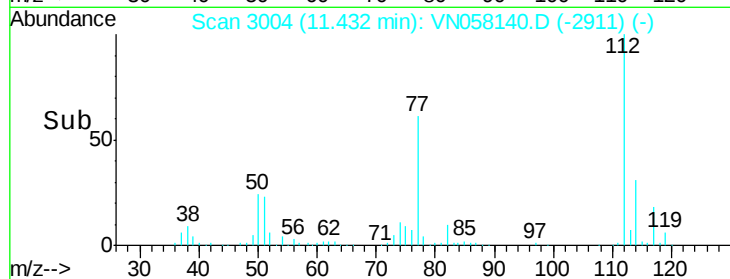
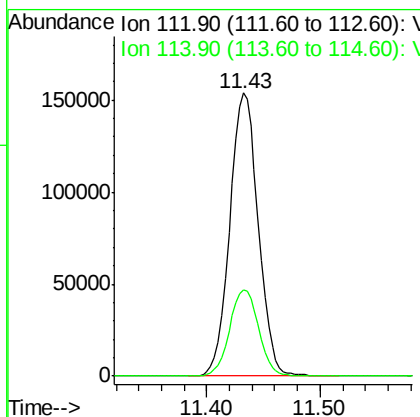
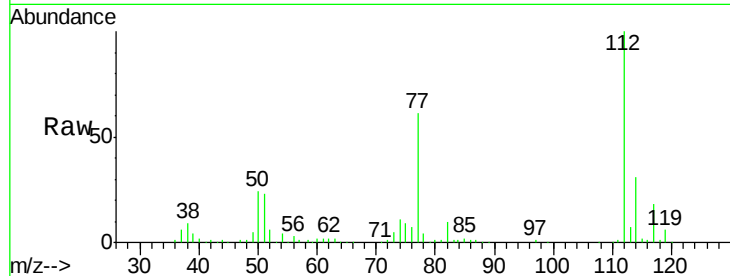
#65
Chlorobenzene
Concen: 21.473 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion:112 Resp: 268630
Ion Ratio Lower Upper
112 100
114 30.7 25.2 37.8

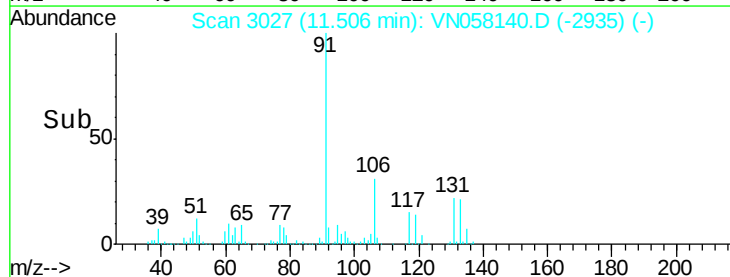
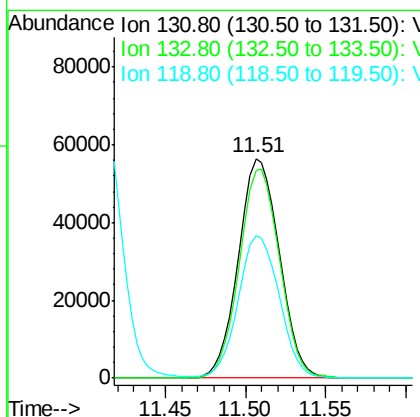
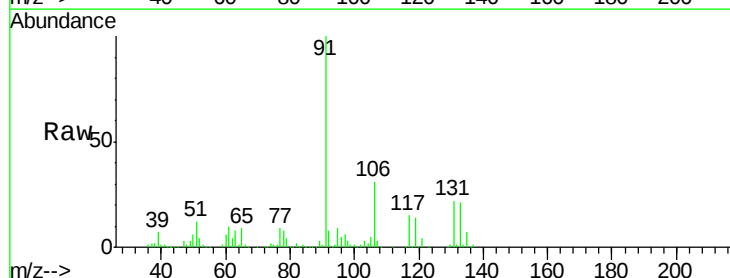
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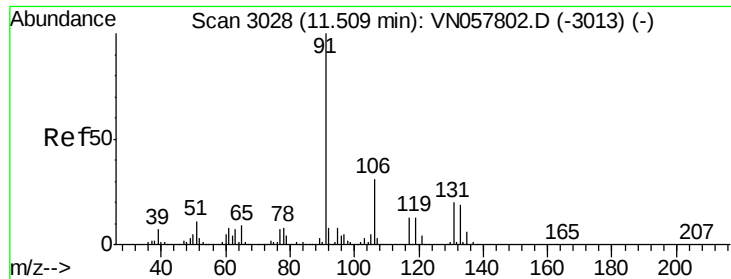
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.730 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion:131 Resp: 98669
Ion Ratio Lower Upper
131 100
133 93.6 47.1 141.3
119 64.3 33.3 99.8





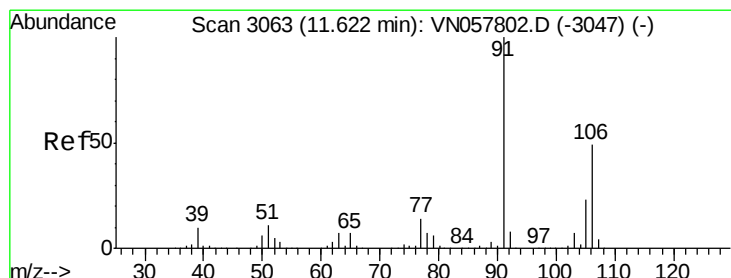
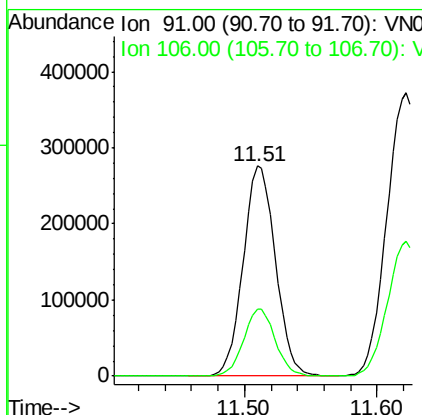
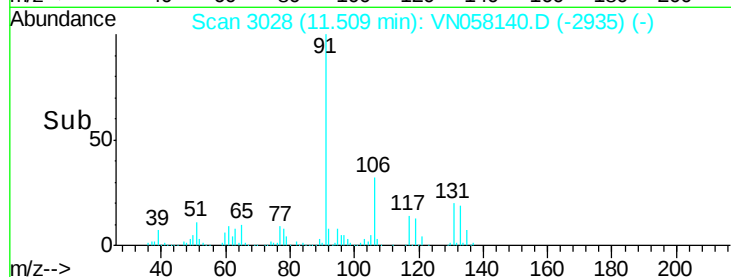
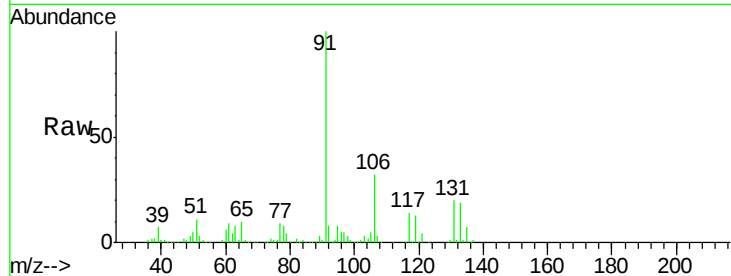
#67
Ethyl Benzene
Concen: 21.370 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion: 91 Resp: 468525
Ion Ratio Lower Upper
91 100
106 31.6 24.4 36.6

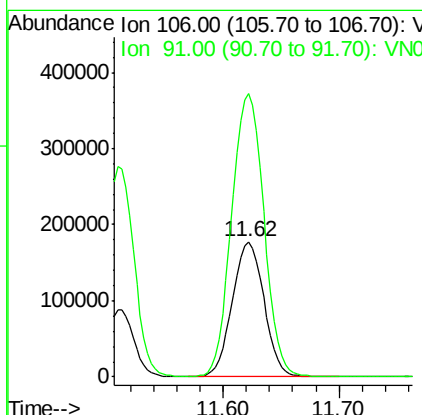
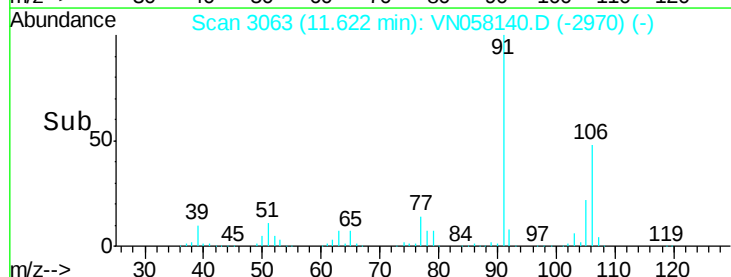
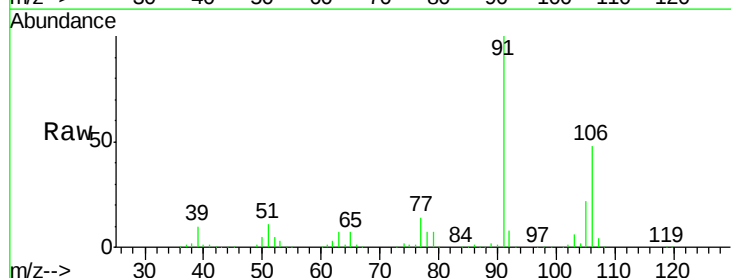
Manual Integrations
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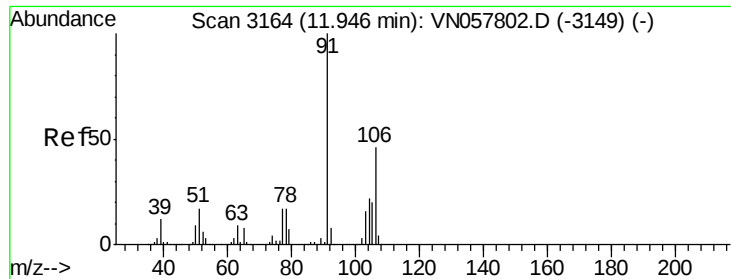
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#68
m/p-Xylenes
Concen: 41.833 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion: 106 Resp: 335963
Ion Ratio Lower Upper
106 100
91 214.1 165.8 248.6





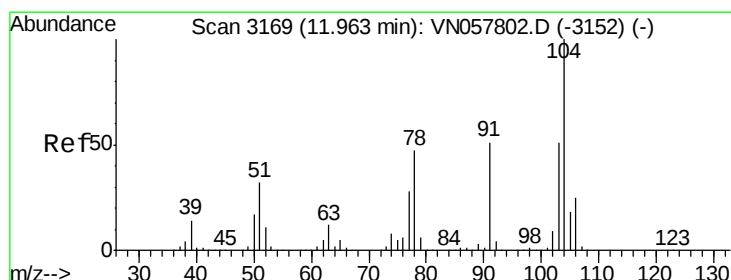
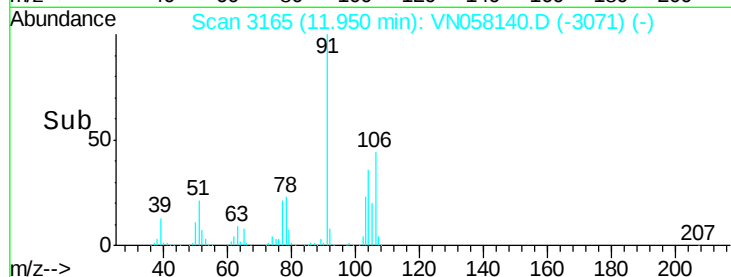
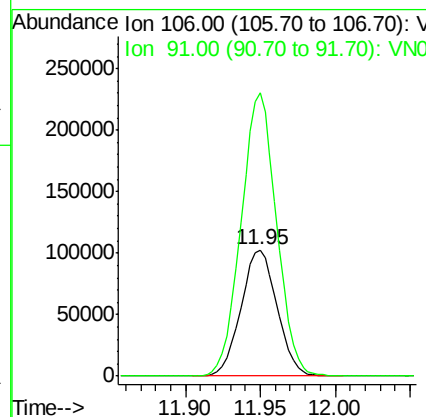
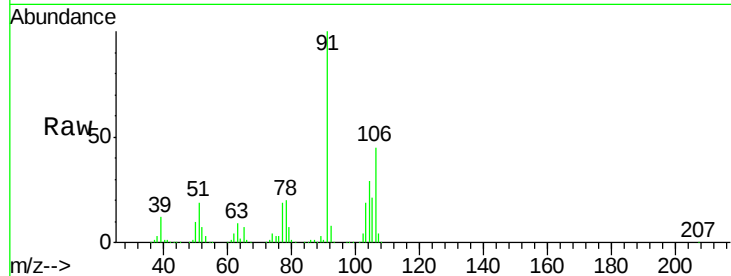
#69
o-Xylene
Concen: 21.545 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampled :
VN0917WBS01

Tot Ion:106 Resp: 172018
Ion Ratio Lower Upper
106 100
91 220.3 108.7 326.1

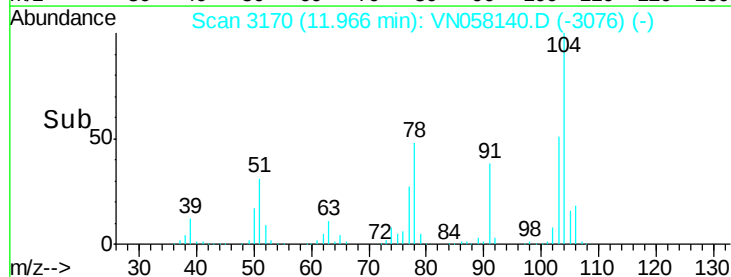
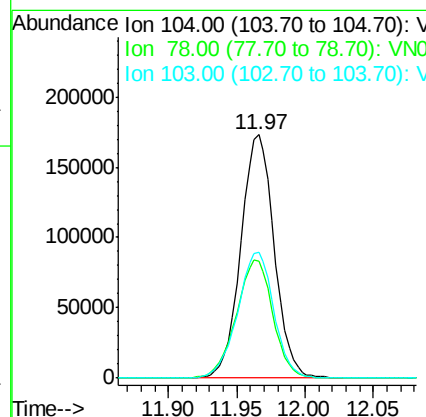
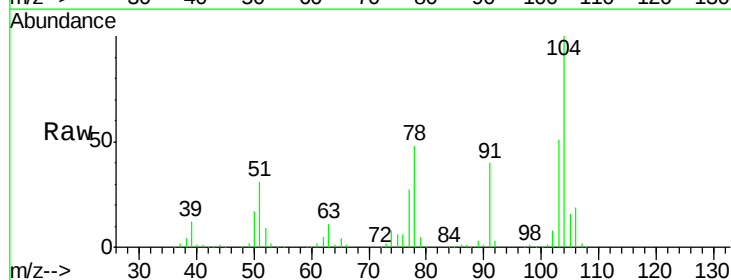
Manual Integrations
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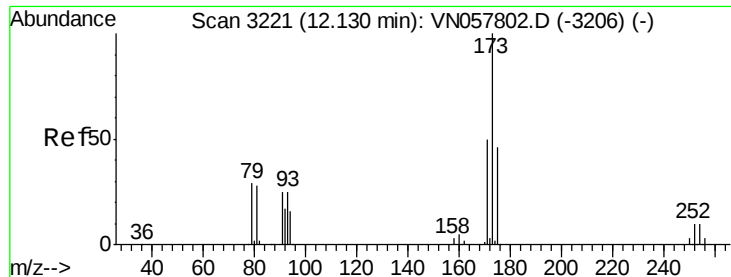
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#70
Styrene
Concen: 21.447 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion:104 Resp: 294685
Ion Ratio Lower Upper
104 100
78 53.4 41.3 61.9
103 55.9 43.7 65.5





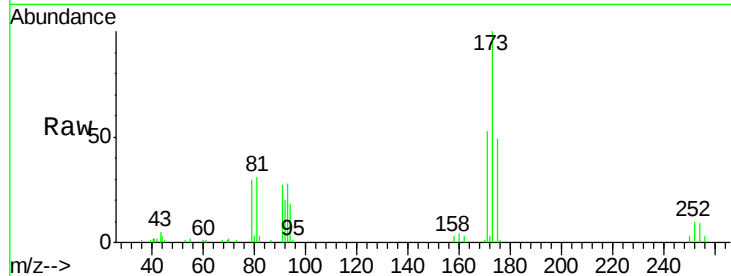
#71
Bromoform
Concen: 21.374 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

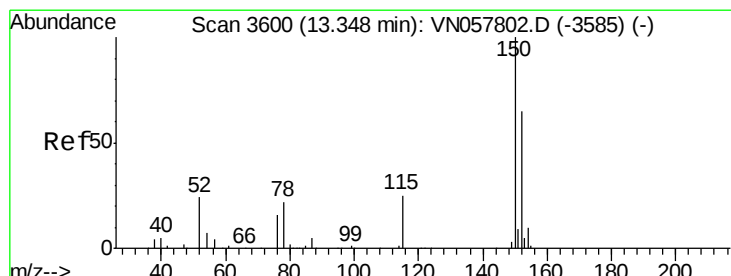
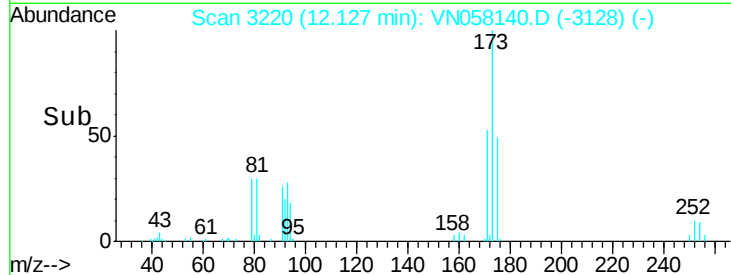
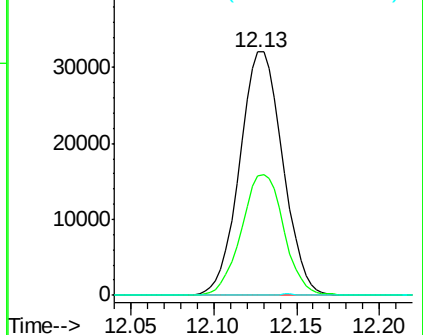
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.5	70.6
254	0.1	0.1	0.1

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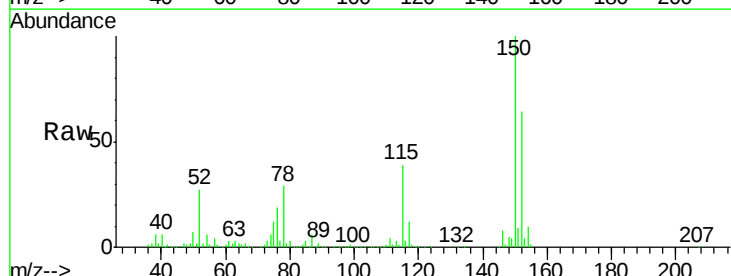


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

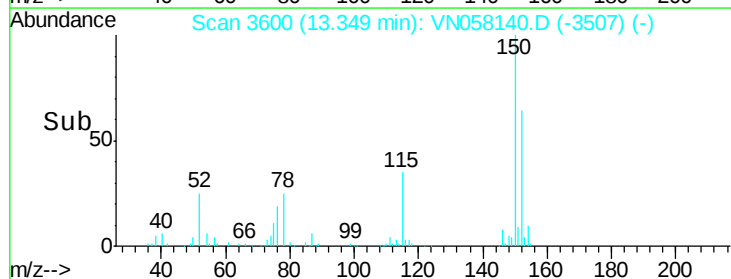
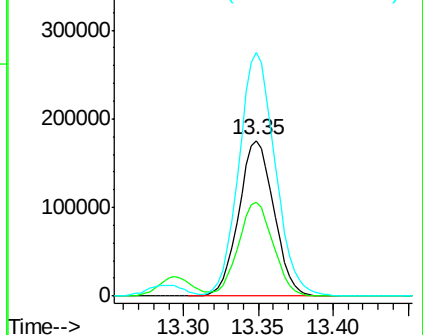


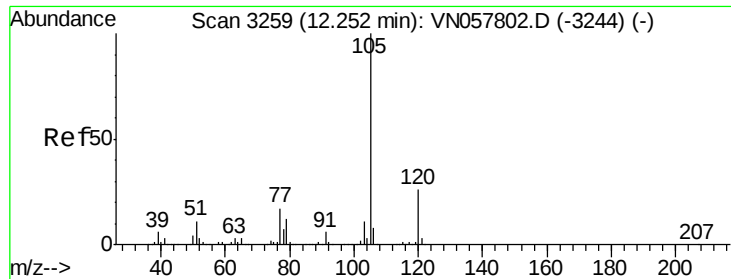
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.3	91.0
150	162.0	0.0	352.4



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





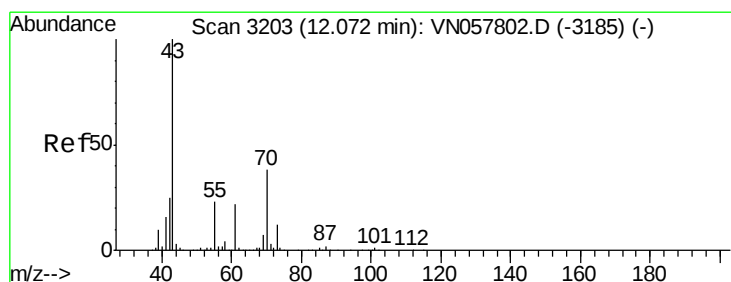
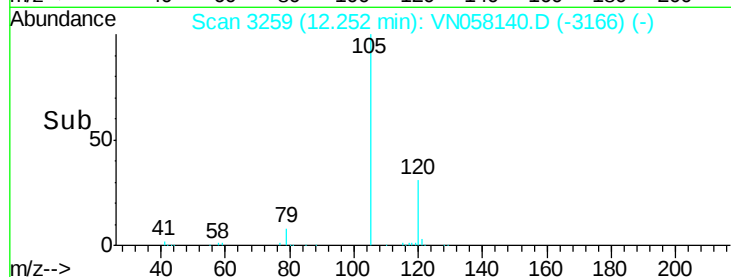
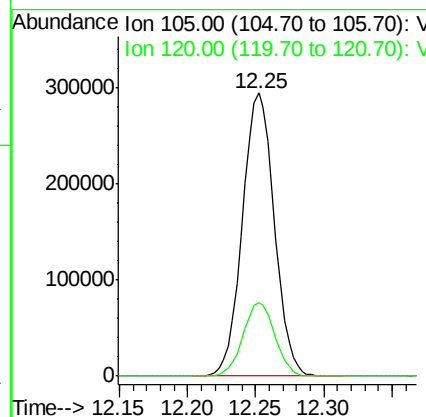
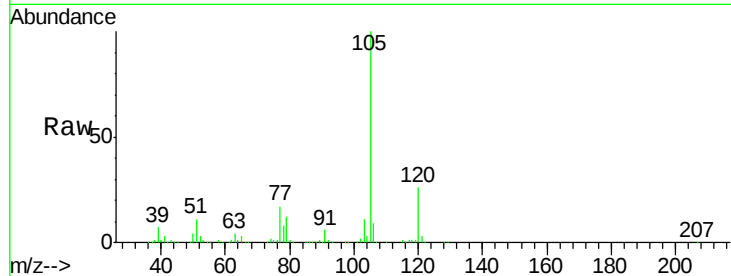
#73
Isopropylbenzene
Concen: 21.517 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

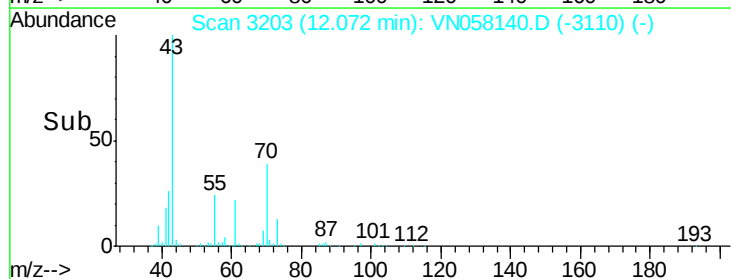
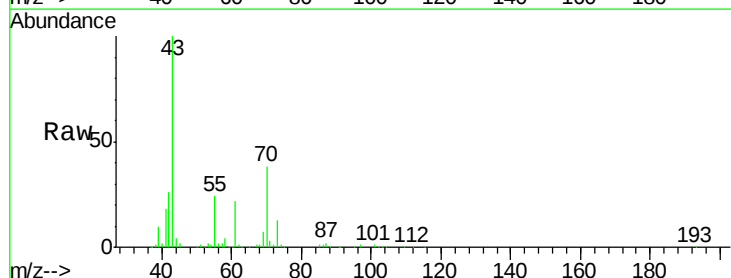
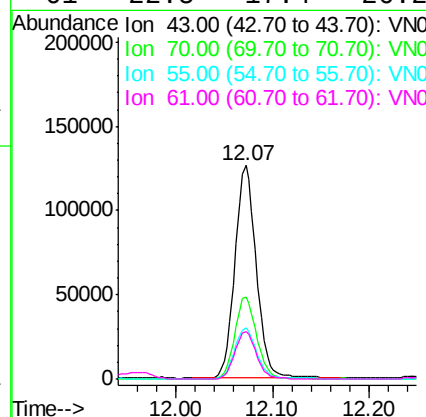
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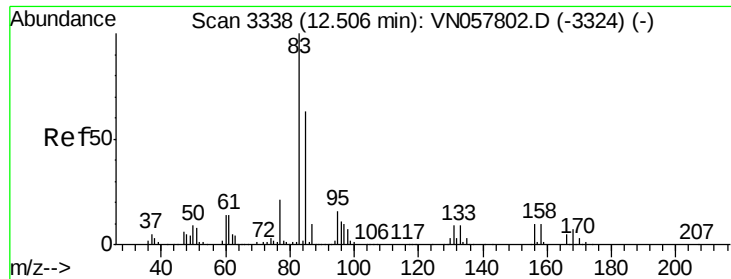
MMDadoda
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#74
N-ethyl acetate
Concen: 20.250 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058140.D
Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.6	30.6	45.8
55	24.8	18.6	27.8
61	22.5	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.526 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

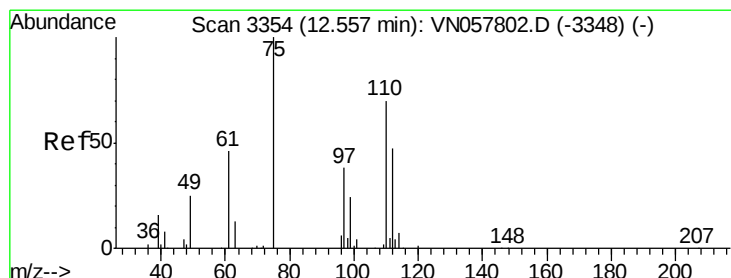
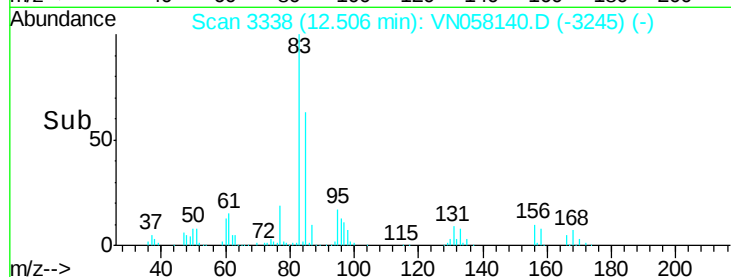
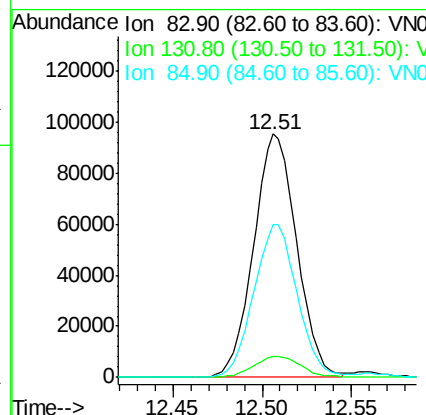
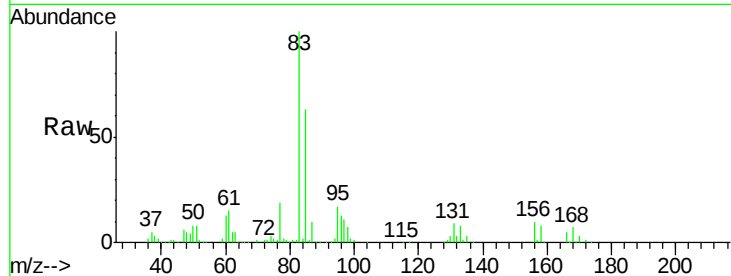
ClientSampleId :

VN0917WBS01

Tot Ion:	83	Resp:	160973
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	63.4	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.719 ug/l m

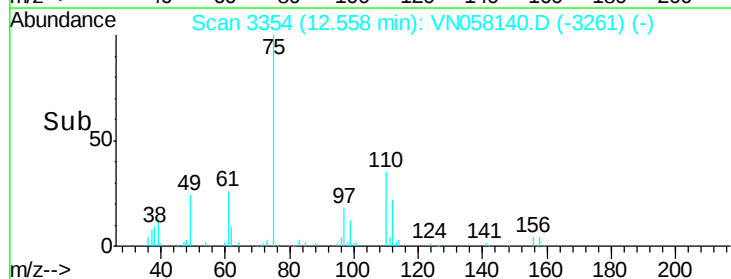
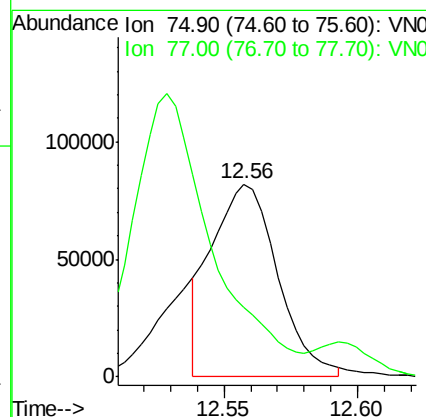
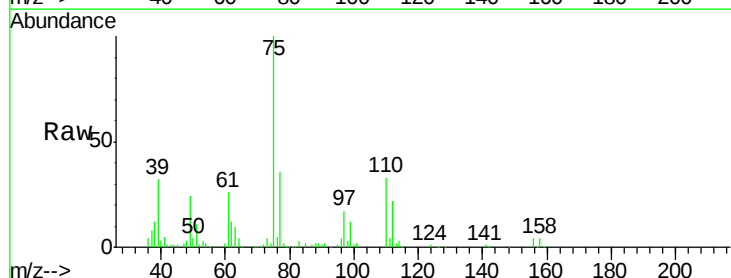
RT: 12.56 min Scan# 3354

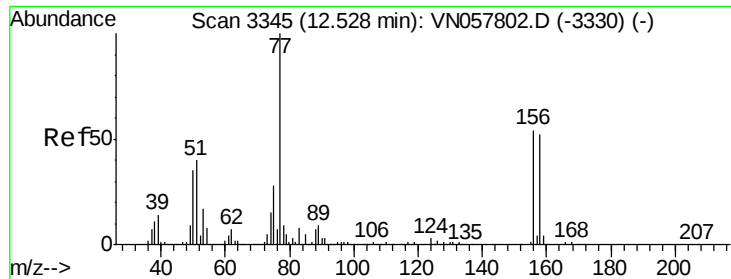
Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Tgt Ion:	75	Resp:	140623
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.929 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

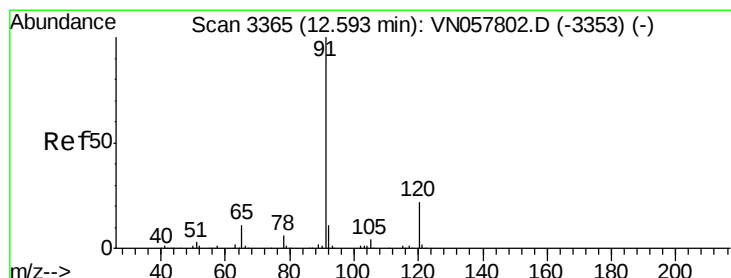
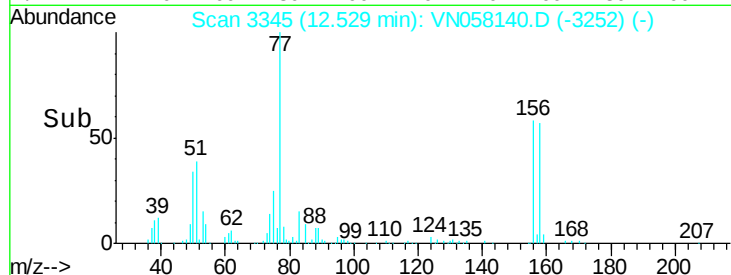
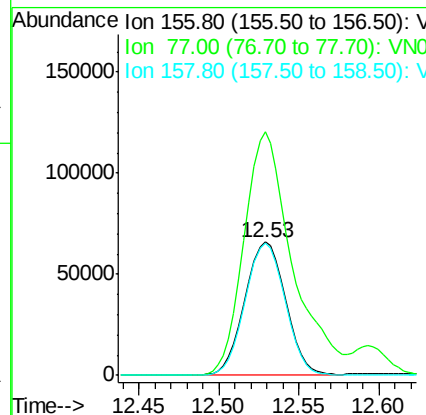
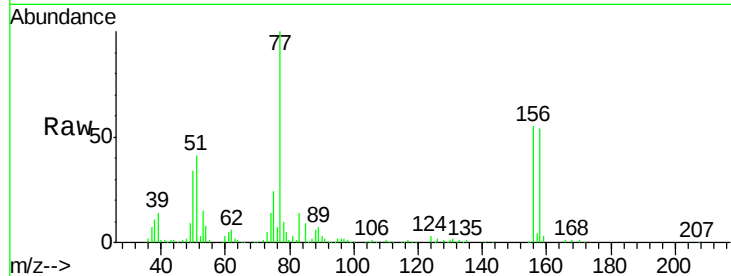
ClientSampleId :

VN0917WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	216.2	113.7	341.1
158	96.5	48.5	145.6

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#78

n-propylbenzene

Concen: 21.727 ug/l

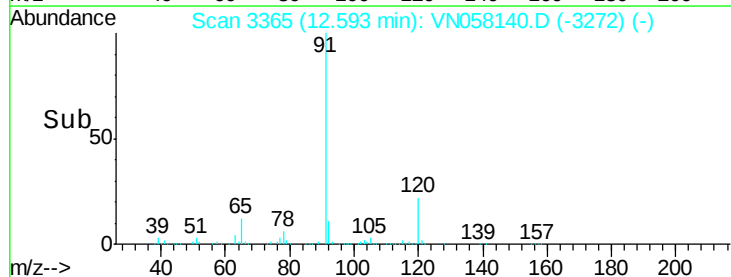
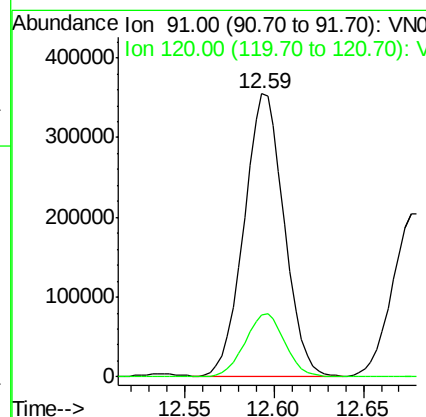
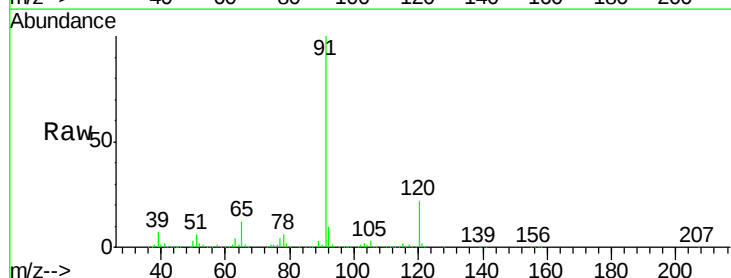
RT: 12.59 min Scan# 3365

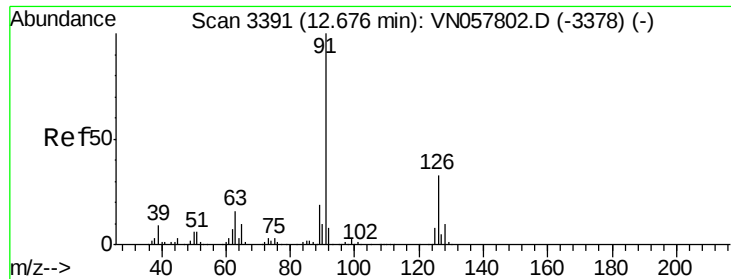
Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1





#79

2-Chlorotoluene

Concen: 20.749 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 91 Resp: 334449

Ion Ratio Lower Upper

91 100

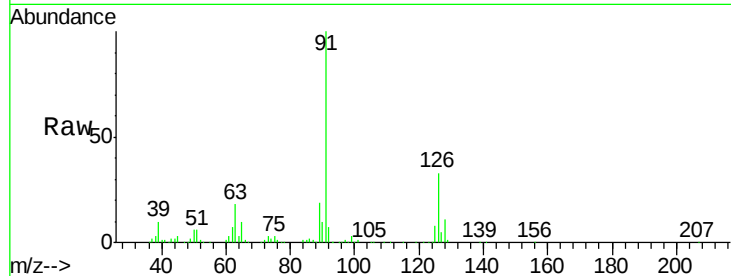
126 33.1 16.4 49.2

Manual Integrations

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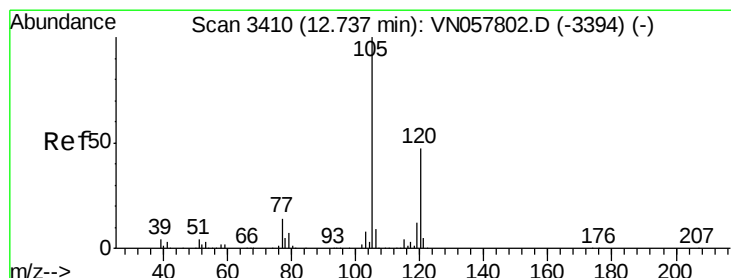
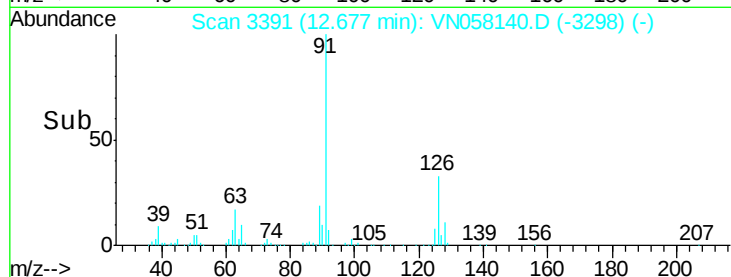
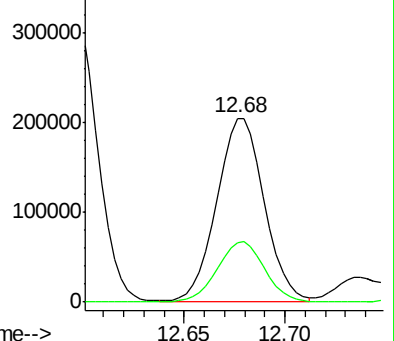
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Abundance Ion 91.00 (90.70 to 91.70): VN058140.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN058140.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.711 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058140.D

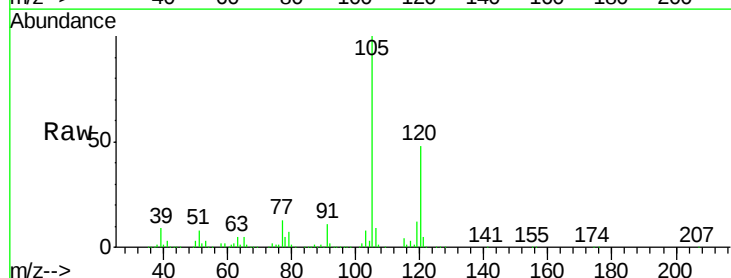
Acq: 17 Sep 2019 11:43

Tgt Ion: 105 Resp: 407432

Ion Ratio Lower Upper

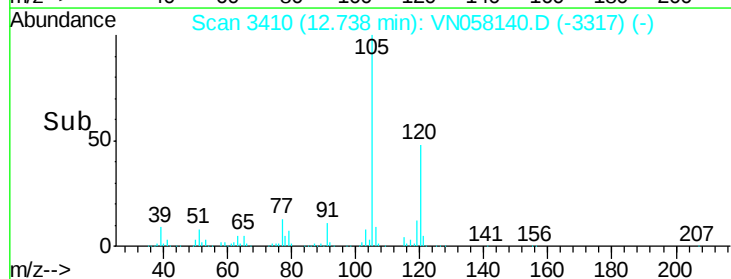
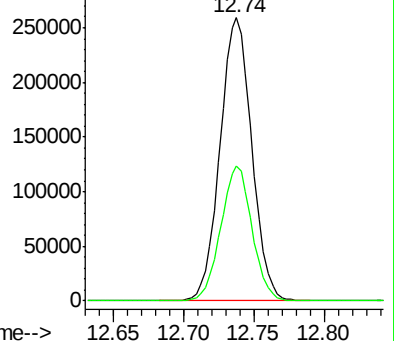
105 100

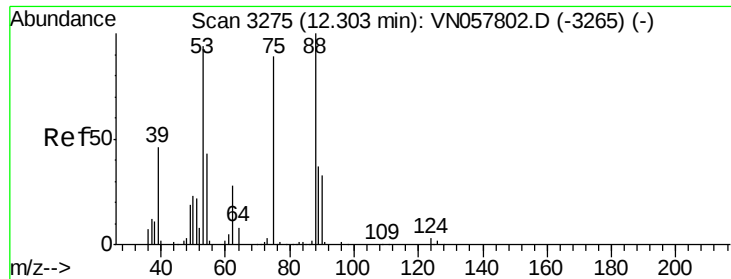
120 46.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN058140.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058140.D (-3410) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.410 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

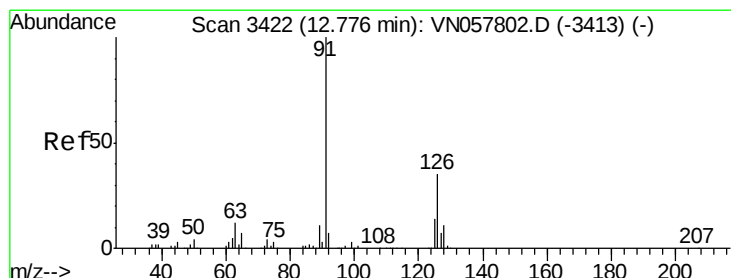
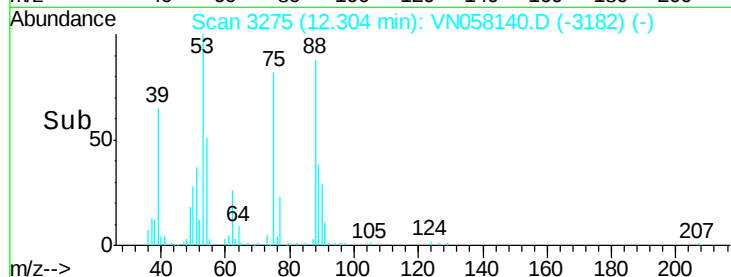
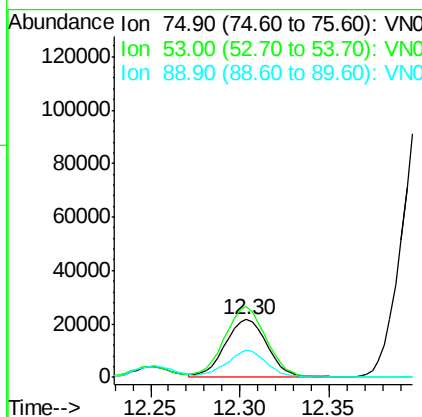
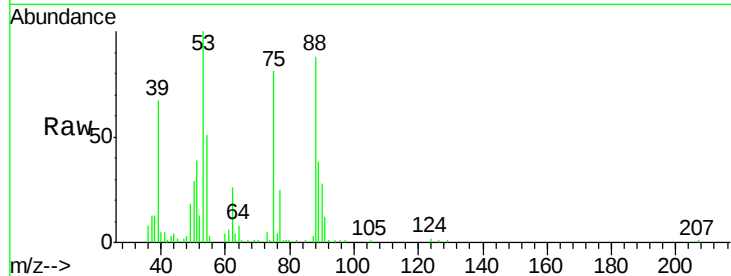
ClientSampleId :

VN0917WBS01

Tot Ion:	75	Resp:	35713
Ion	Ratio	Lower	Upper
75	100		
53	122.6	88.4	132.6
89	44.4	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.742 ug/l

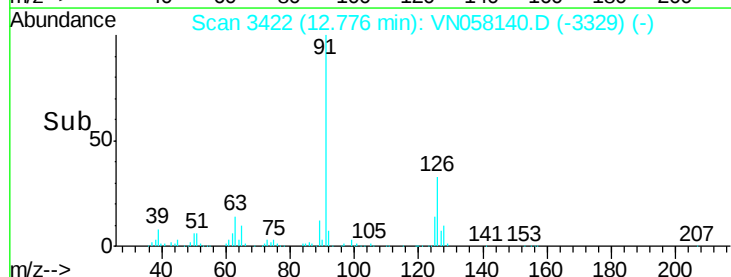
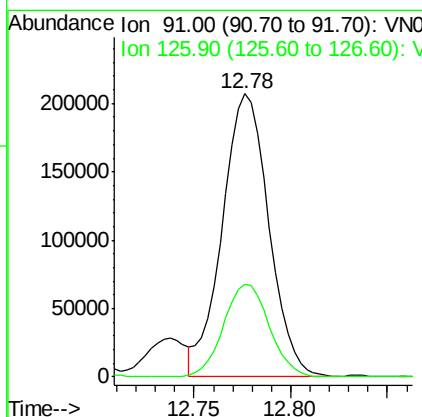
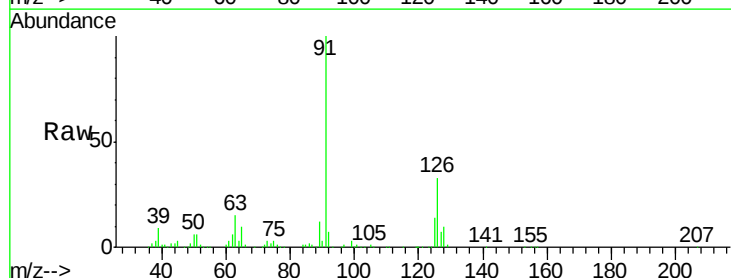
RT: 12.78 min Scan# 3422

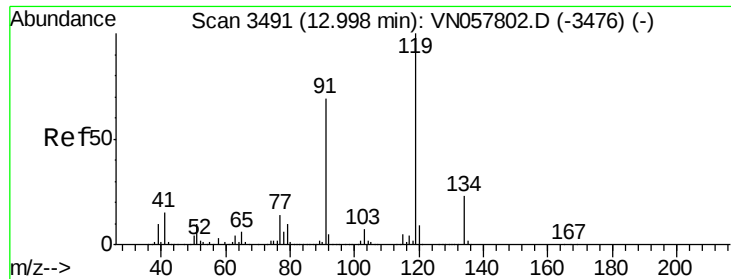
Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Tgt Ion:	91	Resp:	343347
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.0	48.0





#83

tert-Butylbenzene

Concen: 21.007 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

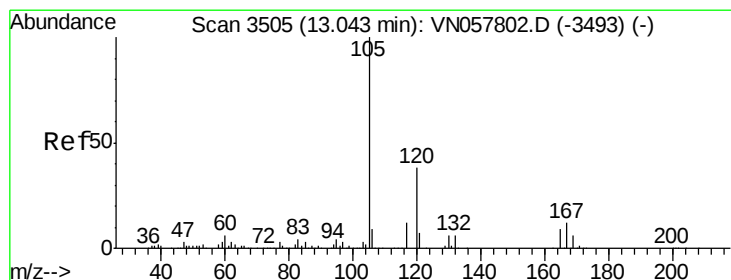
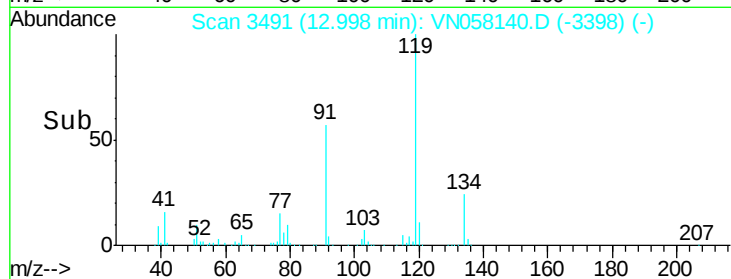
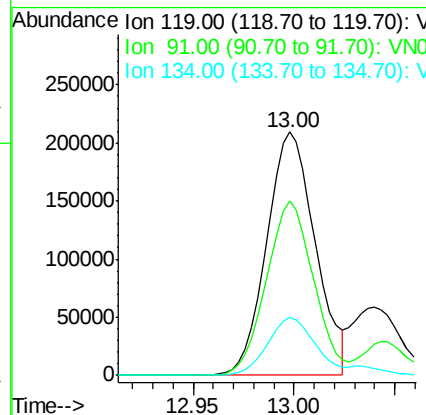
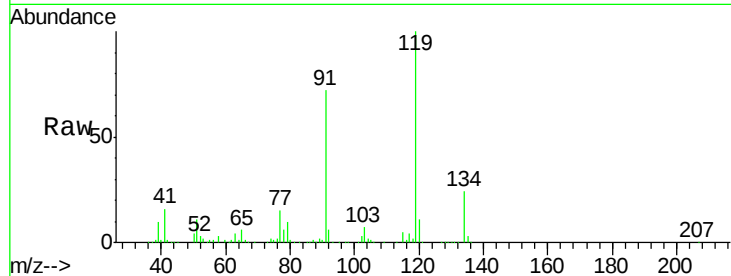
ClientSampleId :

VN0917WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.4	33.6	100.8
134	23.6	11.7	35.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.524 ug/l

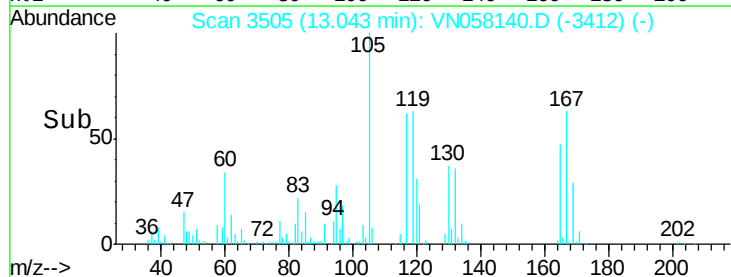
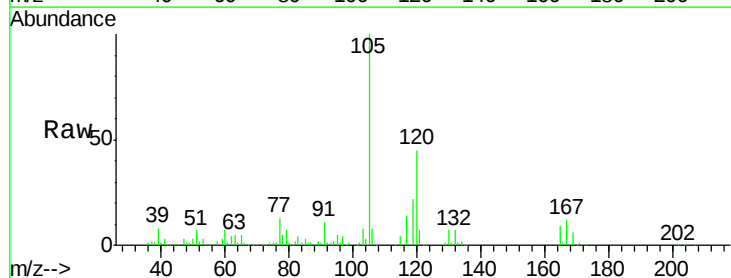
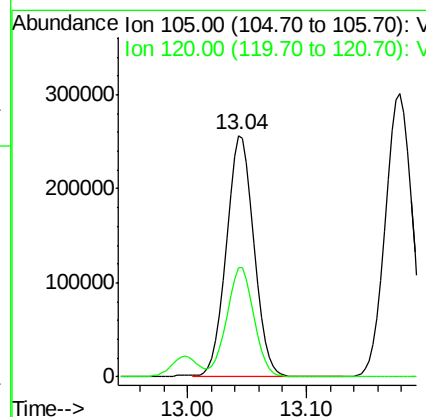
RT: 13.04 min Scan# 3505

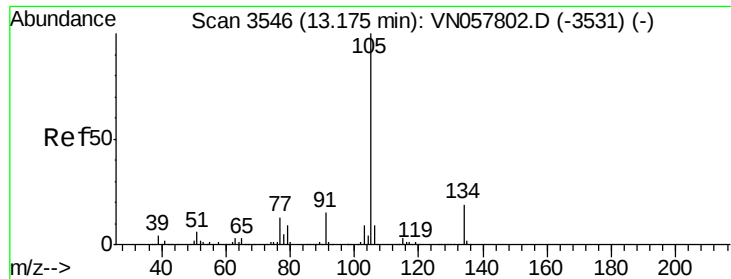
Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.2





#85

sec-Butylbenzene

Concen: 21.607 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion:105 Resp: 477725

Ion Ratio Lower Upper

105 100

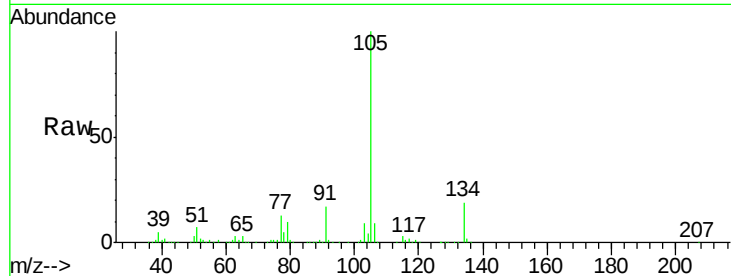
134 18.9 9.6 28.6

Manual Integrations

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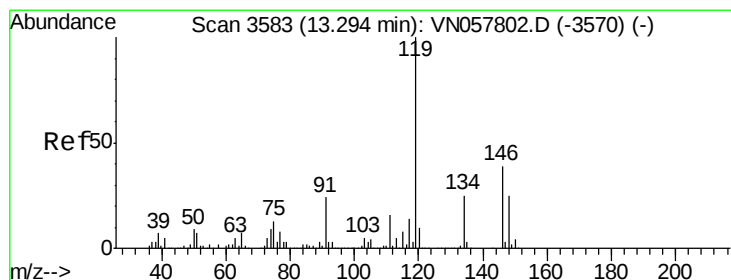
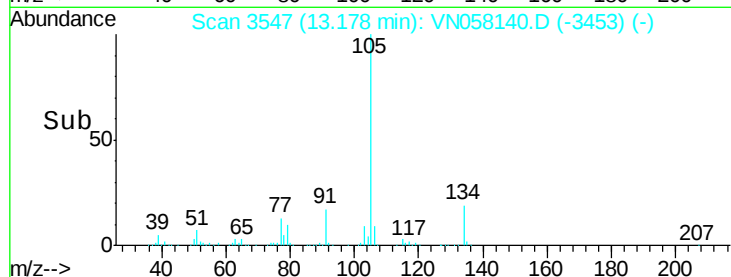
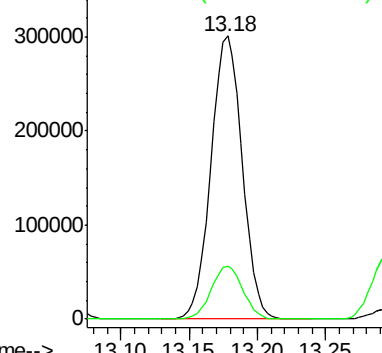
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.730 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

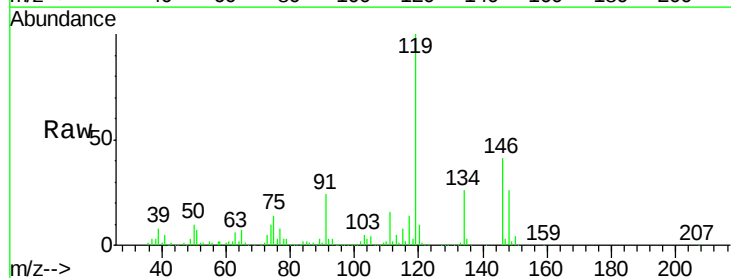
Tgt Ion:119 Resp: 423320

Ion Ratio Lower Upper

119 100

134 25.4 12.5 37.5

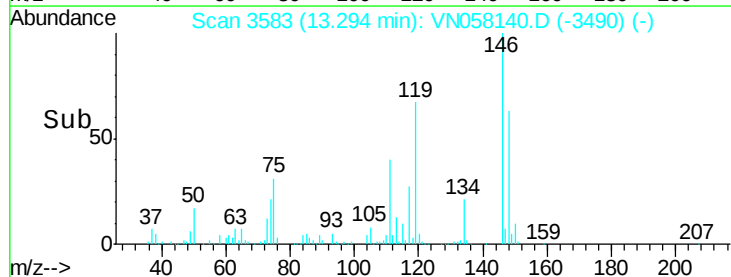
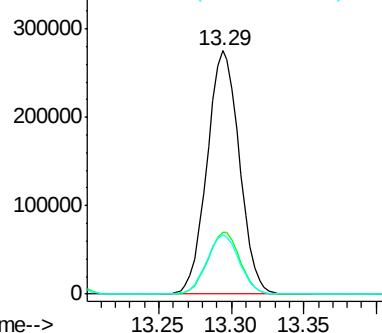
91 24.5 12.3 36.8

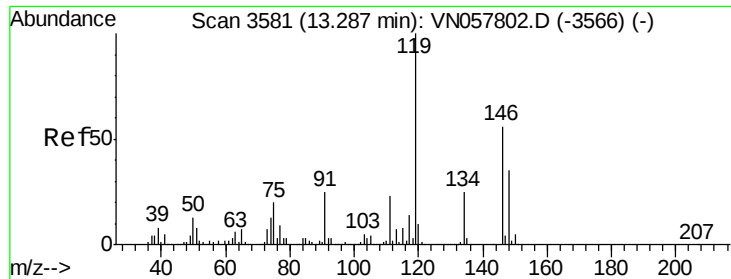


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





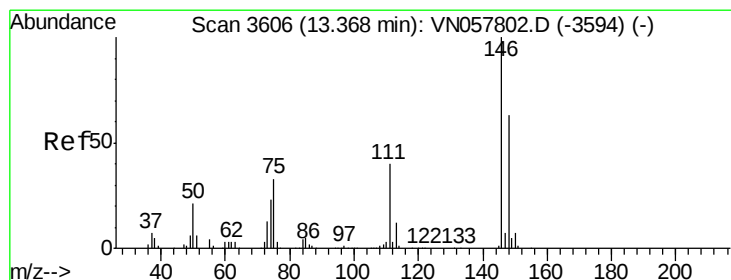
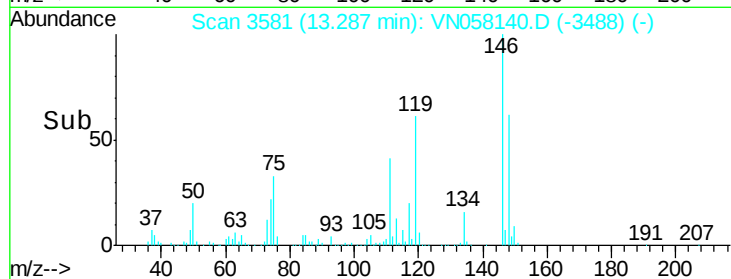
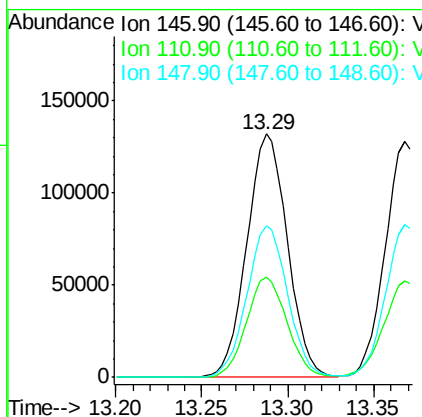
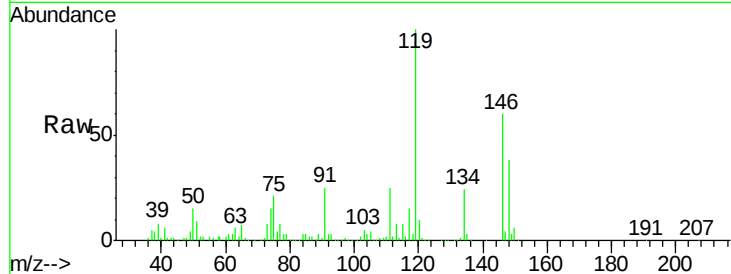
#87
 1,3-Dichlorobenzene
 Concen: 21.283 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	216319		
111	41.2	20.5	61.6	
148	62.4	31.5	94.5	

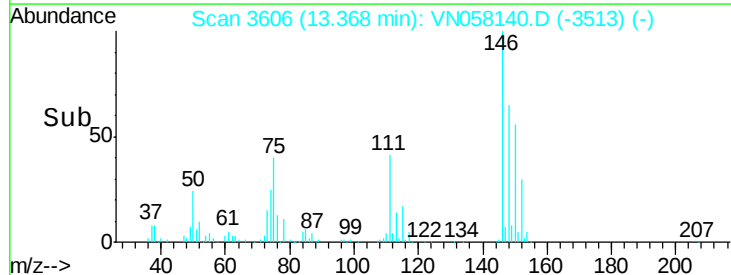
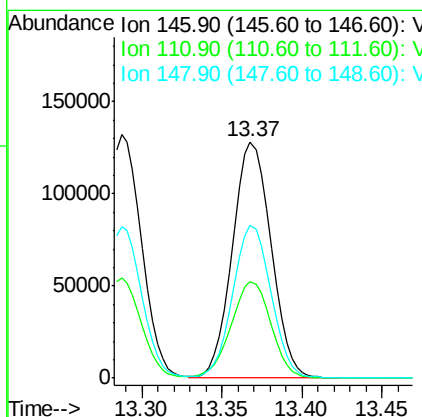
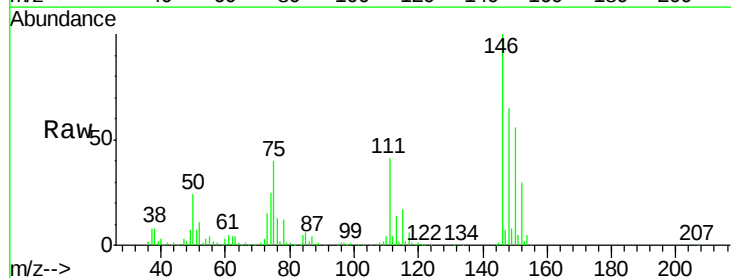
Manual Integrations
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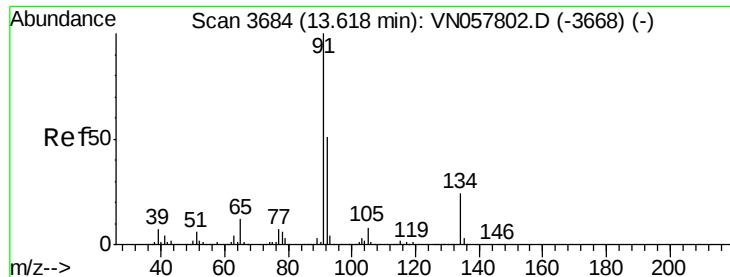
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 9/18/2019 4:41:31 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.367 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	210121		
111	42.4	20.4	61.2	
148	64.2	31.8	95.4	





#89

n-Butylbenzene

Concen: 21.077 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

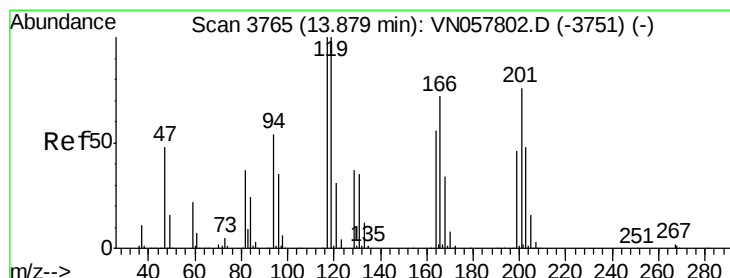
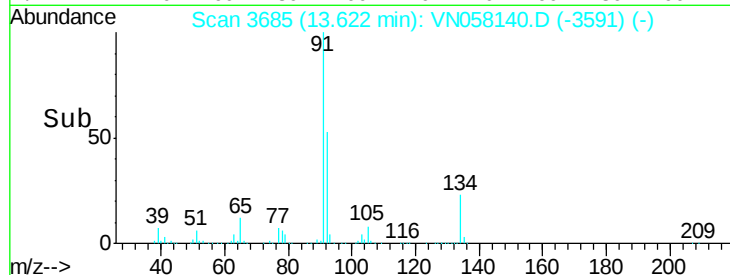
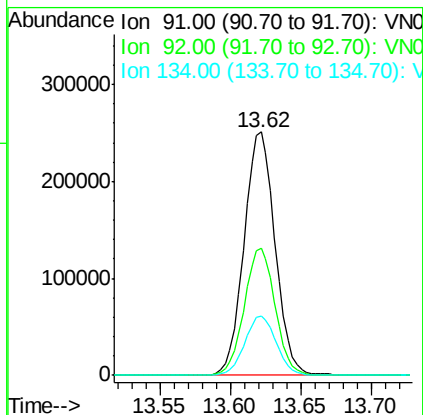
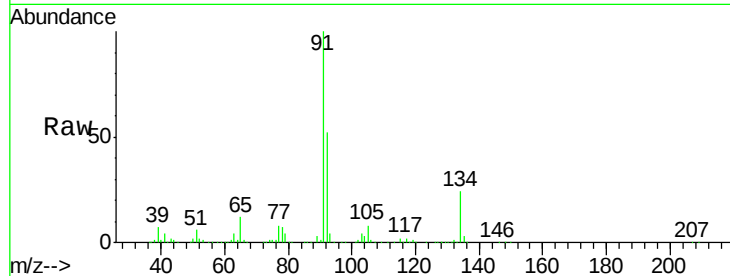
ClientSampleId :

VN0917WBS01

Tot Ion:	91	Resp:	387744
Ion Ratio	Lower	Upper	
91	100		
92	52.0	25.7	77.0
134	24.9	11.9	35.7

Manual Integrations
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#90

Hexachloroethane

Concen: 20.633 ug/l

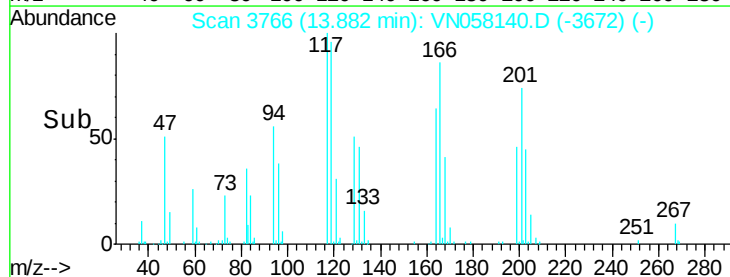
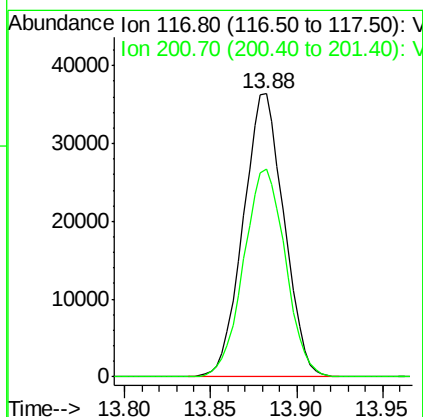
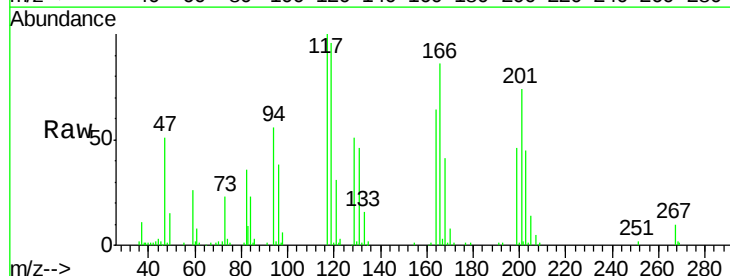
RT: 13.88 min Scan# 3766

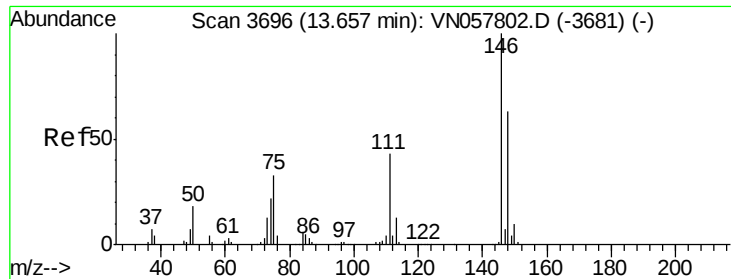
Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Tgt Ion:	117	Resp:	59779
Ion Ratio	Lower	Upper	
117	100		
201	75.1	37.5	112.7





#91

1,2-Dichlorobenzene

Concen: 21.254 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

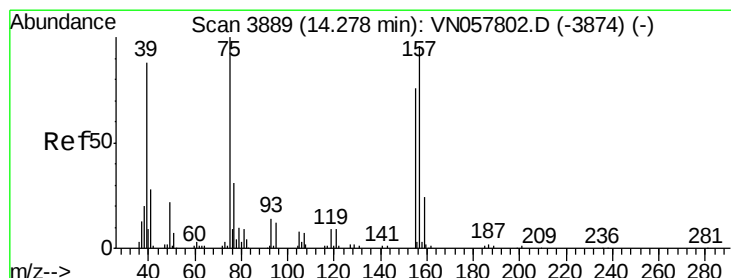
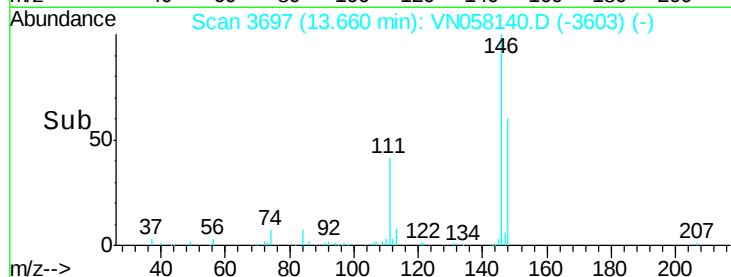
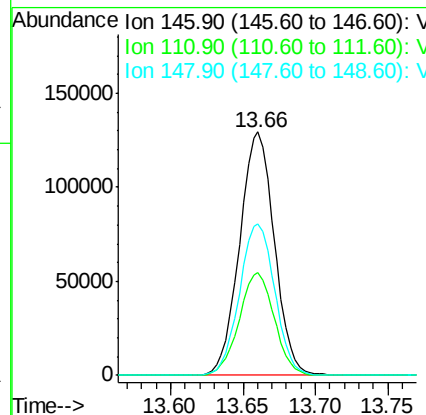
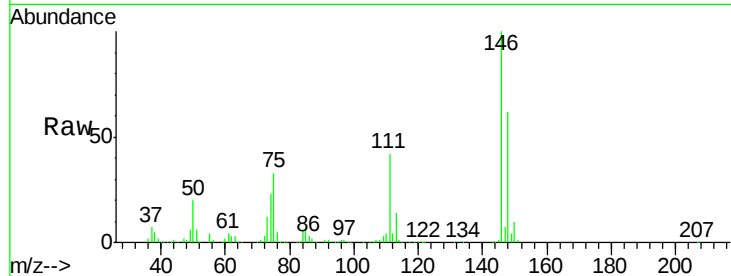
ClientSampleId :

VN0917WBS01

Tot Ion:	146	Resp:	215814
Ion Ratio	Lower	Upper	
146	100		
111	42.7	21.3	63.9
148	63.3	31.4	94.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.889 ug/l

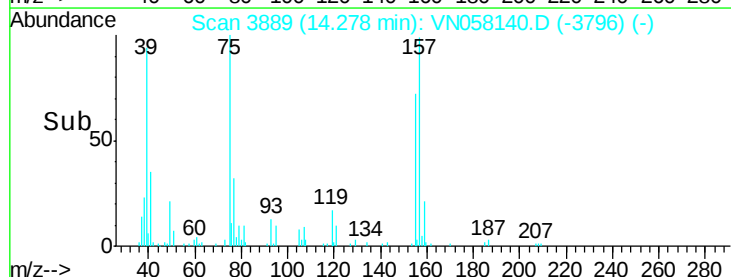
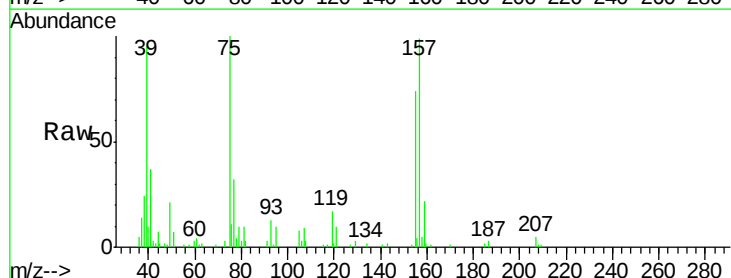
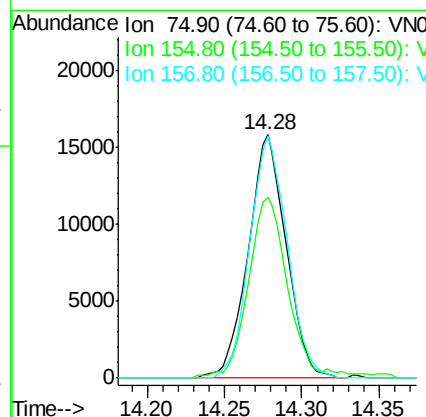
RT: 14.28 min Scan# 3889

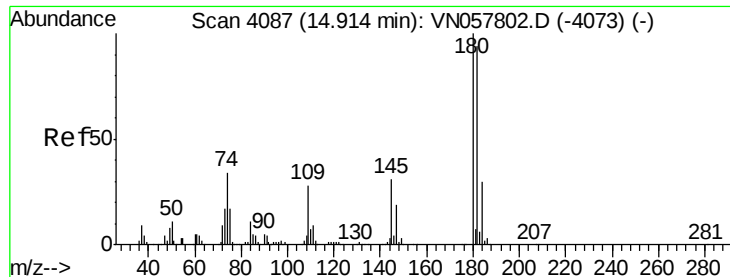
Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Tgt Ion:	75	Resp:	27032
Ion Ratio	Lower	Upper	
75	100		
155	75.2	37.3	111.8
157	98.4	47.9	143.8





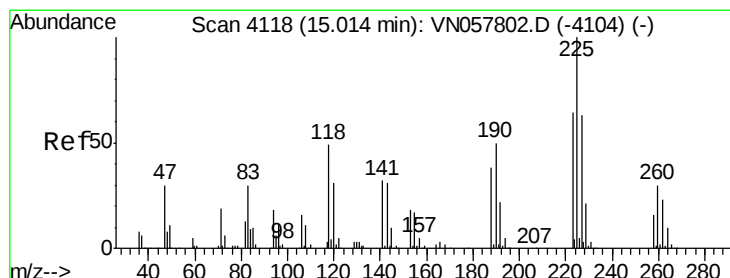
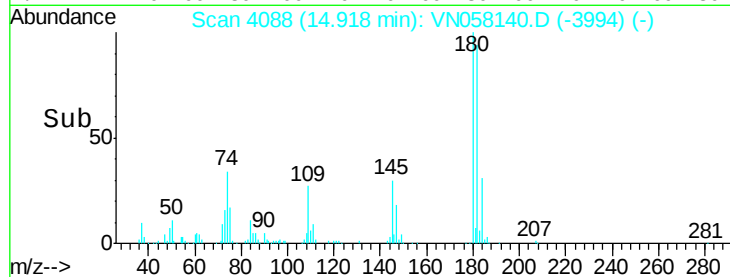
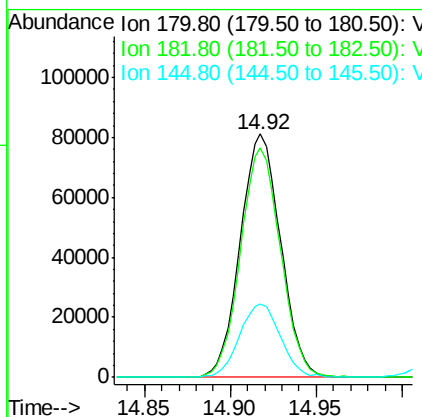
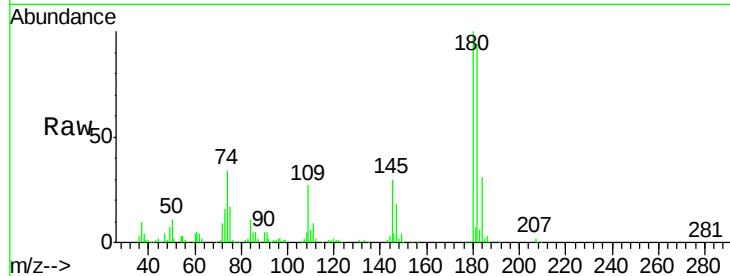
#93
 1,2,4-Trichlorobenzene
 Concen: 19.972 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion:	180	Resp:	132551
Ion Ratio	Lower	Upper	
180	100		
182	93.6	46.9	140.8
145	30.6	14.9	44.7

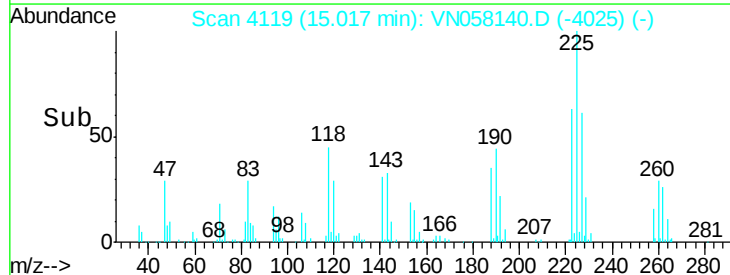
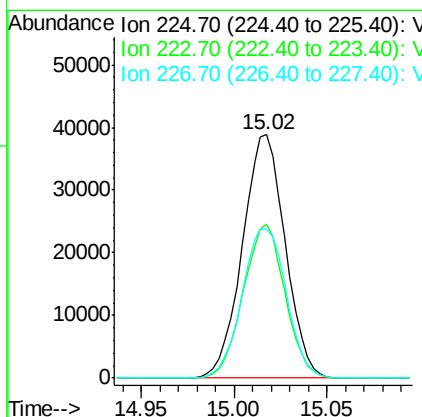
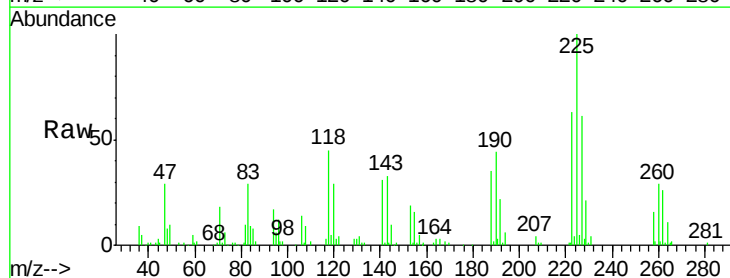
Manual Integrations
 APPROVED

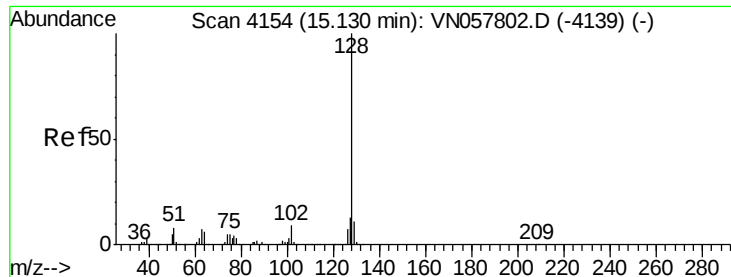
MMDadoda
 9/18/2019 4:41:31 PM



#94
 Hexachlorobutadiene
 Concen: 22.195 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058140.D
 Acq: 17 Sep 2019 11:43

Tgt Ion:	225	Resp:	62443
Ion Ratio	Lower	Upper	
225	100		
223	61.5	32.4	97.2
227	63.5	31.8	95.4





#95

Naphthalene

Concen: 20.360 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Instrument :

MSVOA_N

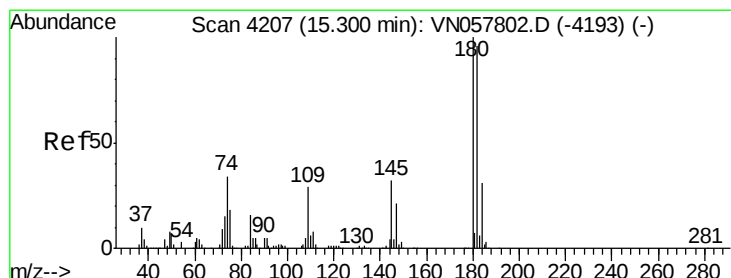
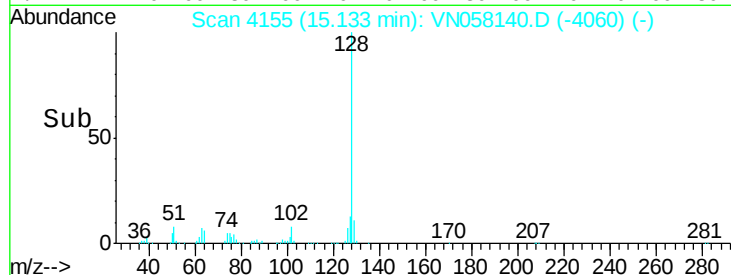
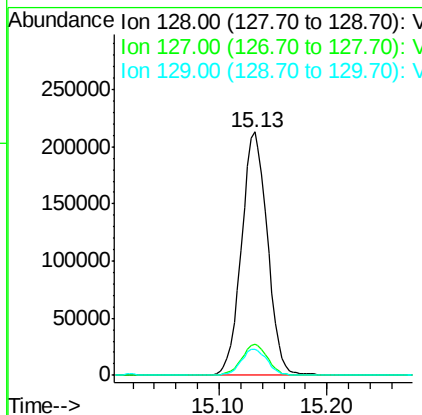
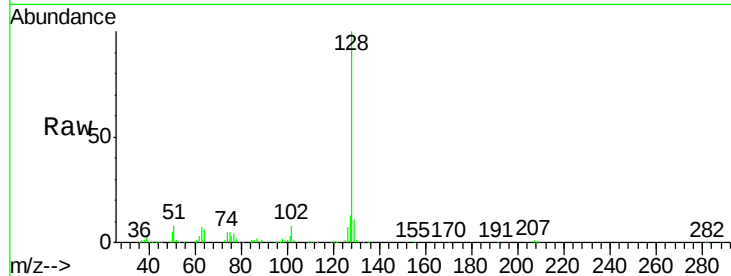
ClientSampleId :

VN0917WBS01

Tot Ion:	128	Resp:	356751
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/18/2019 4:41:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.842 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058140.D

Acq: 17 Sep 2019 11:43

Tgt Ion:	180	Resp:	123230
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.3	144.8
145	33.9	16.3	48.8

