

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057218.D
 Acq On : 12 Aug 2019 16:26
 Operator : JC/SP
 Sample : VN0812WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:23:13 AM

Quant Time: Aug 13 02:29:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1024353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1511754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1338545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	475778	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	520054	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
35) Dibromofluoromethane	6.99	113	467794	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.62%	
50) Toluene-d8	9.56	98	1746385	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	11.92	95	543974	46.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.82	85	143217	17.395	ug/l	100
3) Chloromethane	2.00	50	178593	16.326	ug/l	99
4) Vinyl Chloride	2.11	62	177452	17.452	ug/l	98
5) Bromomethane	2.43	94	131464	19.029	ug/l	99
6) Chloroethane	2.55	64	123323	18.909	ug/l	100
7) Trichlorofluoromethane	2.83	101	287712	19.685	ug/l	99
8) Diethyl Ether	3.14	74	110779	19.618	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.44	101	173965	19.635	ug/l	100
10) Methyl Iodide	3.63	142	265085	19.799	ug/l	100
11) Tert butyl alcohol	4.24	59	145776	97.240	ug/l	99
12) 1,1-Dichloroethene	3.43	96	169808	19.482	ug/l	99
13) Acrolein	3.31	56	56630	59.712	ug/l	100
14) Allyl chloride	3.91	41	243091	19.191	ug/l	99
15) Acrylonitrile	4.45	53	421277	103.832	ug/l	99
16) Acetone	3.47	43	334262	105.064	ug/l	98
17) Carbon Disulfide	3.72	76	416393	17.957	ug/l	100
18) Methyl Acetate	3.89	43	207525	21.519	ug/l	98
19) Methyl tert-butyl Ether	4.49	73	544891	20.707	ug/l	99
20) Methylene Chloride	4.10	84	199154	18.967	ug/l	99
21) trans-1,2-Dichloroethene	4.51	96	182765	19.249	ug/l	100
22) Diisopropyl ether	5.32	45	549292	19.881	ug/l	96
23) Vinyl Acetate	5.26	43	2163012	102.233	ug/l	99
24) 1,1-Dichloroethane	5.25	63	332838	19.596	ug/l	96
25) 2-Butanone	6.20	43	514642	105.875	ug/l	97
26) 2,2-Dichloropropane	6.21	77	258047	20.883	ug/l	100
27) cis-1,2-Dichloroethene	6.21	96	218920	20.126	ug/l	99
28) Bromochloromethane	6.58	49	153705	19.674	ug/l	100
29) Tetrahydrofuran	6.60	42	352087	107.525	ug/l	98
30) Chloroform	6.76	83	349485	19.880	ug/l	99
31) Cyclohexane	7.07	56	281123	18.397	ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	297024	20.141	ug/l	99
36) 1,1-Dichloropropene	7.20	75	249615	20.054	ug/l	99
37) Ethyl Acetate	6.28	43	216804	21.122	ug/l #	100
38) Carbon Tetrachloride	7.19	117	262367	20.226	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.53	83	288470	19.058	ug/l	96
40) Benzene	7.46	78	782636	19.862	ug/l	99
41) Methacrylonitrile	6.55	41	106292	20.394	ug/l	97
42) 1,2-Dichloroethane	7.54	62	256077	20.377	ug/l	99
43) Isopropyl Acetate	7.56	43	364255	20.803	ug/l	98
44) Trichloroethene	8.27	130	221398	20.055	ug/l	100
45) 1,2-Dichloropropane	8.56	63	206051	20.196	ug/l	97
46) Dibromomethane	8.65	93	134083	20.496	ug/l	97
47) Bromodichloromethane	8.85	83	265036	20.938	ug/l	99
48) Methyl methacrylate	8.64	41	164851	19.966	ug/l	97
49) 1,4-Dioxane	8.64	88	74390	442.368	ug/l	100
51) 4-Methyl-2-Pentanone	9.45	43	1064466	104.455	ug/l	100
52) Toluene	9.63	92	492177	20.123	ug/l	98
53) t-1,3-Dichloropropene	9.86	75	272913	20.638	ug/l	98
54) cis-1,3-Dichloropropene	9.30	75	316275	20.844	ug/l	98
55) 1,1,2-Trichloroethane	10.04	97	196023	20.380	ug/l	98
56) Ethyl methacrylate	9.90	69	278560	20.685	ug/l	98
57) 1,3-Dichloropropane	10.19	76	322811	20.352	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	332242	71.741	ug/l	96
59) 2-Hexanone	10.24	43	730060	105.852	ug/l	100
60) Dibromochloromethane	10.39	129	214980	21.282	ug/l	99
61) 1,2-Dibromoethane	10.50	107	205292	20.684	ug/l	99
64) Tetrachloroethene	10.11	164	247749	22.256	ug/l	97
65) Chlorobenzene	10.93	112	528704	19.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	210559	20.912	ug/l	98
67) Ethyl Benzene	11.01	91	912368	19.683	ug/l	98
68) m/p-Xylenes	11.13	106	681700	39.919	ug/l	99
69) o-Xylene	11.46	106	335778	19.757	ug/l	99
70) Styrene	11.48	104	520581	19.610	ug/l	99
71) Bromoform	11.64	173	158476	21.486	ug/l #	97
73) Isopropylbenzene	11.77	105	894128	21.573	ug/l	99
74) N-amyl acetate	11.59	43	249289	20.676	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	260480	22.812	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	220017m	22.034	ug/l	
77) Bromobenzene	12.05	156	232475	20.329	ug/l	99
78) n-propylbenzene	12.11	91	876038	19.193	ug/l	100
79) 2-Chlorotoluene	12.20	91	560046	20.890	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	737214	20.070	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	70395	21.755	ug/l	99
82) 4-Chlorotoluene	12.30	91	510880	19.331	ug/l	100
83) tert-Butylbenzene	12.52	119	658972	21.570	ug/l	100
84) 1,2,4-Trimethylbenzene	12.57	105	677576	19.085	ug/l	100
85) sec-Butylbenzene	12.70	105	776950	18.743	ug/l	98
86) p-Isopropyltoluene	12.82	119	677860	18.636	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	325559	19.996	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	301931	19.573	ug/l	99
89) n-Butylbenzene	13.15	91	492131	19.584	ug/l	99
90) Hexachloroethane	13.41	117	134128	22.673	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	324106	19.935	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	33584	20.080	ug/l	94

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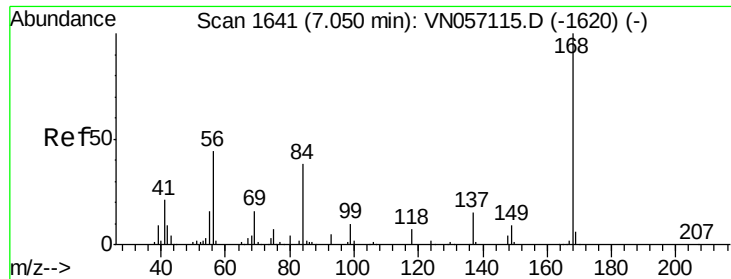
Manual Integrations
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QLast Update : Thu Aug 08 06:49:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	84246	16.699	ug/l	99
94) Hexachlorobutadiene	14.55	225	140668	22.738	ug/l	98
95) Naphthalene	14.67	128	165350	15.642	ug/l	98
96) 1,2,3-Trichlorobenzene	14.84	180	85061	16.284	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion:168 Resp: 1024353

Ion Ratio Lower Upper

168 100

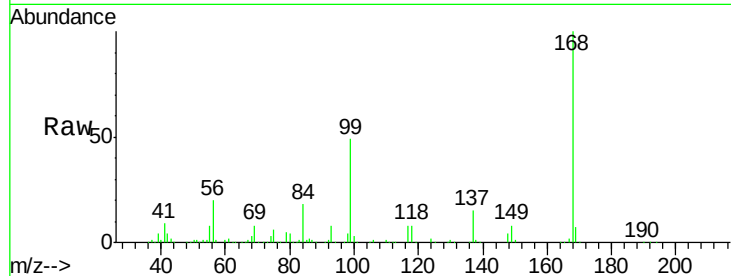
99 48.7 38.6 57.8

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

7.05

400000

300000

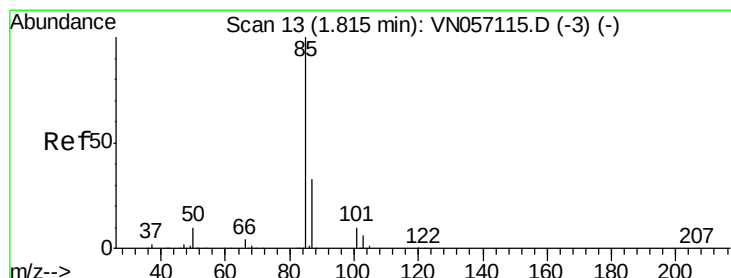
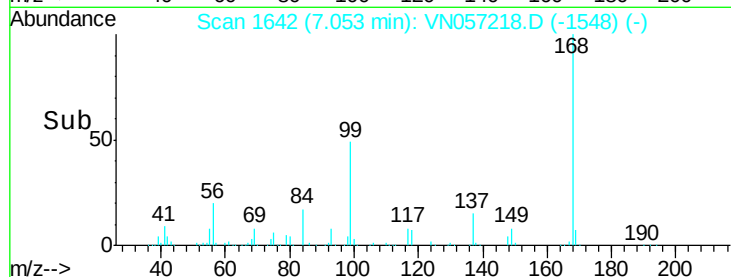
200000

100000

0

7.00 7.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.395 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057218.D

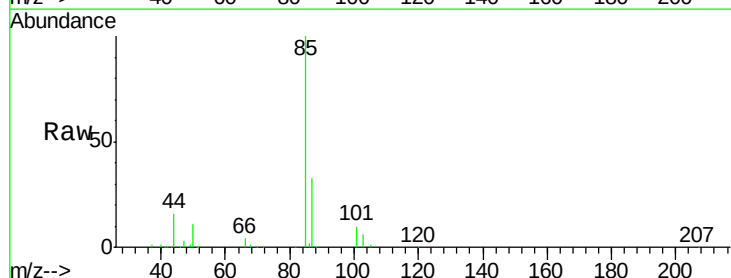
Acq: 12 Aug 2019 16:26

Tgt Ion: 85 Resp: 143217

Ion Ratio Lower Upper

85 100

87 33.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.82

120000

100000

80000

60000

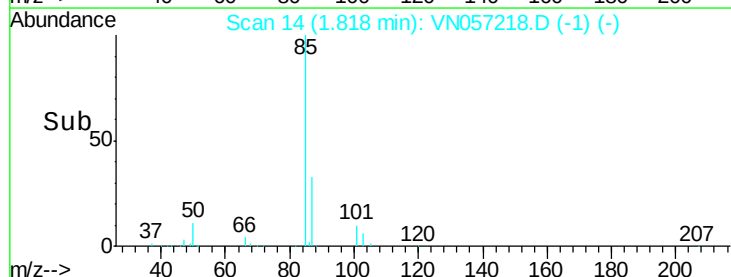
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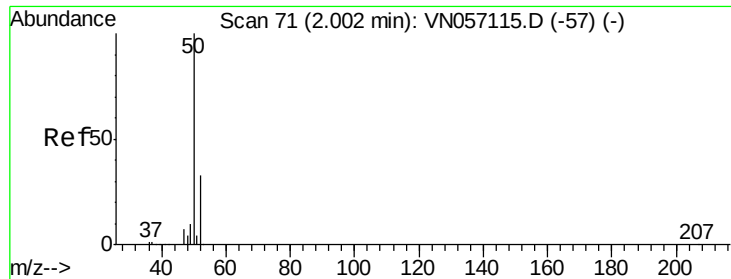
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.326 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 50 Resp: 178593

Ion Ratio Lower Upper

50 100

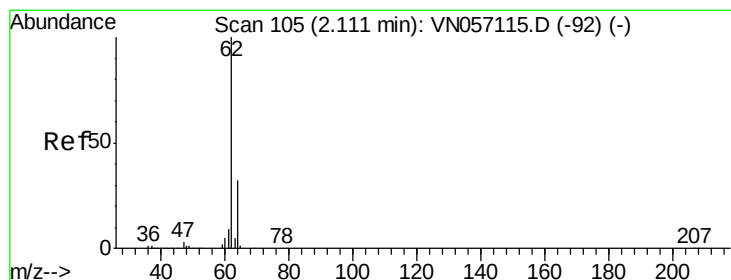
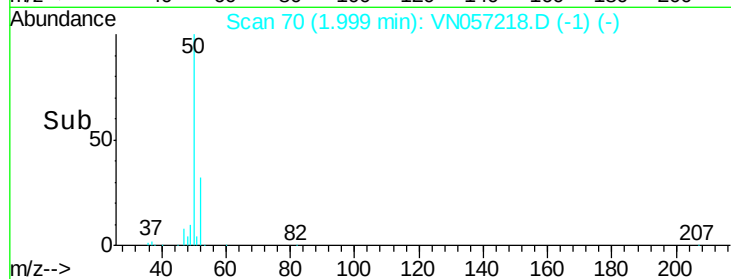
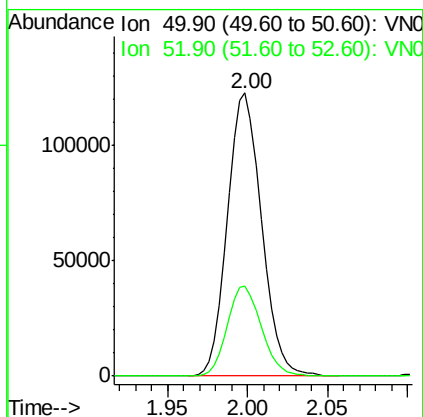
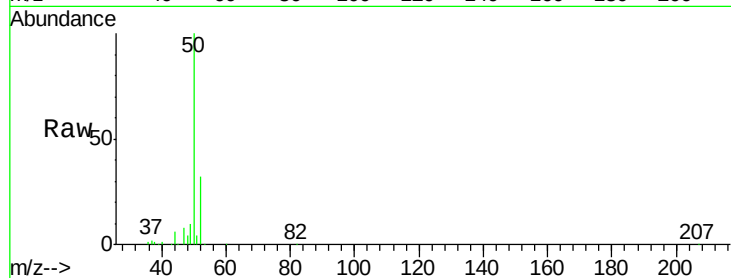
52 31.8 26.1 39.1

Manual Integrations

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8/14/2019 9:23:13 AM



#4

Vinyl Chloride

Concen: 17.452 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057218.D

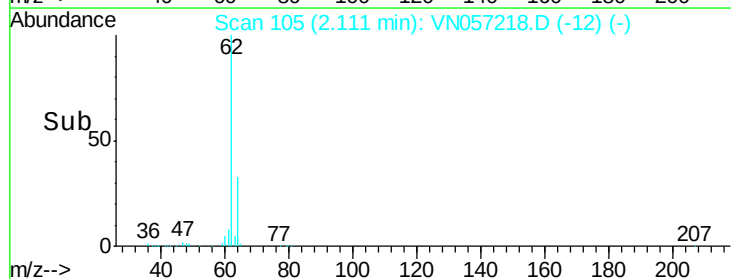
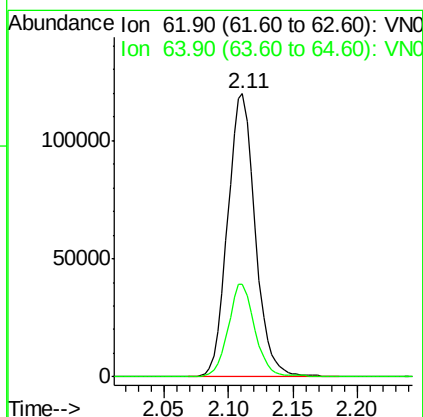
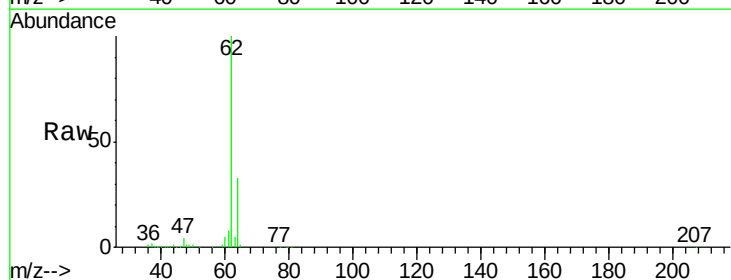
Acq: 12 Aug 2019 16:26

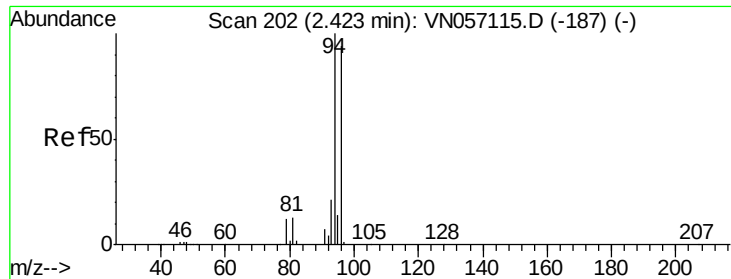
Tgt Ion: 62 Resp: 177452

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0





#5

Bromomethane

Concen: 19.029 ug/l

RT: 2.43 min Scan# 204

Delta R.T. 0.01 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 94 Resp: 131464

Ion Ratio Lower Upper

94 100

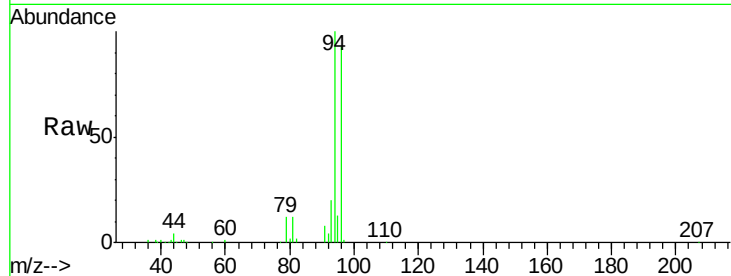
96 92.9 75.0 112.4

Manual Integrations

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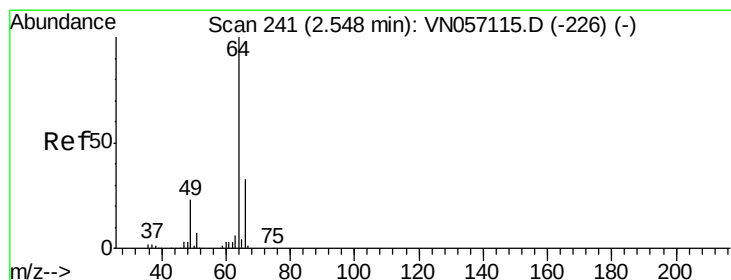
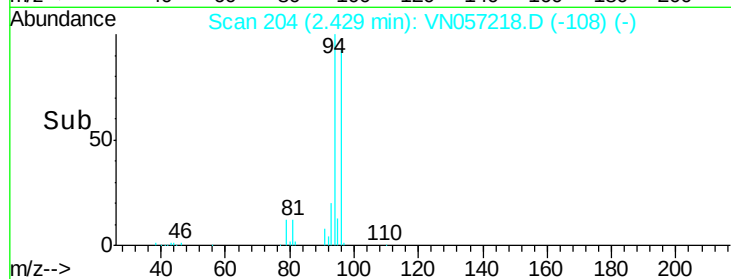
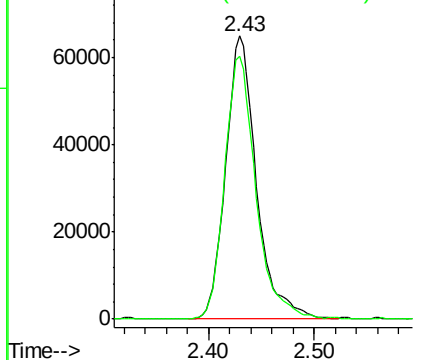
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.909 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN057218.D

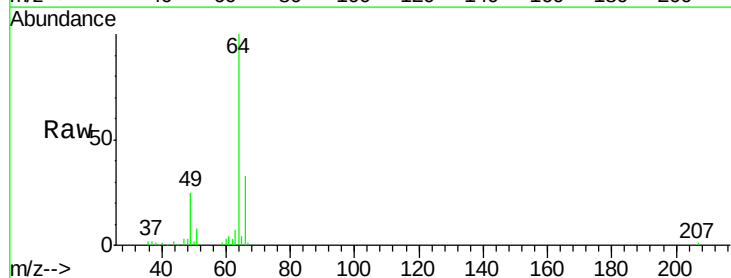
Acq: 12 Aug 2019 16:26

Tgt Ion: 64 Resp: 123323

Ion Ratio Lower Upper

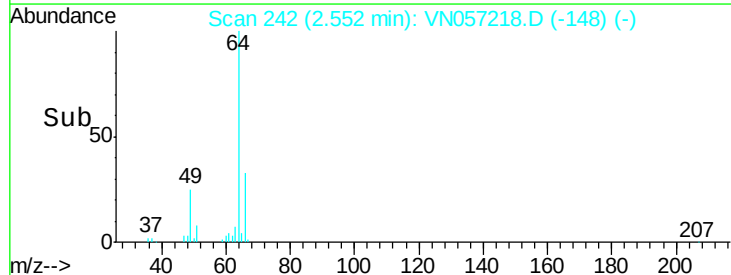
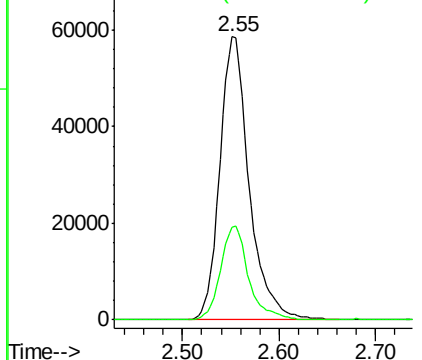
64 100

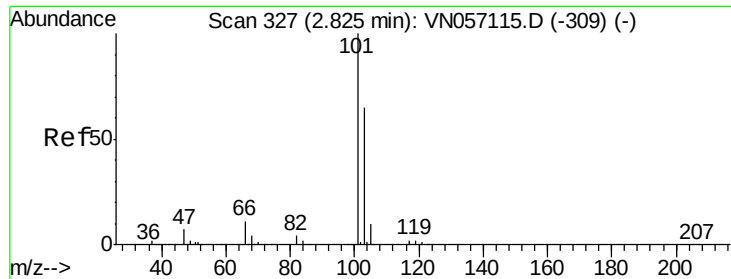
66 32.7 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

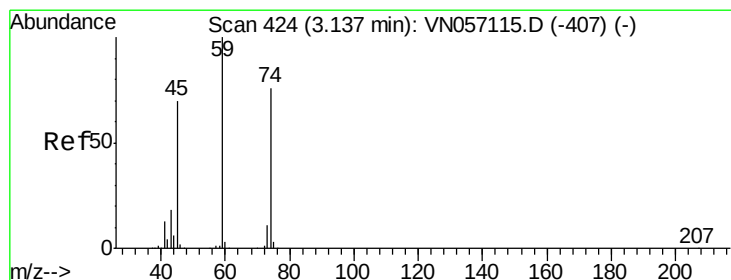
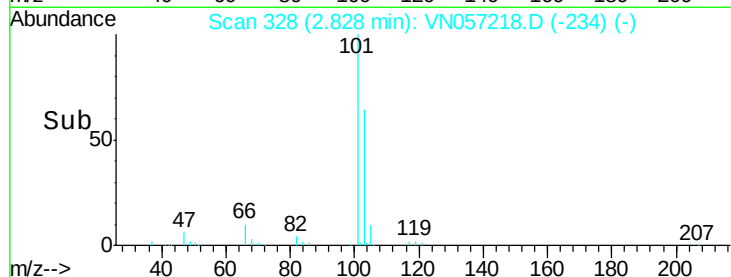
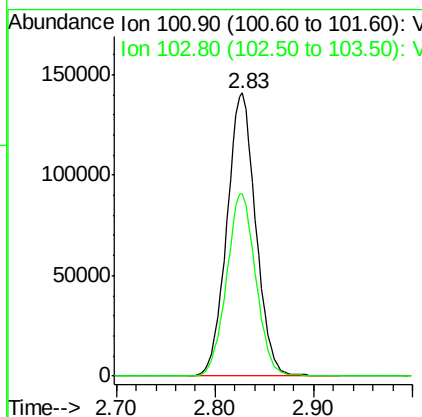
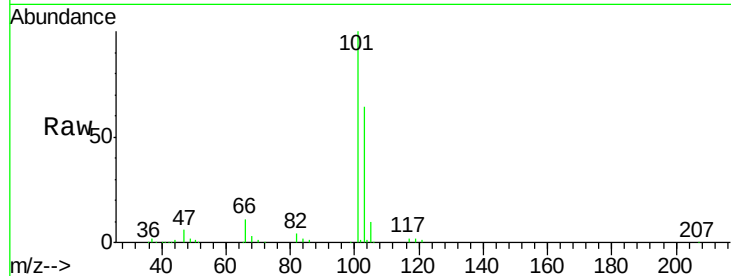
Trichlorofluoromethane
 Concen: 19.685 ug/l
 RT: 2.83 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

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 VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.2	78.4

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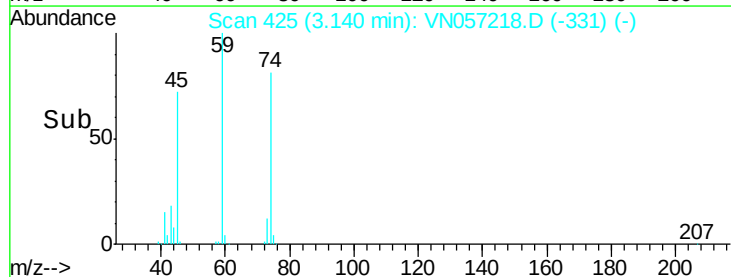
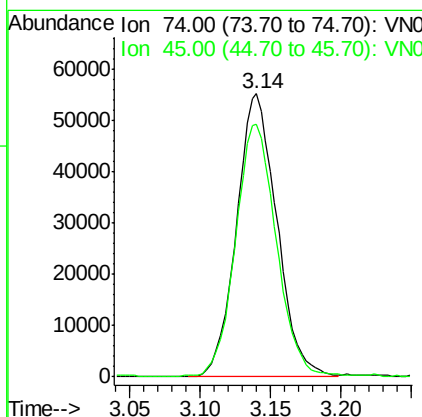
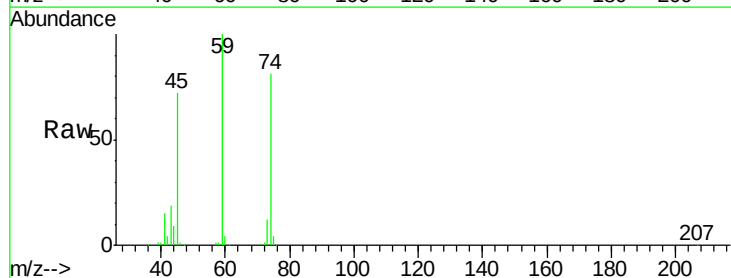
MMDadoda
 8/14/2019 9:23:13 AM

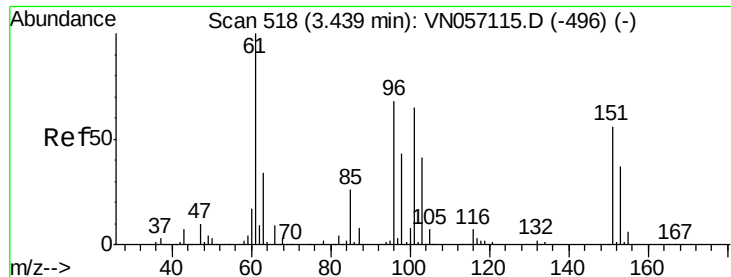


#8

Diethyl Ether
 Concen: 19.618 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.0	46.3	138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.635 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

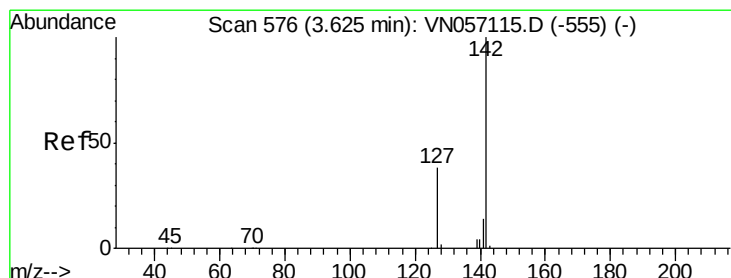
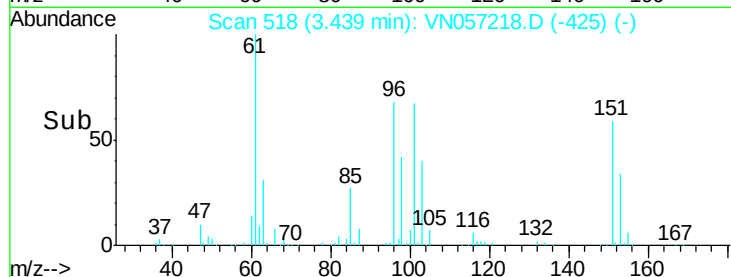
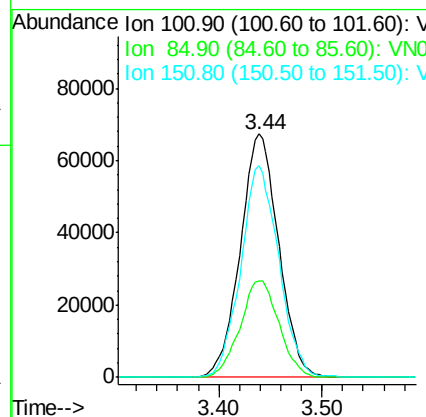
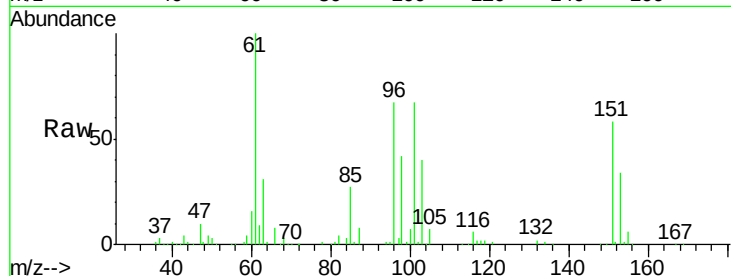
ClientSampleId :

VN0812WBSD02

Tot Ion:	101	Resp:	173965
Ion Ratio	Lower	Upper	
101	100		
85	40.3	32.3	48.5
151	86.4	69.4	104.0

Manual Integrations
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#10

Methyl Iodide

Concen: 19.799 ug/l

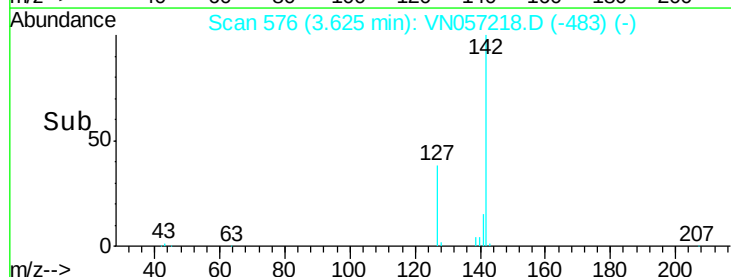
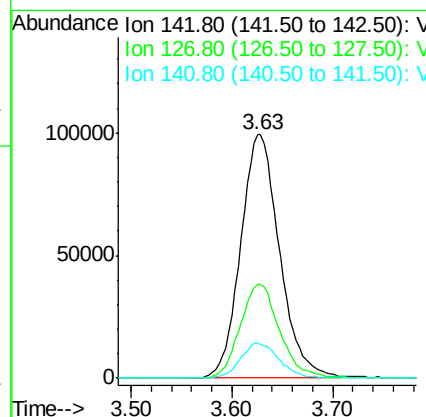
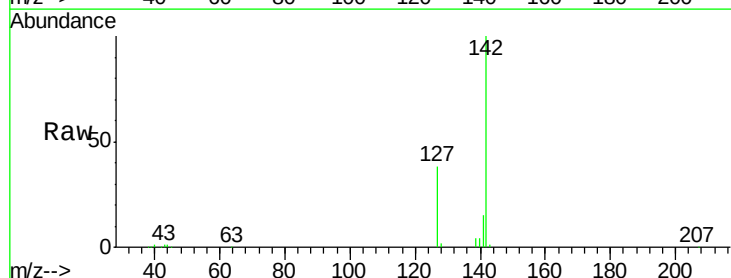
RT: 3.63 min Scan# 576

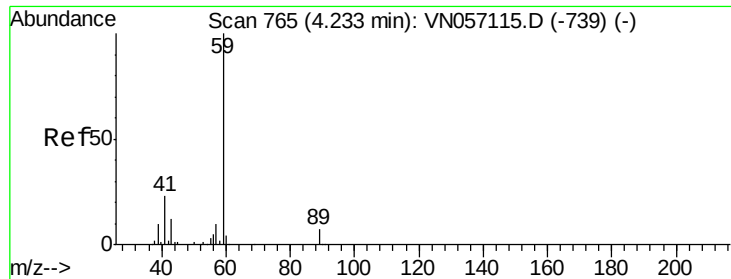
Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Tgt Ion:	142	Resp:	265085
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.0	46.6
141	14.4	11.2	16.8





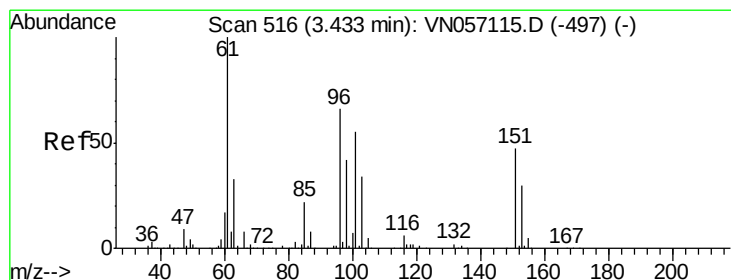
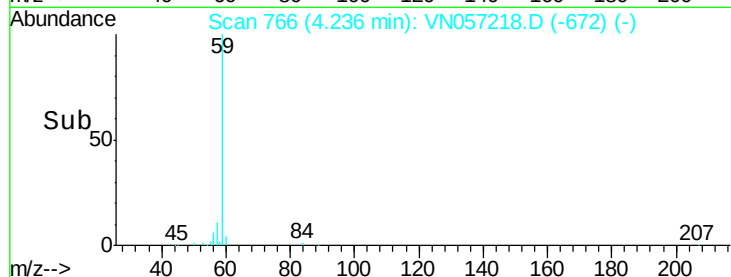
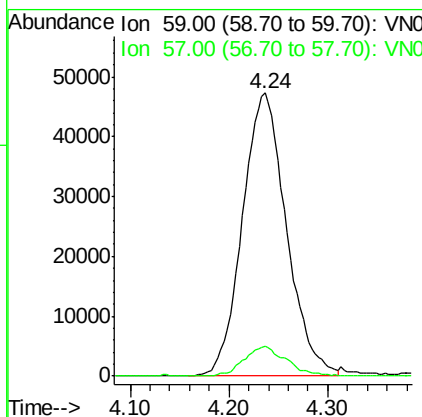
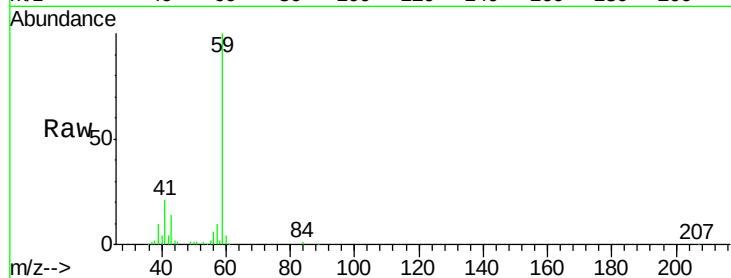
#11
Tert butyl alcohol
Concen: 97.240 ug/l
RT: 4.24 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	145776		
57	57	10.2		7.9	11.9

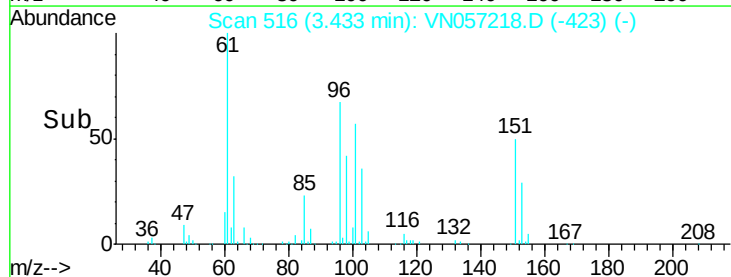
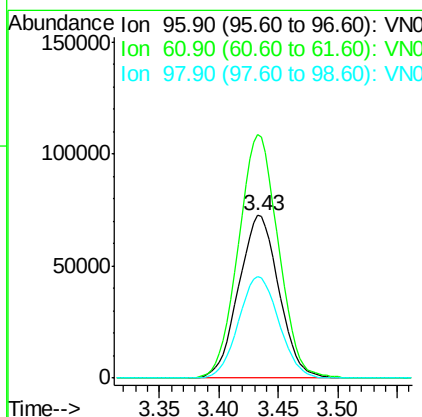
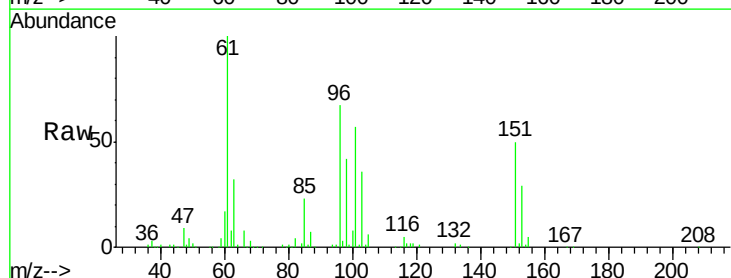
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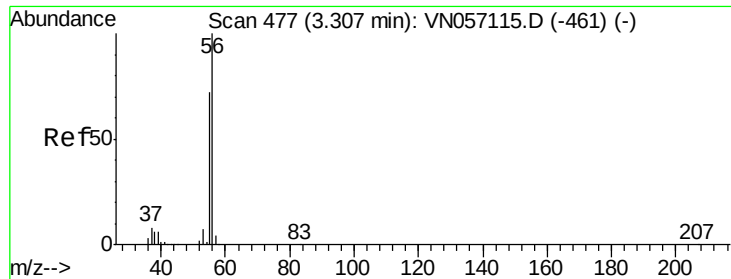
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#12
1,1-Dichloroethene
Concen: 19.482 ug/l
RT: 3.43 min Scan# 516
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	169808		
61	61	149.7		121.0	181.6
98	98	62.4		50.8	76.2





#13

Acrolein

Concen: 59.712 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 56 Resp: 56630

Ion Ratio Lower Upper

56 100

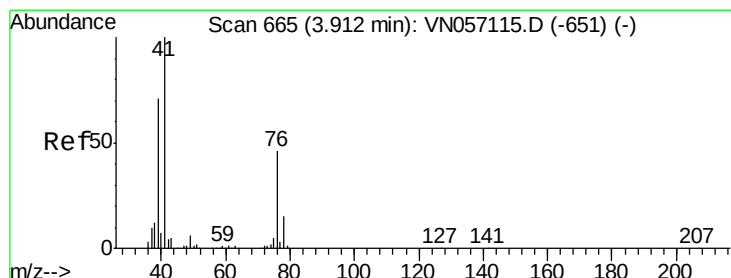
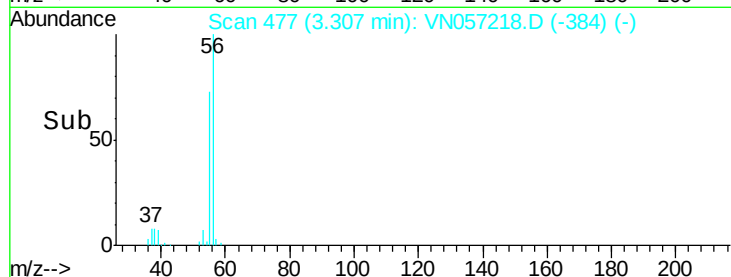
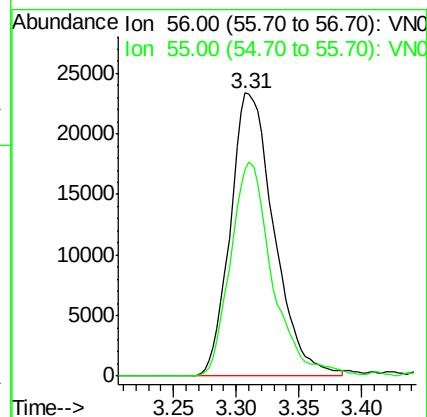
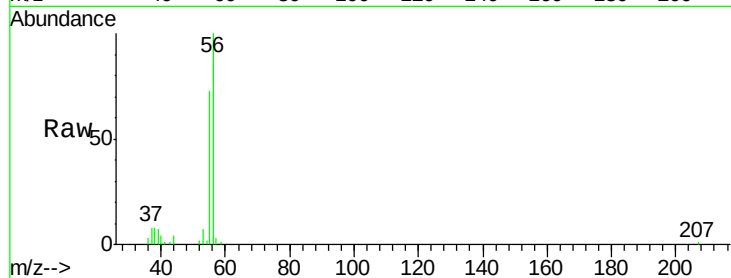
55 72.2 57.7 86.5

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#14

Allyl chloride

Concen: 19.191 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

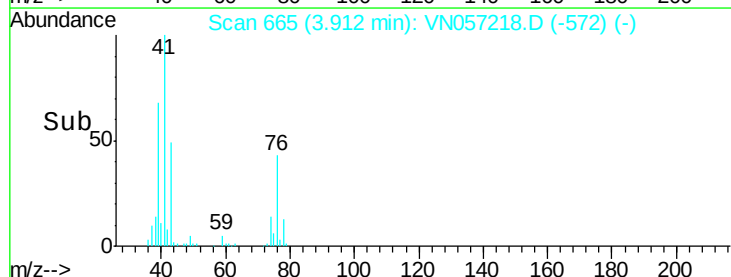
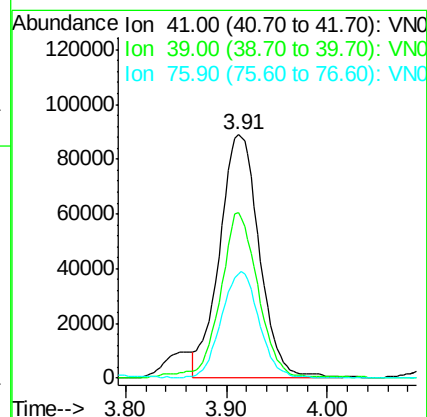
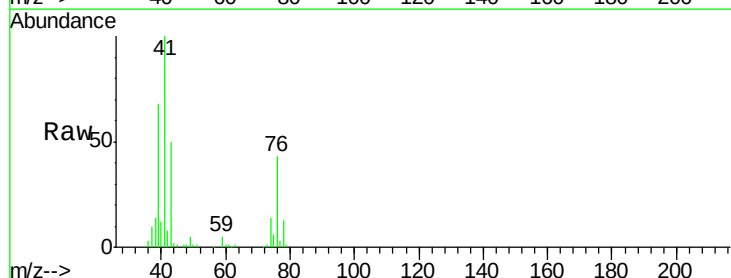
Tgt Ion: 41 Resp: 243091

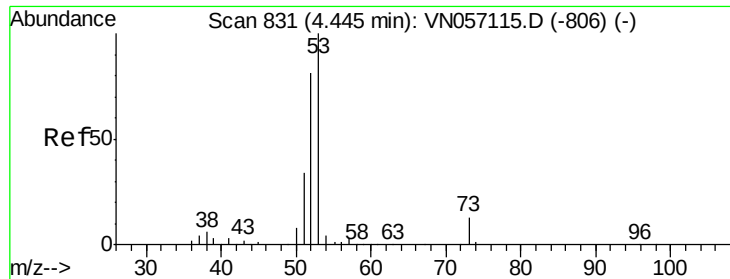
Ion Ratio Lower Upper

41 100

39 65.2 51.1 76.7

76 40.7 32.8 49.2





#15

Acrylonitrile

Concen: 103.832 ug/l

RT: 4.45 min Scan# 832

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

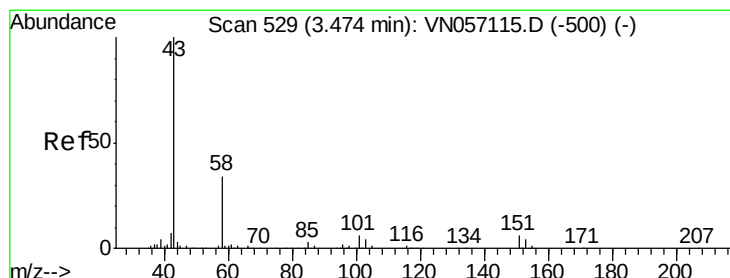
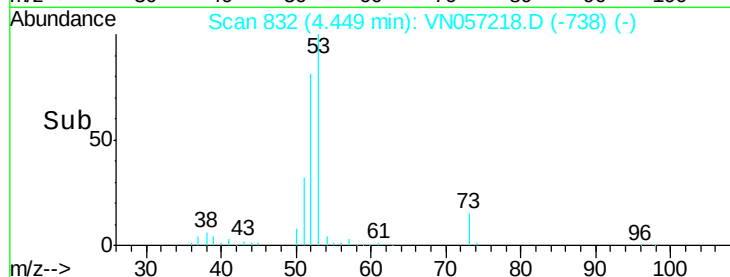
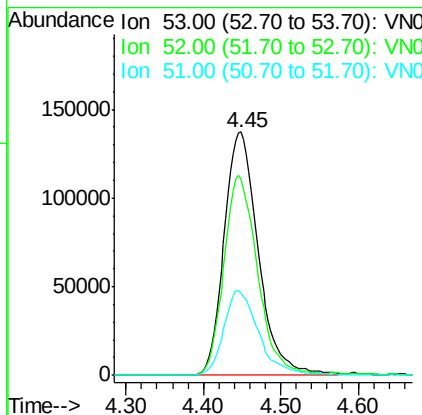
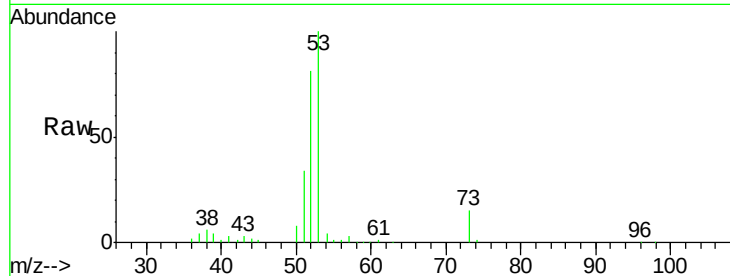
ClientSampleId :

VN0812WBSD02

Tot Ion:	53	Resp:	421277
Ion	Ratio	Lower	Upper
53	100		
52	80.0	64.9	97.3
51	35.6	27.8	41.6

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#16

Acetone

Concen: 105.064 ug/l

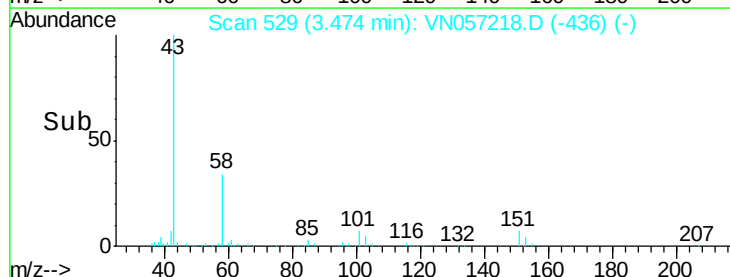
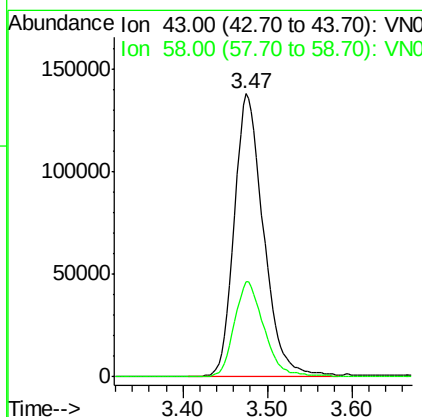
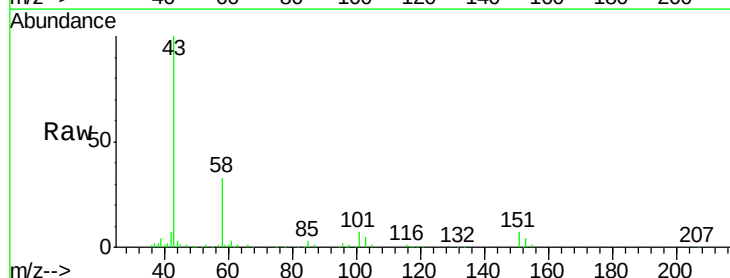
RT: 3.47 min Scan# 529

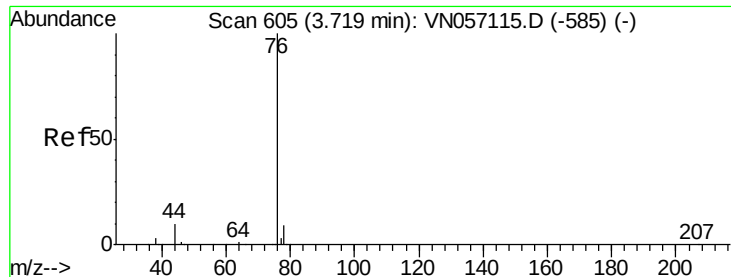
Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Tgt Ion:	43	Resp:	334262
Ion	Ratio	Lower	Upper
43	100		
58	33.4	27.4	41.2





#17

Carbon Disulfide

Concen: 17.957 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 76 Resp: 416393

Ion Ratio Lower Upper

76 100

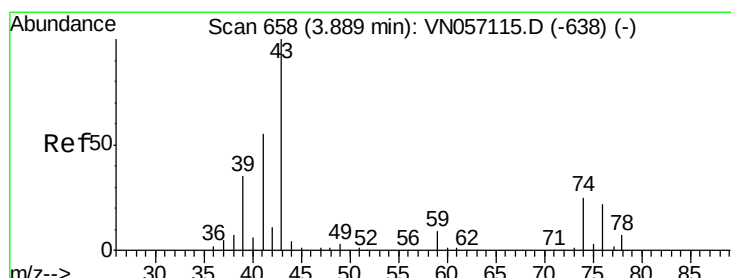
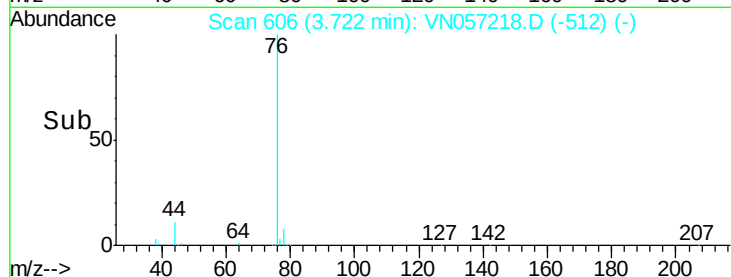
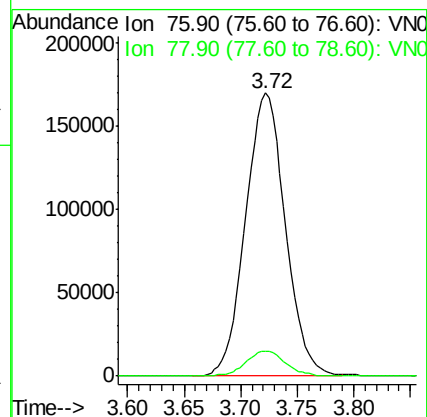
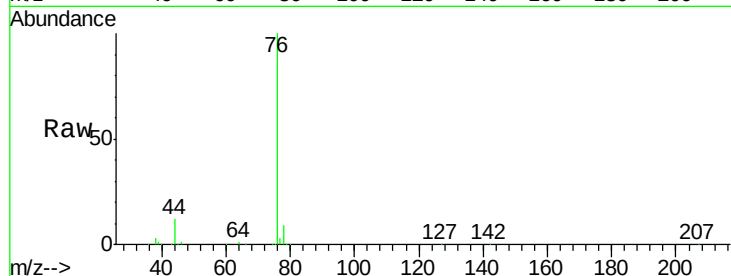
78 8.7 7.0 10.6

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#18

Methyl Acetate

Concen: 21.519 ug/l

RT: 3.89 min Scan# 659

Delta R.T. 0.00 min

Lab File: VN057218.D

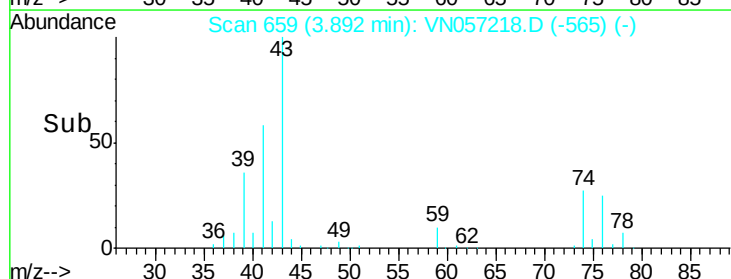
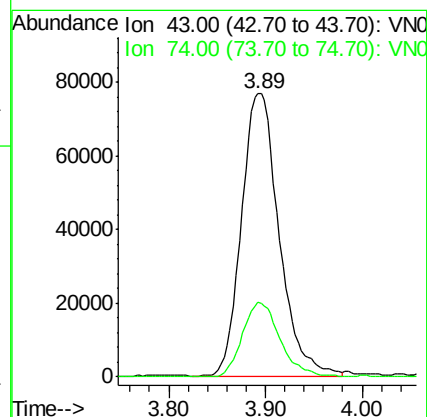
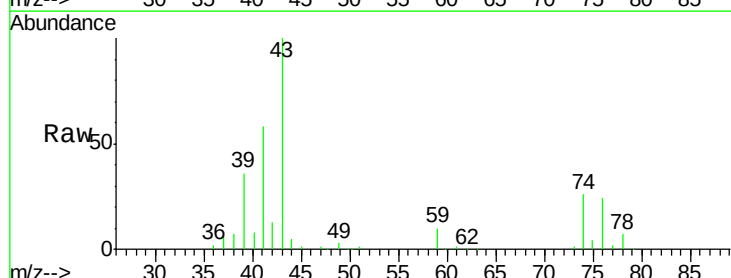
Acq: 12 Aug 2019 16:26

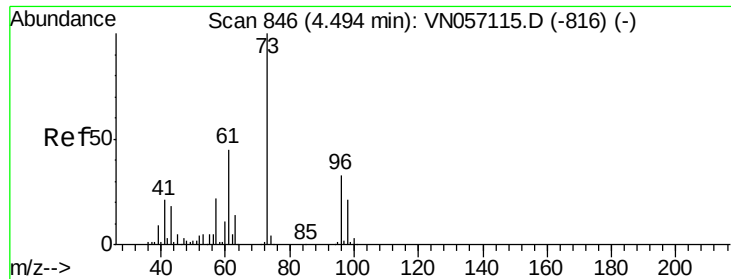
Tgt Ion: 43 Resp: 207525

Ion Ratio Lower Upper

43 100

74 26.1 20.2 30.4





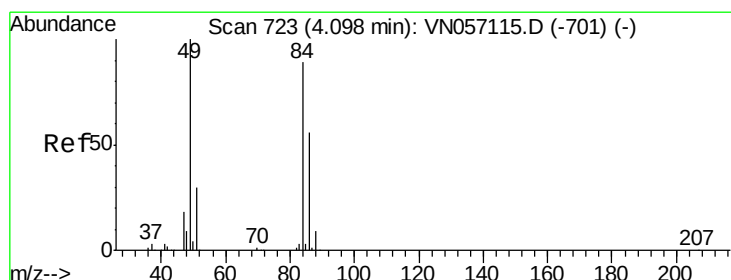
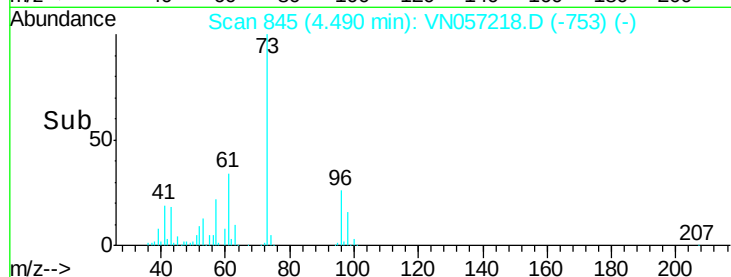
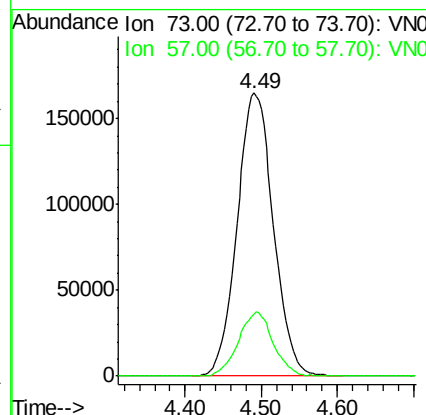
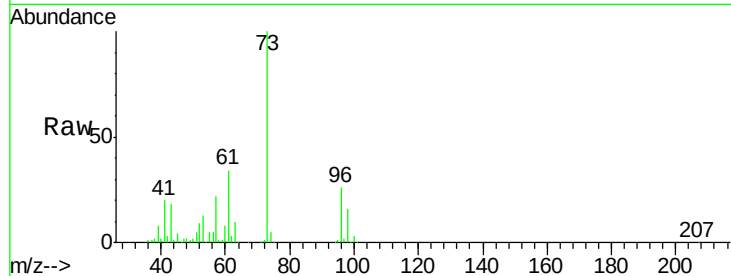
#19
Methvl tert-butyl Ether
Concen: 20.707 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion: 73 Resp: 544891
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0

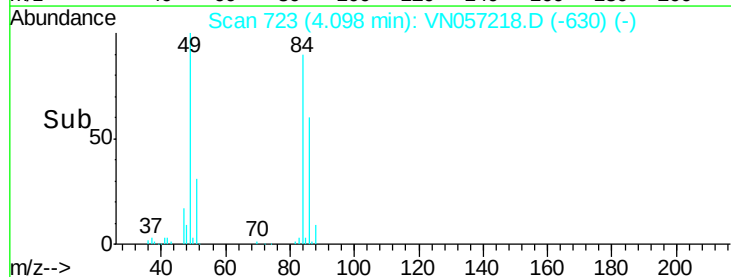
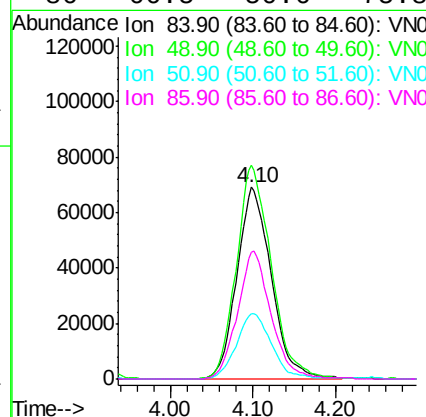
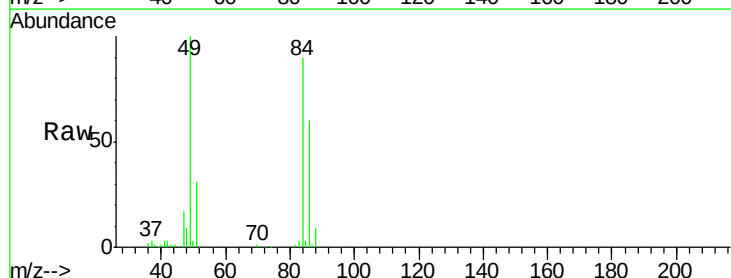
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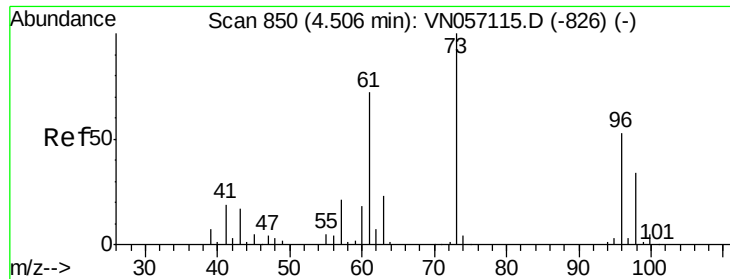
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#20
Methylene Chloride
Concen: 18.967 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion: 84 Resp: 199154
Ion Ratio Lower Upper
84 100
49 111.5 89.5 134.3
51 34.1 27.2 40.8
86 66.5 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 19.249 ug/l

RT: 4.51 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 96 Resp: 182765

Ion Ratio Lower Upper

96 100

61 134.6 108.1 162.1

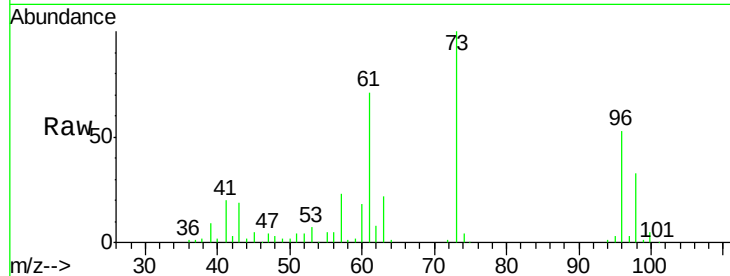
98 63.0 50.5 75.7

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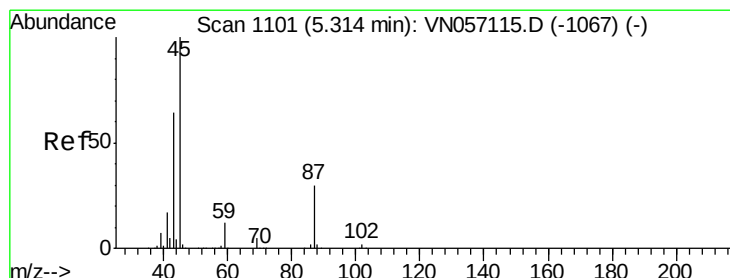
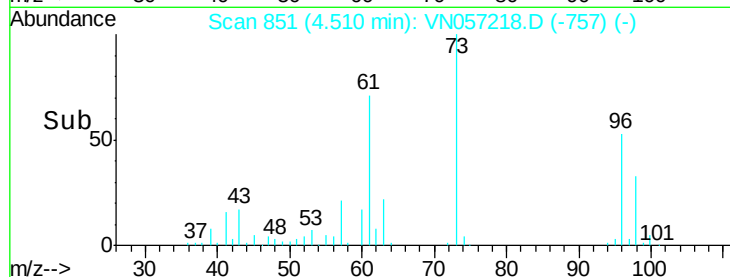
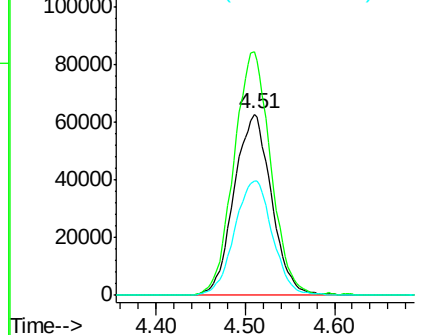
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Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.881 ug/l

RT: 5.32 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Tgt Ion: 45 Resp: 549292

Ion Ratio Lower Upper

45 100

43 71.6 54.1 81.1

87 31.8 24.0 36.0

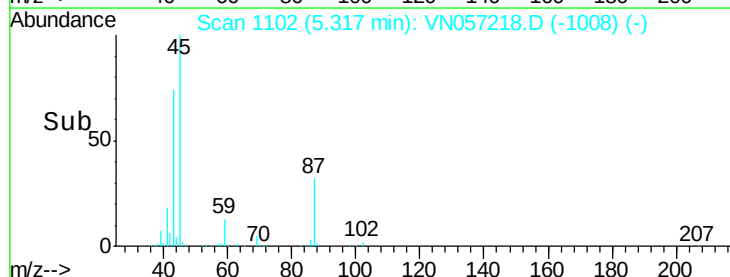
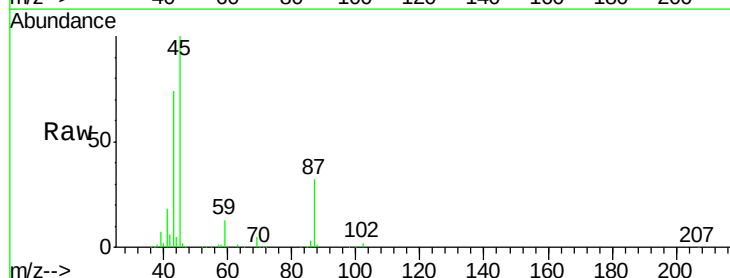
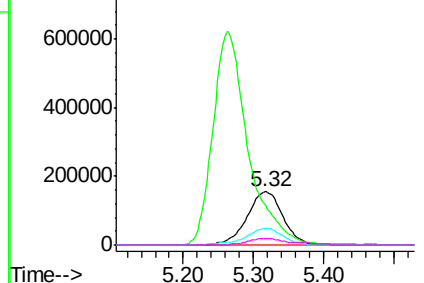
59 12.9 10.0 15.0

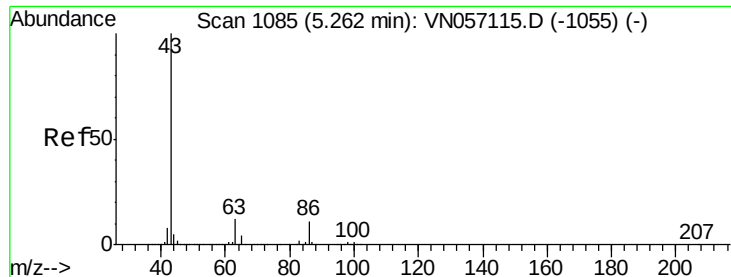
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 102.233 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 43 Resp: 2163012

Ion Ratio Lower Upper

43 100

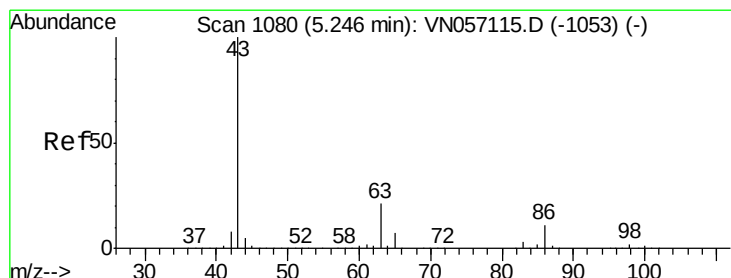
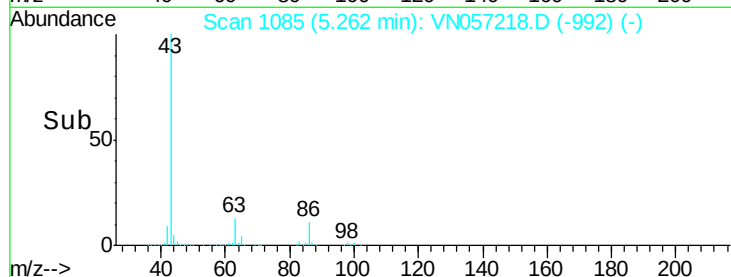
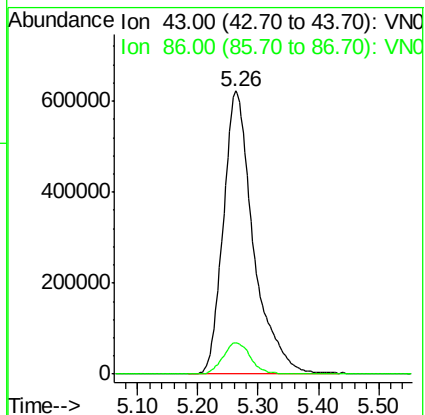
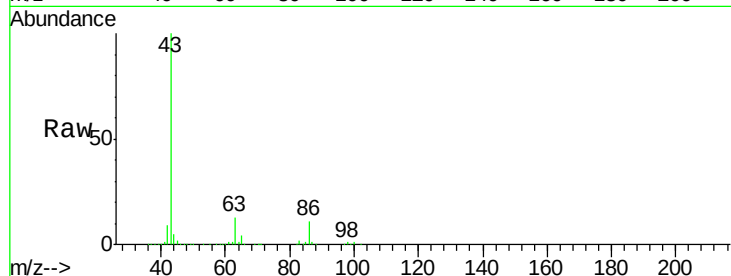
86 11.2 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 19.596 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

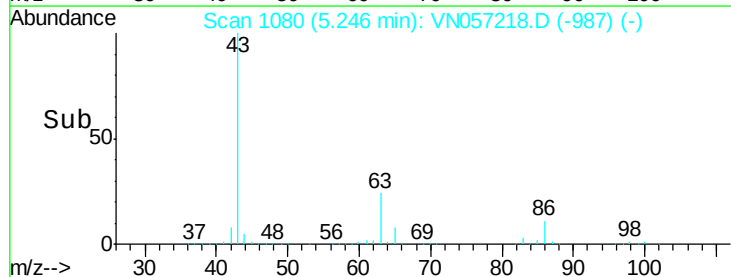
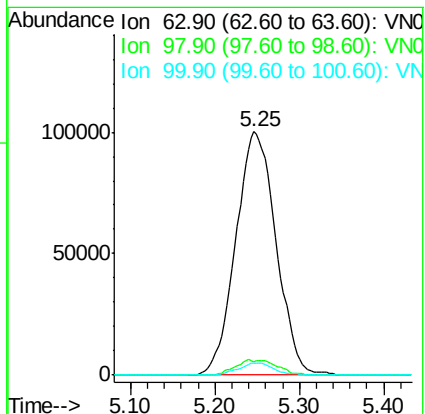
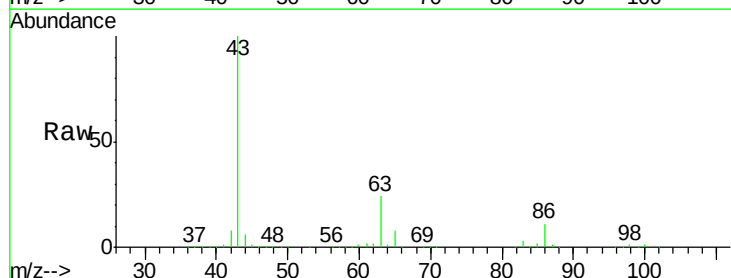
Tgt Ion: 63 Resp: 332838

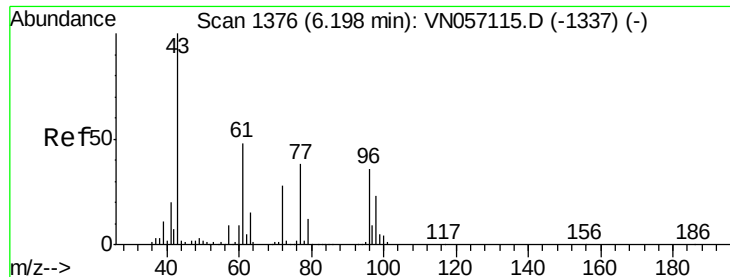
Ion Ratio Lower Upper

63 100

98 5.7 3.8 11.2

100 5.0 2.1 6.3





#25

2-Butanone

Concen: 105.875 ug/l

RT: 6.20 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 43 Resp: 514642

Ion Ratio Lower Upper

43 100

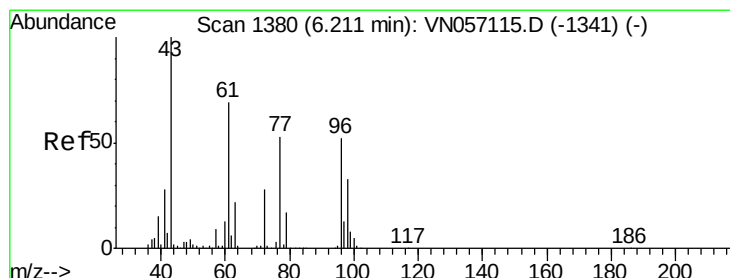
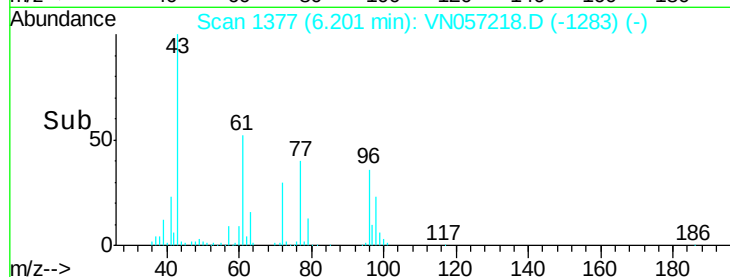
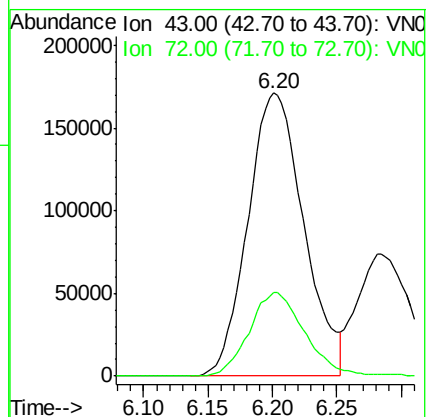
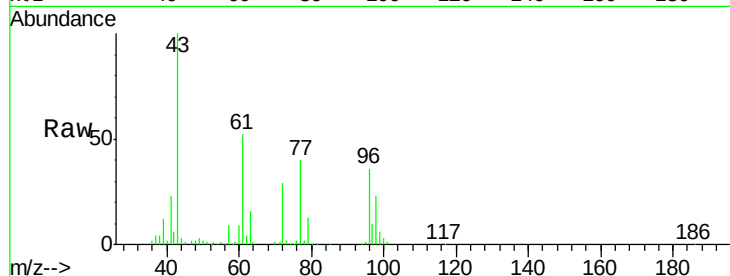
72 29.5 22.2 33.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.883 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057218.D

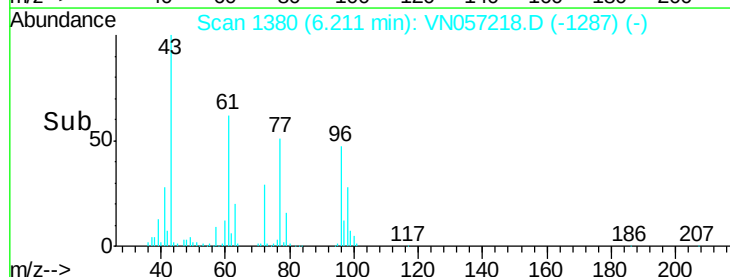
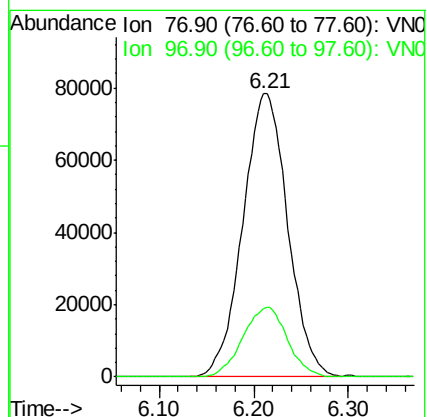
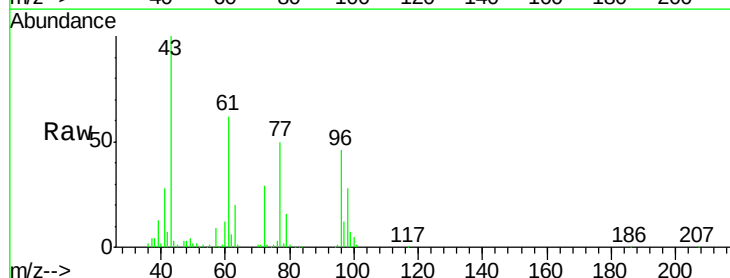
Acq: 12 Aug 2019 16:26

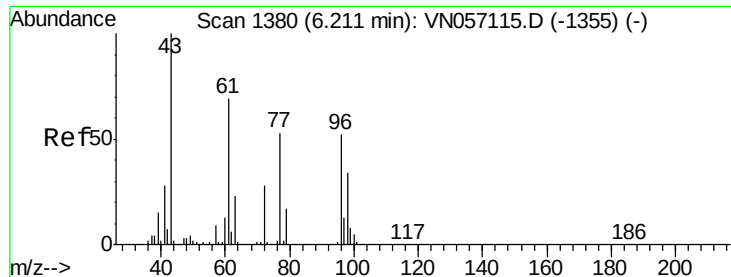
Tgt Ion: 77 Resp: 258047

Ion Ratio Lower Upper

77 100

97 24.4 12.3 36.8





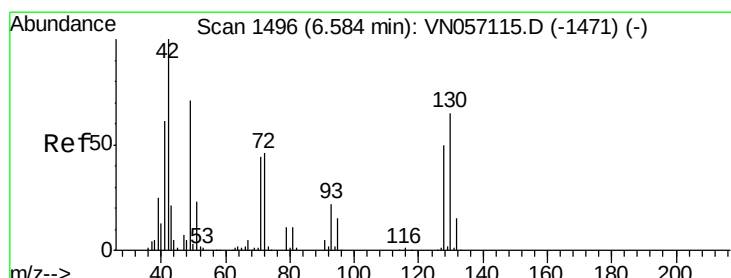
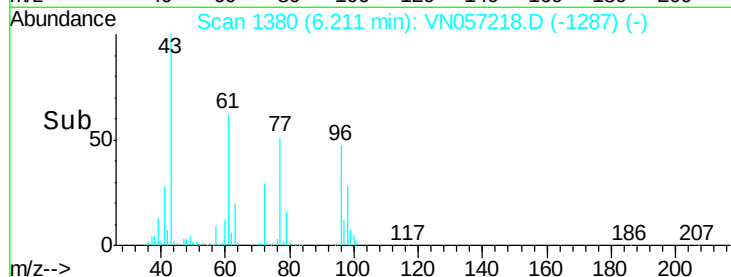
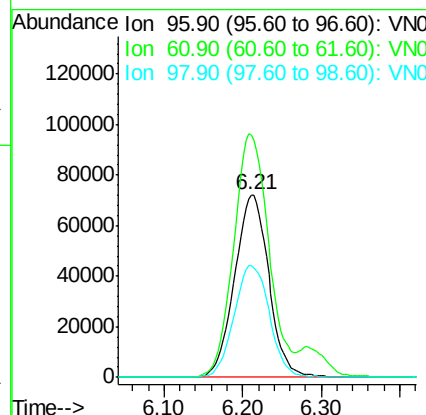
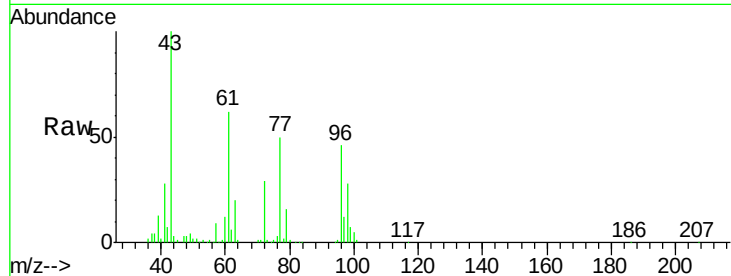
#27
 cis-1,2-Dichloroethene
 Concen: 20.126 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	218920		
61	136.8	0.0	273.4	
98	63.4	0.0	130.4	

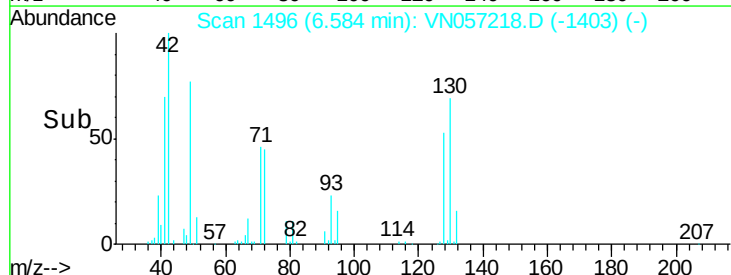
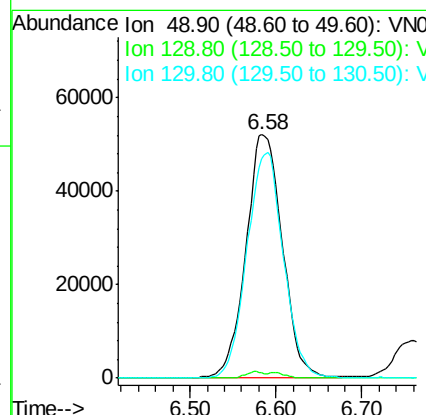
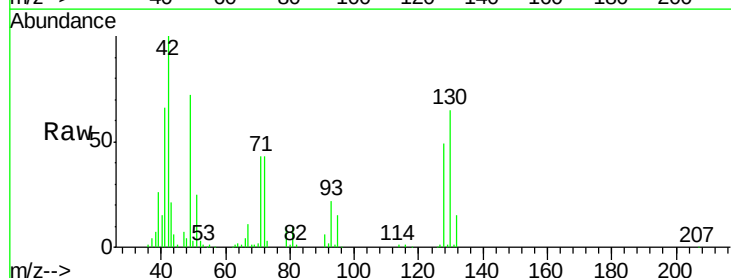
Manual Integrations
 APPROVED

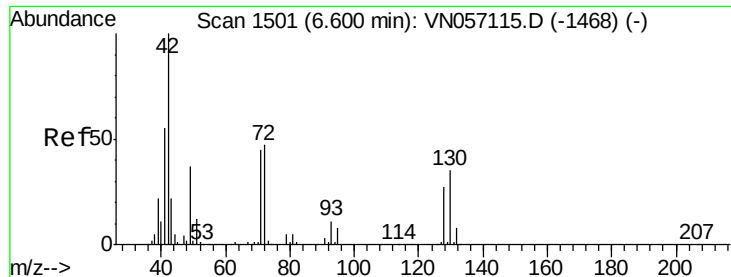
MMDadoda
 8/14/2019 9:23:13 AM



#28
 Bromochloromethane
 Concen: 19.674 ug/l
 RT: 6.58 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	153705		
129	1.0	0.0	4.8	
130	92.6	73.8	110.8	





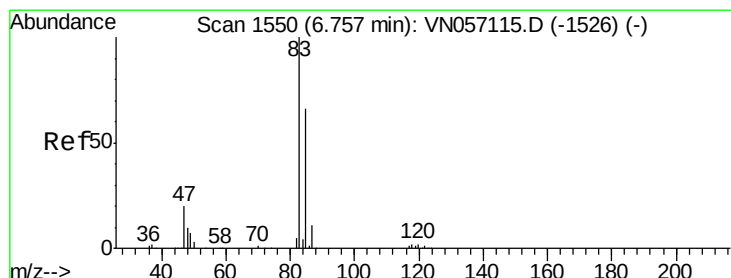
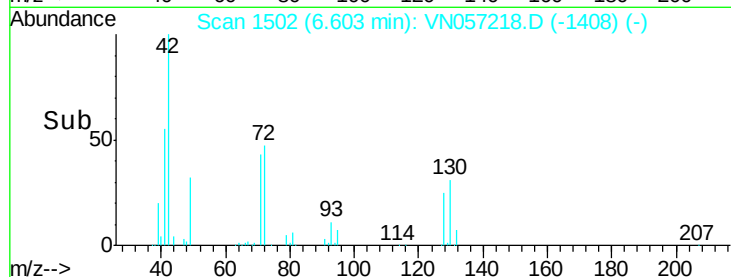
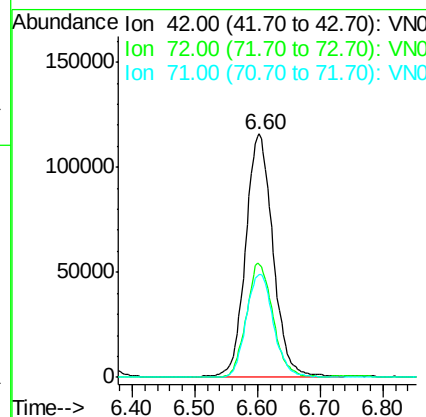
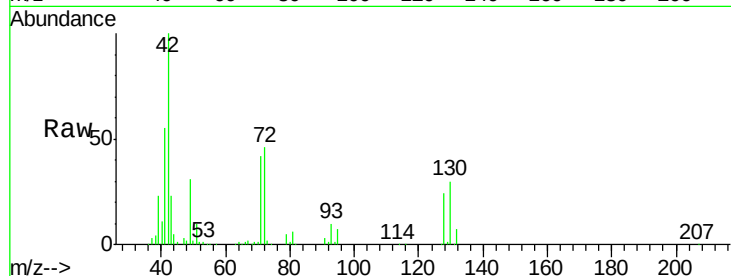
#29
Tetrahydrofuran
Concen: 107.525 ug/l
RT: 6.60 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.1	55.7
71	42.2	34.8	52.2

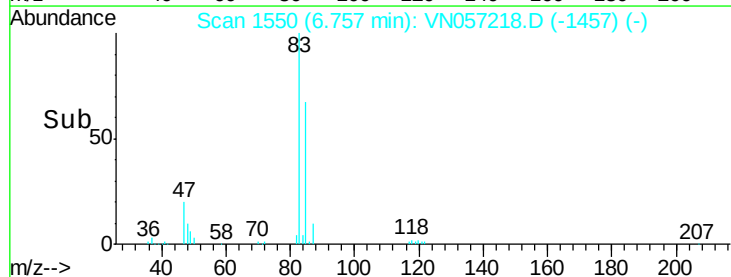
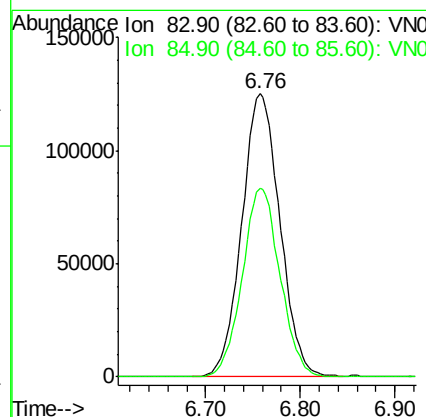
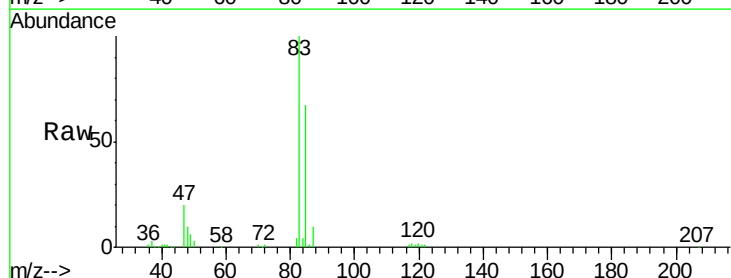
Manual Integrations
APPROVED

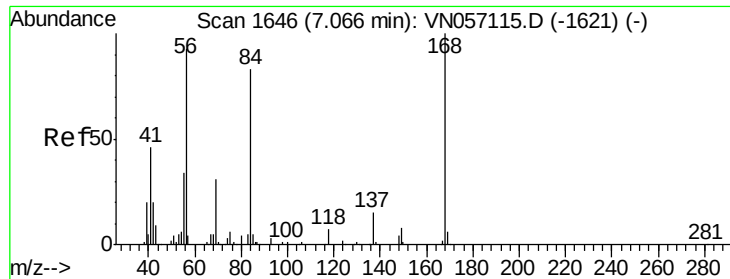
MMDadoda
8/14/2019 9:23:13 AM



#30
Chloroform
Concen: 19.880 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.6	78.8





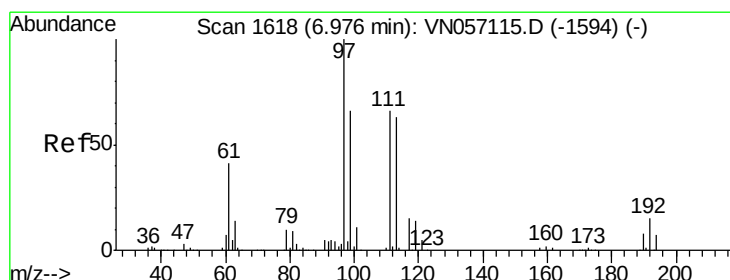
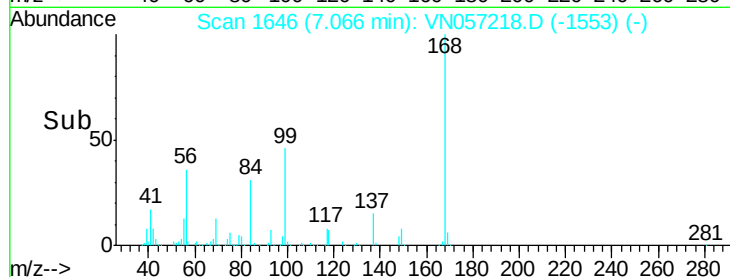
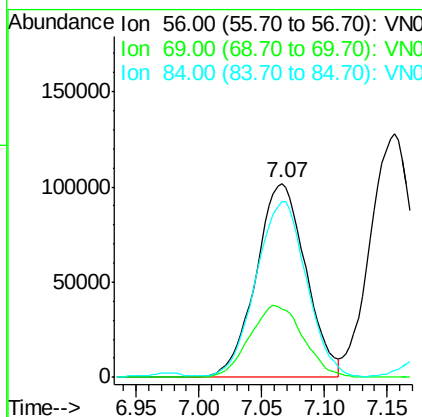
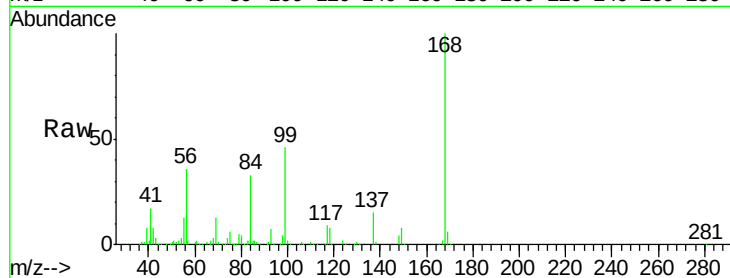
#31
Cyclohexane
Concen: 18.397 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		281123		
69	35.1	26.9	40.3		
84	89.8	71.9	107.9		

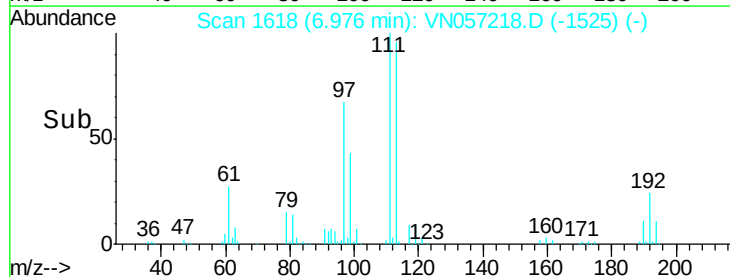
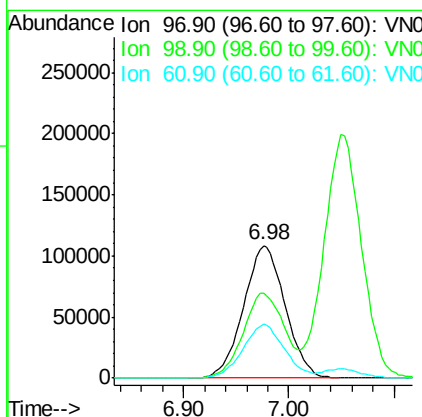
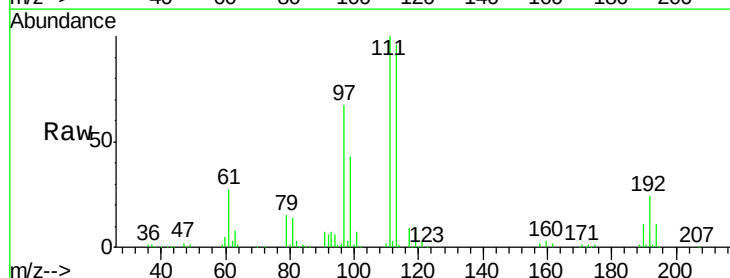
Manual Integrations
APPROVED

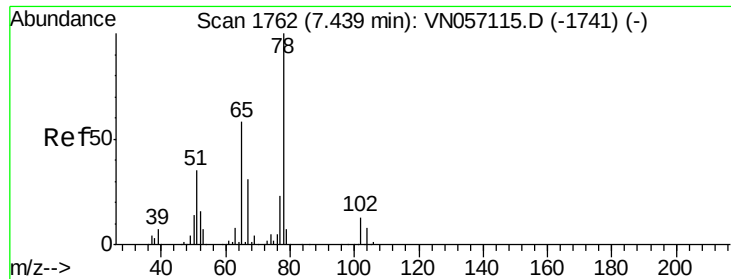
MMDadoda
8/14/2019 9:23:13 AM



#32
1,1,1-Trichloroethane
Concen: 20.141 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		297024		
99	63.1	51.8	77.6		
61	40.5	32.7	49.1		





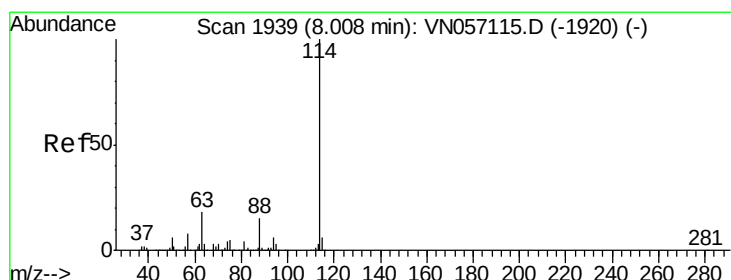
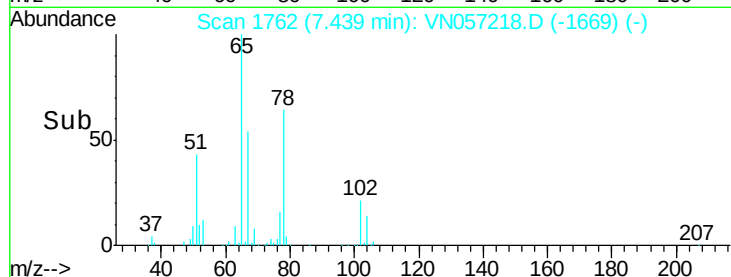
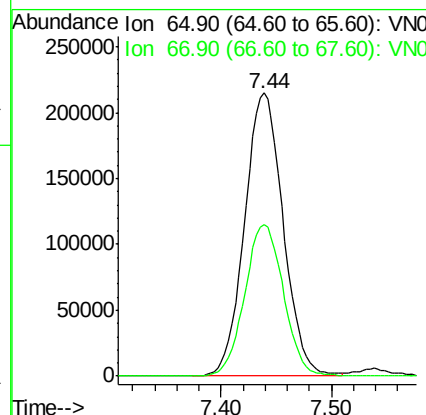
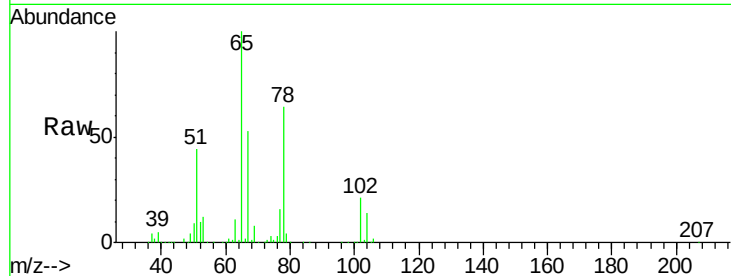
#33
 1,2-Dichloroethane-d4
 Concen: 49.366 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	0.0	108.2	

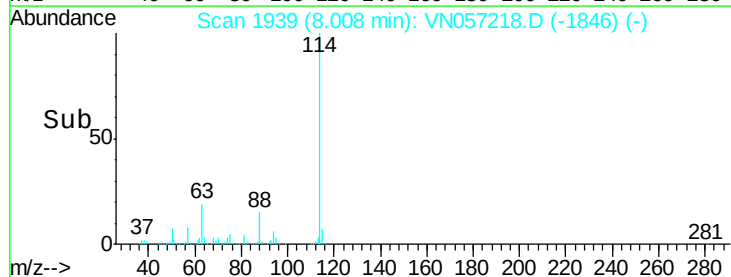
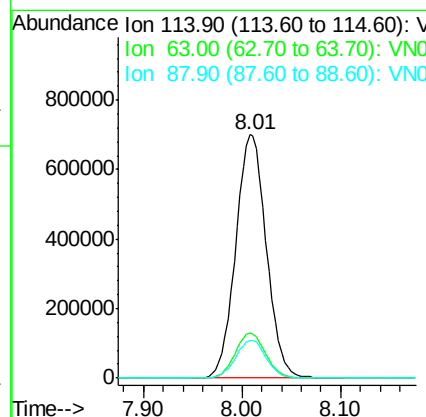
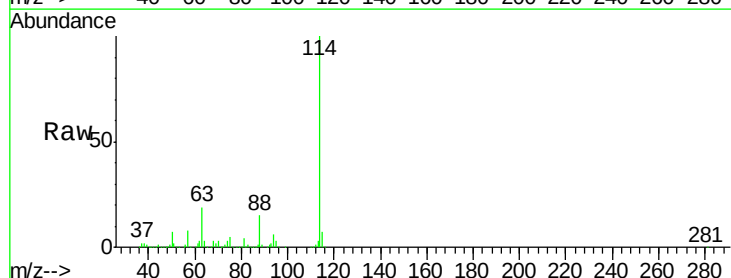
Manual Integrations
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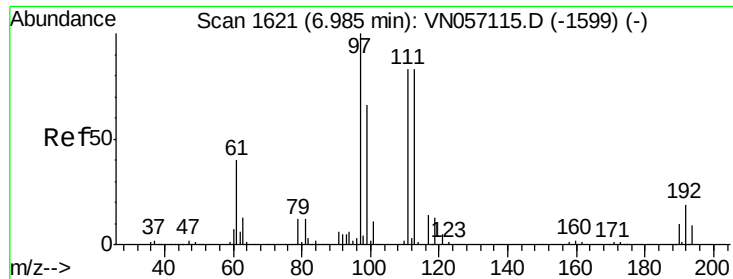
MMDadoda
 8/14/2019 9:23:13 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7	0.0	36.2	
88	15.3	0.0	30.0	





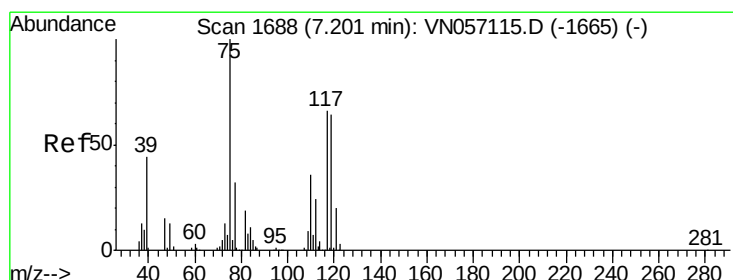
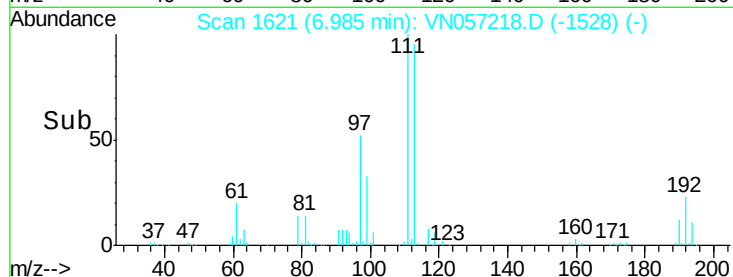
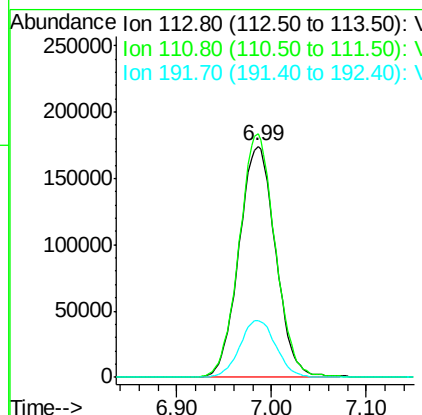
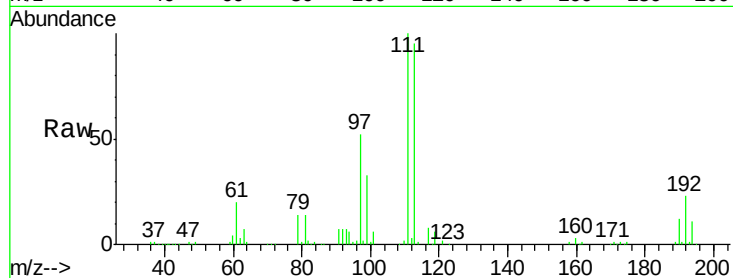
#35
 Dibromofluoromethane
 Concen: 49.312 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	467794		
111	103.9	81.3	121.9	
192	24.4	19.0	28.4	

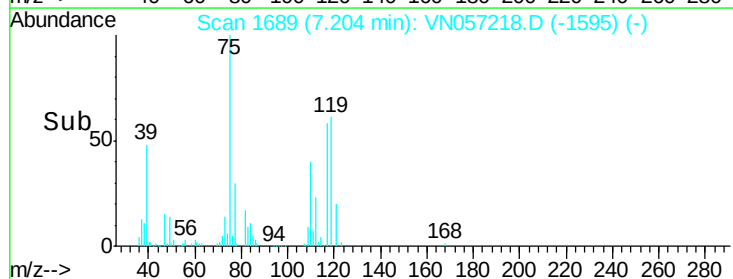
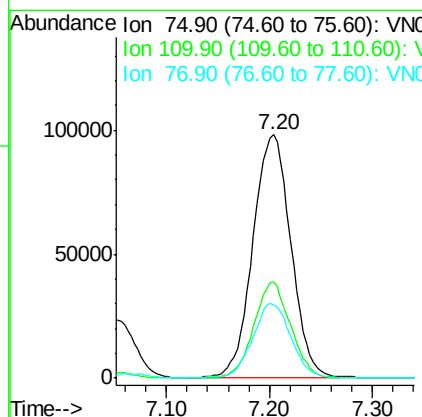
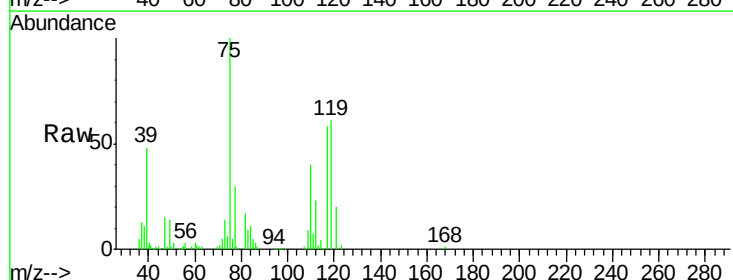
Manual Integrations
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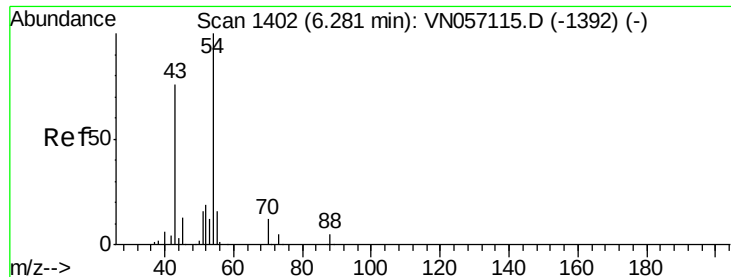
MMDadoda
 8/14/2019 9:23:13 AM



#36
 1,1-Dichloropropene
 Concen: 20.054 ug/l
 RT: 7.20 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	249615		
110	38.5	18.7	56.1	
77	31.3	25.0	37.4	





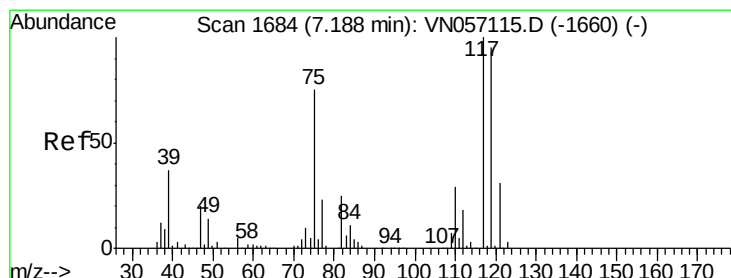
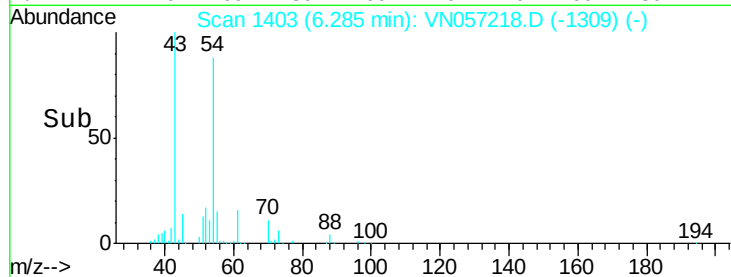
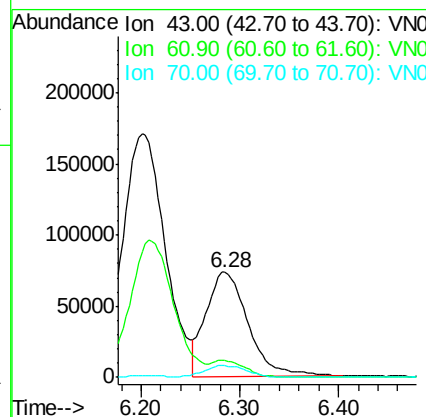
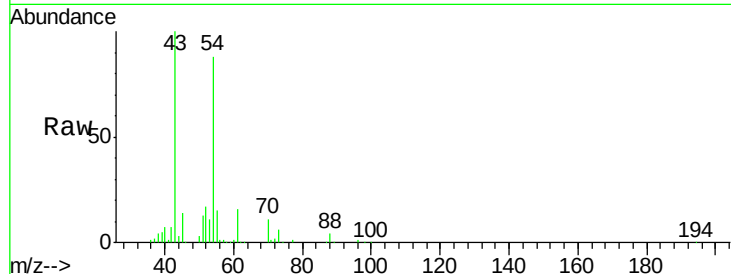
#37
Ethyl Acetate
Concen: 21.122 ug/l
RT: 6.28 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	11.6	9.1	13.7

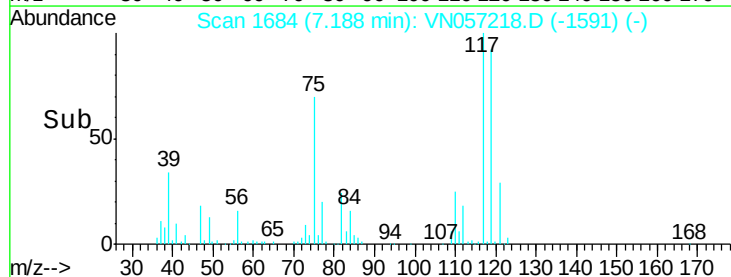
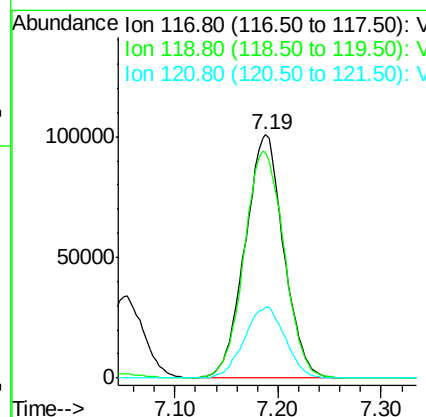
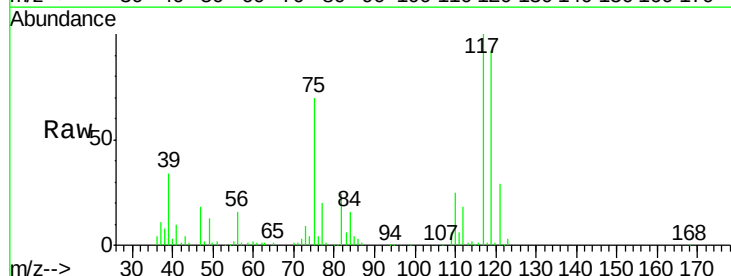
Manual Integrations
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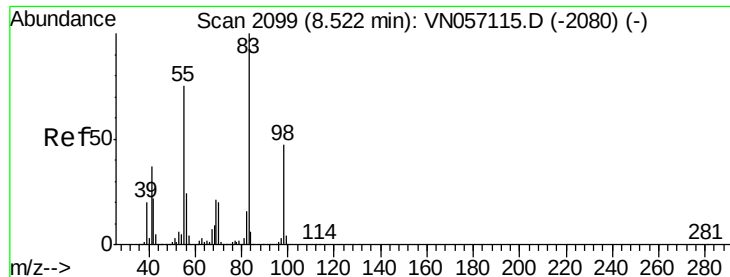
MMDadoda
8/14/2019 9:23:13 AM



#38
Carbon Tetrachloride
Concen: 20.226 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	75.8	113.6
121	29.3	24.4	36.6





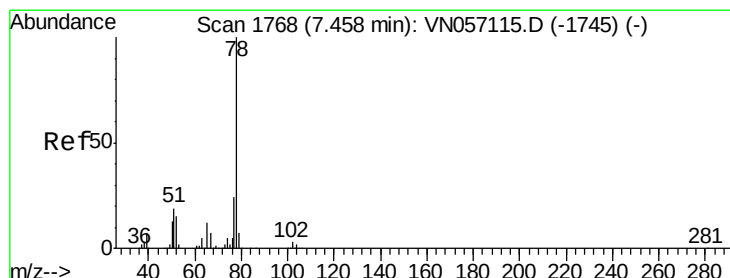
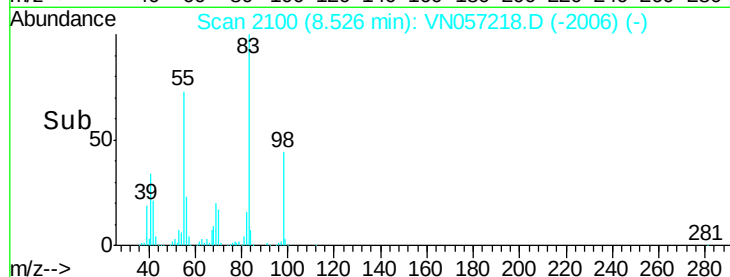
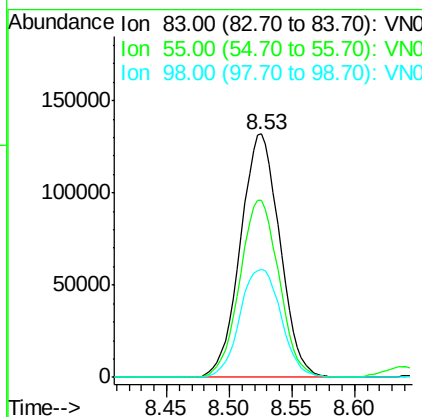
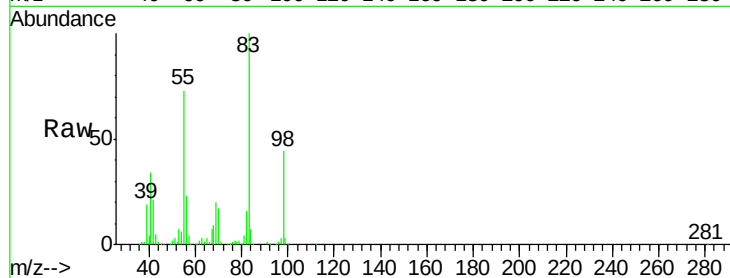
#39
Methylvlcyclohexane
Concen: 19.058 ug/l
RT: 8.53 min Scan# 2100
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	288470		
55	72.7		60.3	90.5
98	44.4		37.9	56.9

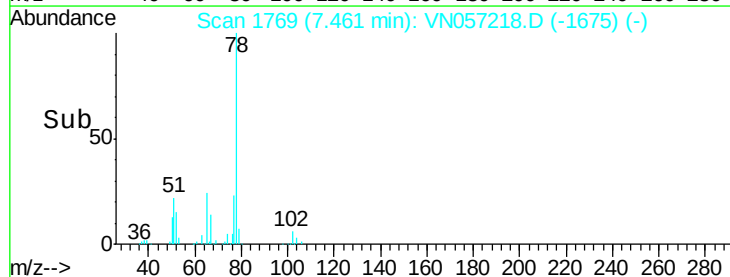
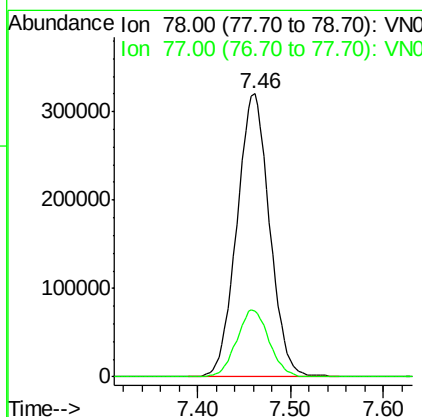
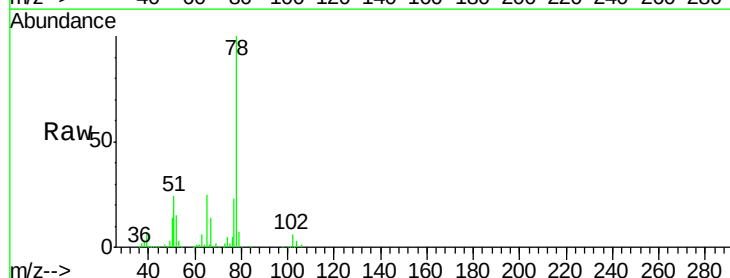
Manual Integrations
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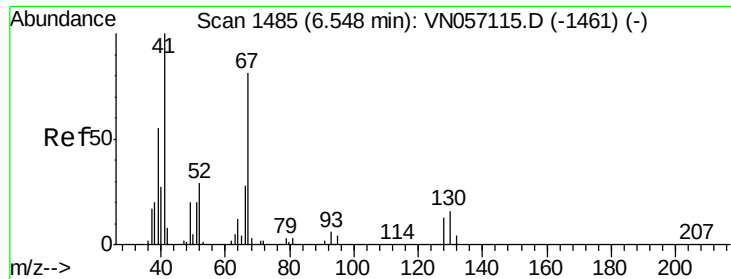
MMDadoda
8/14/2019 9:23:13 AM



#40
Benzene
Concen: 19.862 ug/l
RT: 7.46 min Scan# 1769
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	782636		
77	23.3		19.2	28.8





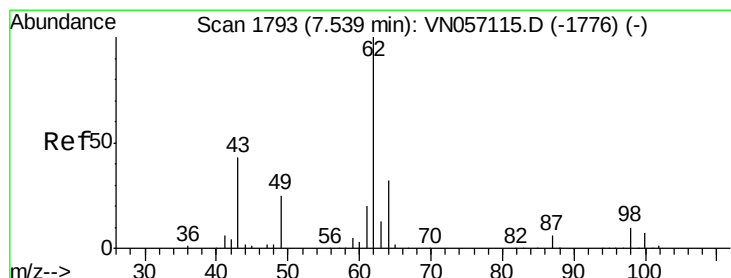
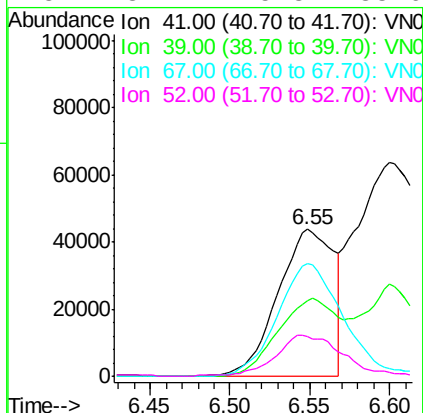
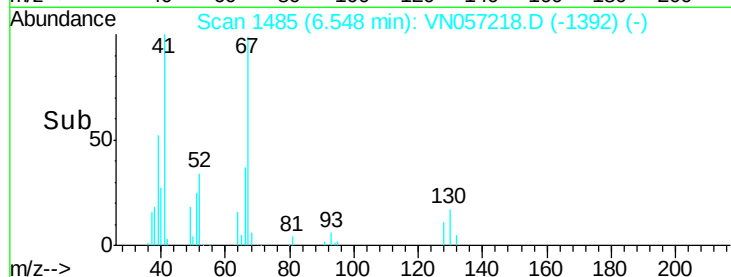
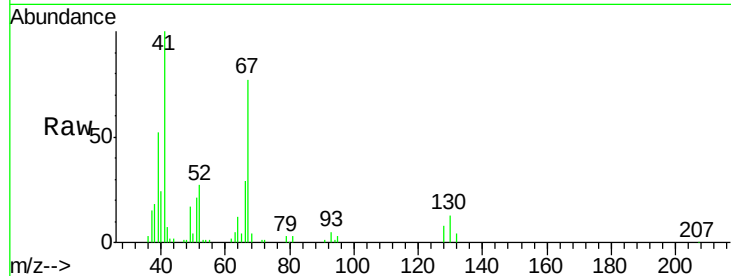
#41
Methacrylonitrile
Concen: 20.394 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	44.9	67.3	
67	90.4	69.1	103.7	
52	34.2	25.8	38.6	

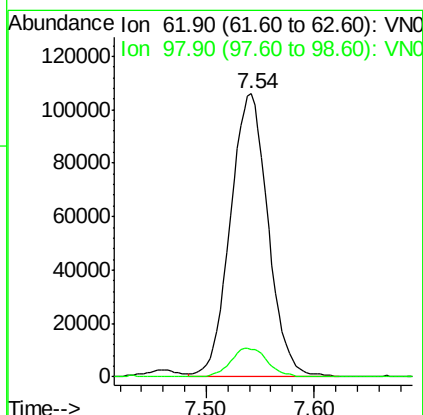
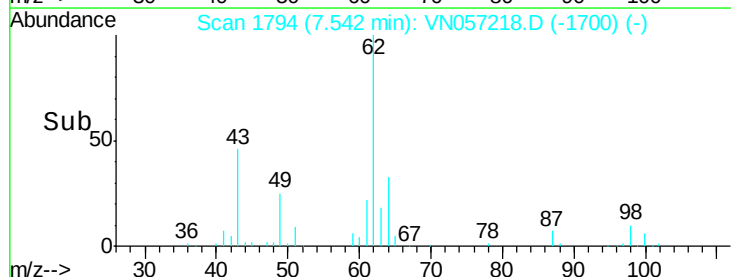
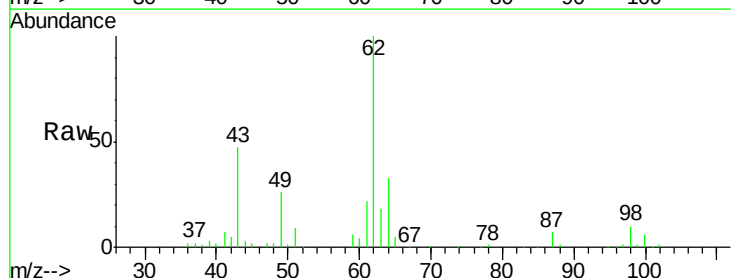
Manual Integrations
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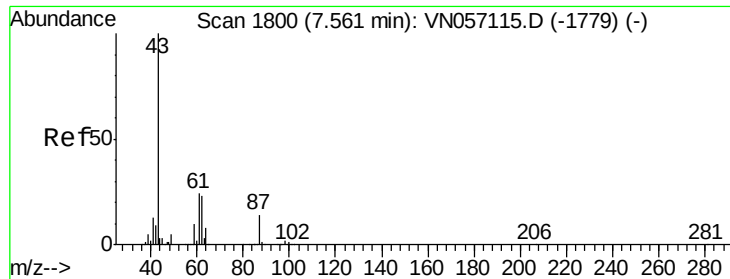
MMDadoda
8/14/2019 9:23:13 AM



#42
1,2-Dichloroethane
Concen: 20.377 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.4	





#43

Isopropyl Acetate

Concen: 20.803 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

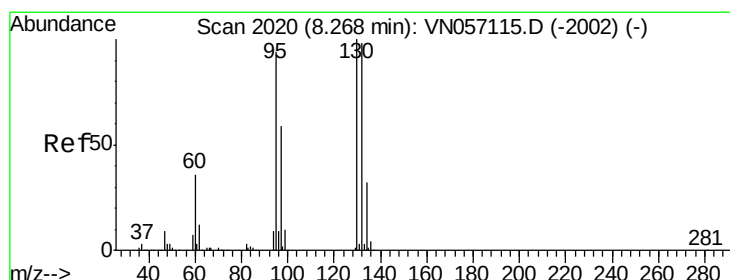
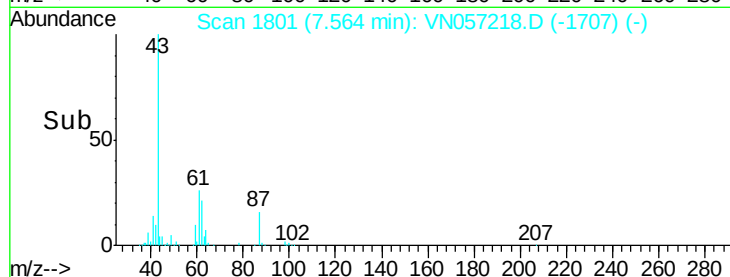
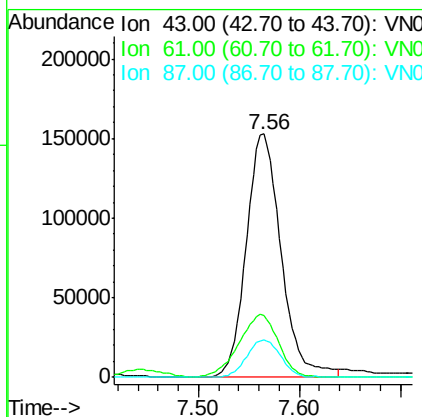
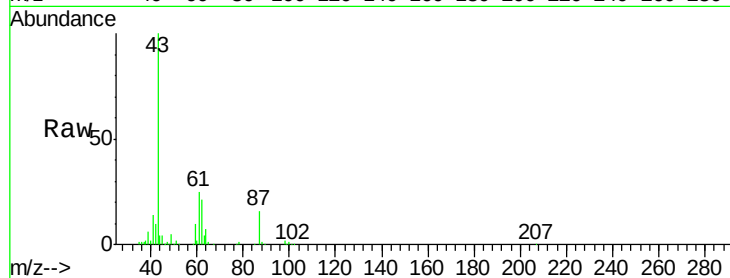
ClientSampleId :

VN0812WBSD02

Tot Ion:	43	Resp:	364255
Ion	Ratio	Lower	Upper
43	100		
61	29.0	24.2	36.2
87	15.1	11.8	17.8

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#44

Trichloroethene

Concen: 20.055 ug/l

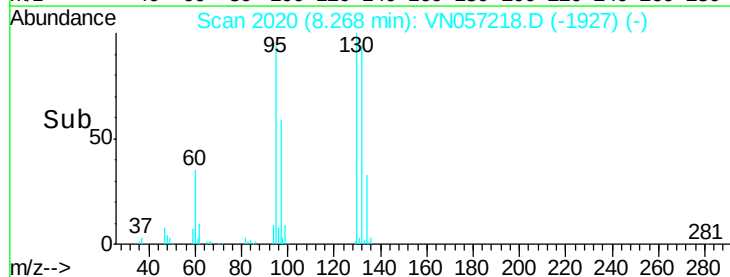
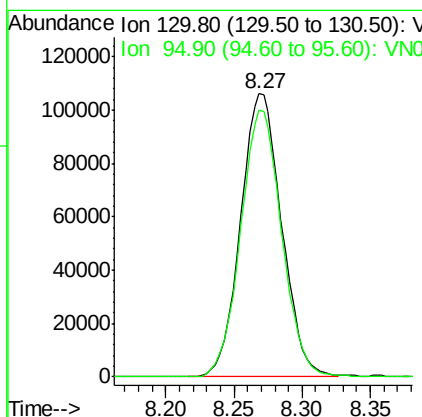
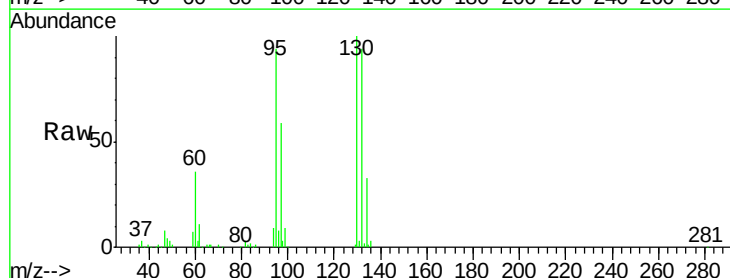
RT: 8.27 min Scan# 2020

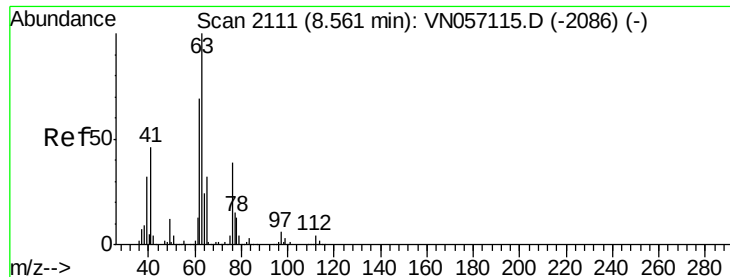
Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Tgt Ion:	130	Resp:	221398
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	187.4





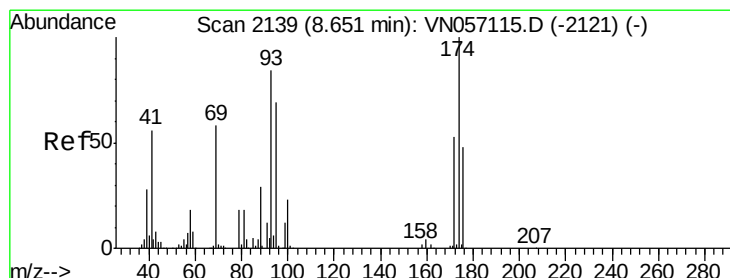
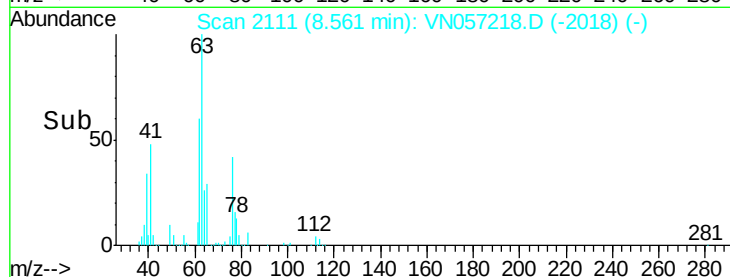
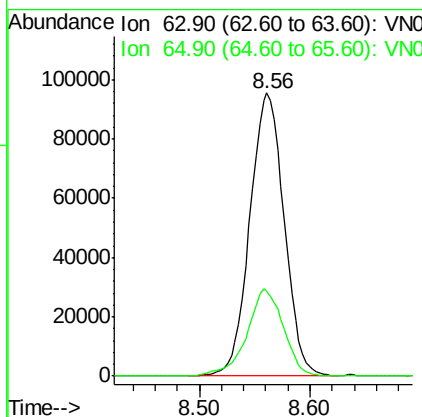
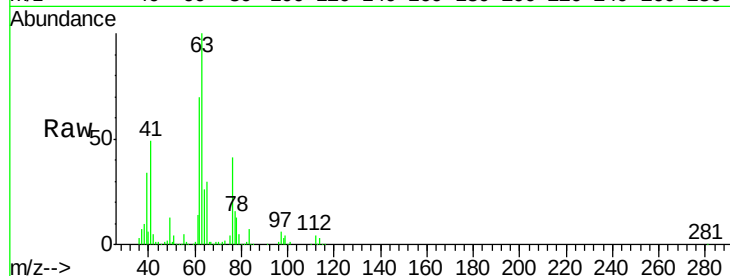
#45
 1,2-Dichloropropane
 Concen: 20.196 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	25.2	37.8

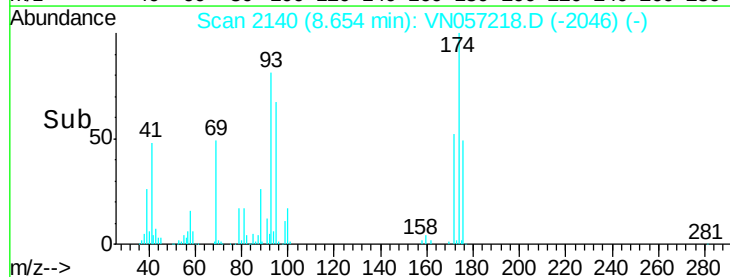
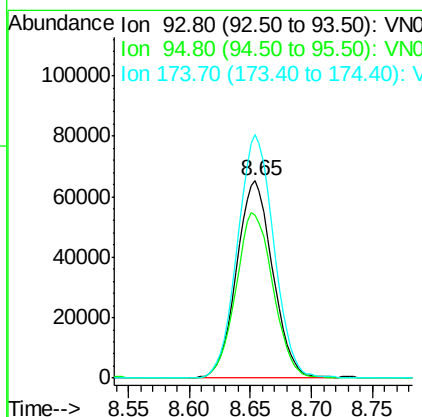
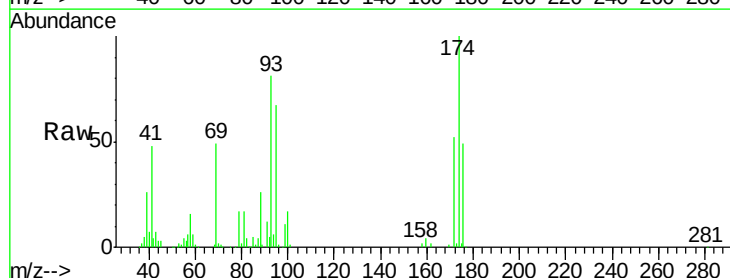
Manual Integrations
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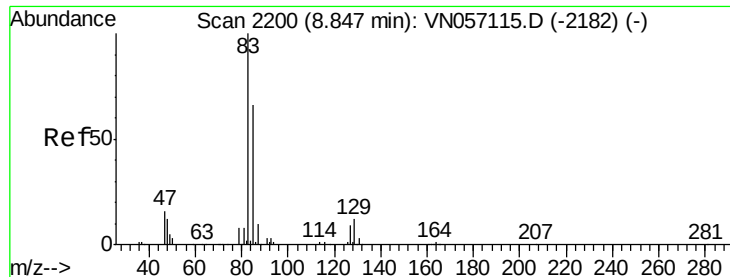
MMDadoda
 8/14/2019 9:23:13 AM



#46
 Dibromomethane
 Concen: 20.496 ug/l
 RT: 8.65 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.5	66.0	99.0
174	123.9	96.0	144.0





#47

Bromodichloromethane

Concen: 20.938 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

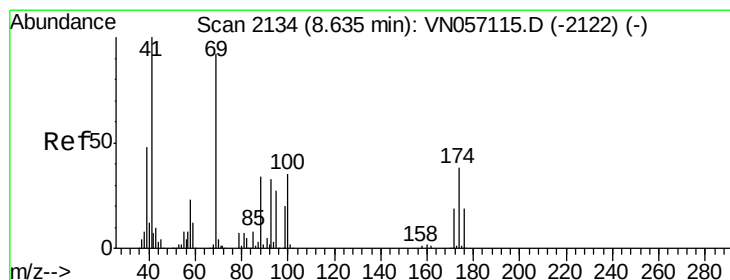
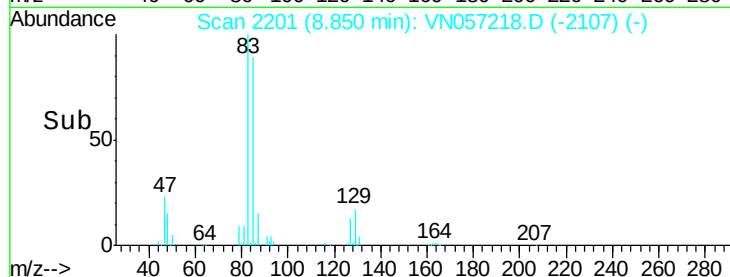
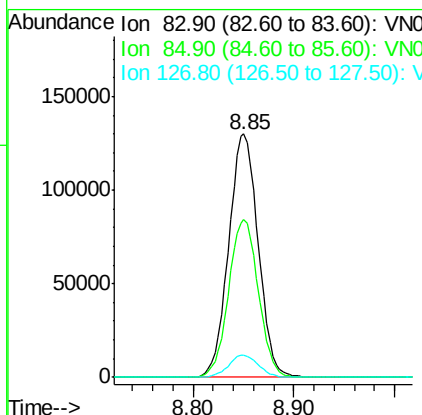
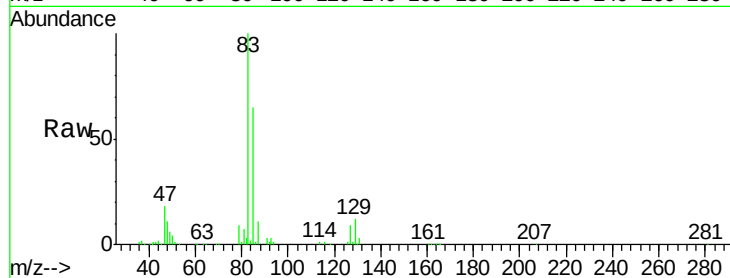
ClientSampleId :

VN0812WBSD02

Tot Ion:	83	Resp:	265036
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.6	78.8
127	9.2	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.966 ug/l

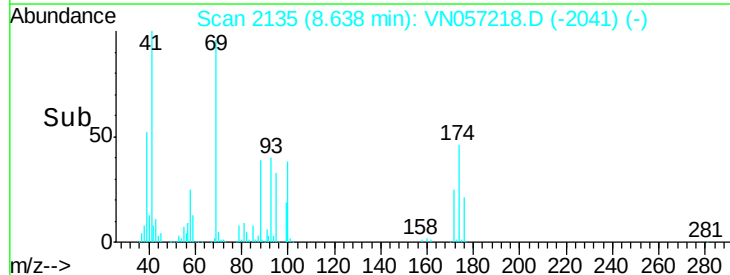
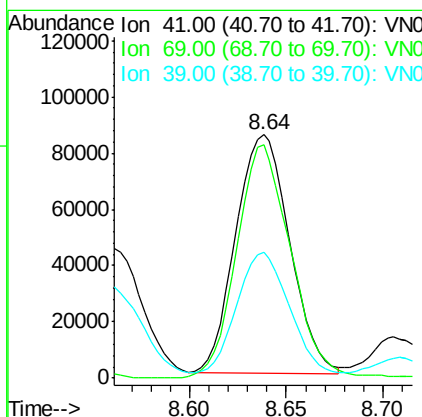
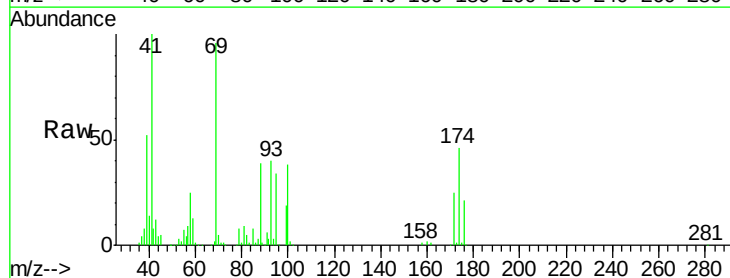
RT: 8.64 min Scan# 2135

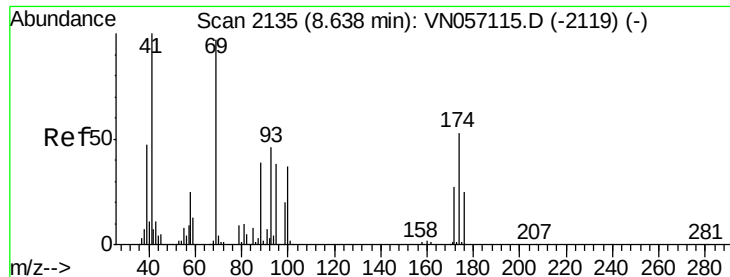
Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Tgt Ion:	41	Resp:	164851
Ion	Ratio	Lower	Upper
41	100		
69	98.2	77.5	116.3
39	53.4	39.8	59.6





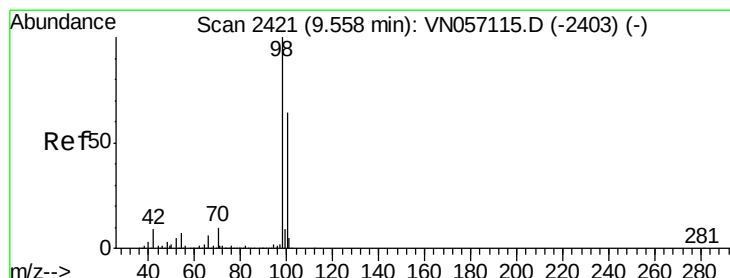
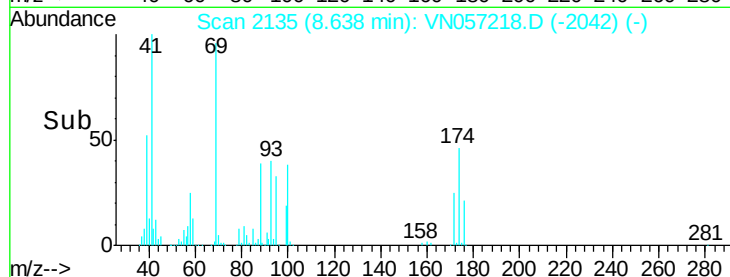
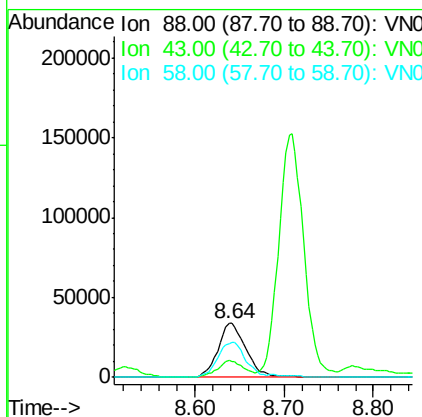
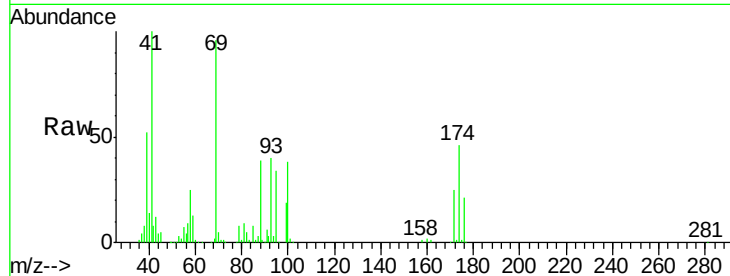
#49
1,4-Dioxane
Concen: 442.368 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	88	Resp	74390
Ion Ratio	100	Lower	Upper
88	100		
43	26.8	21.7	32.5
58	63.6	51.1	76.7

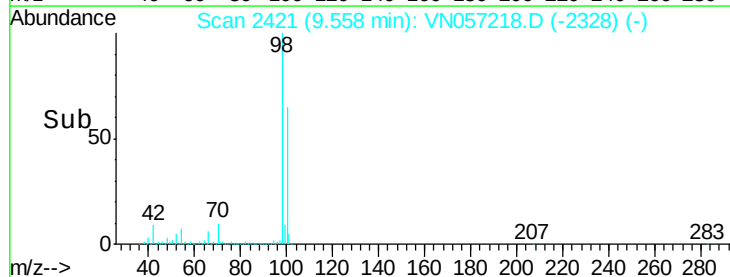
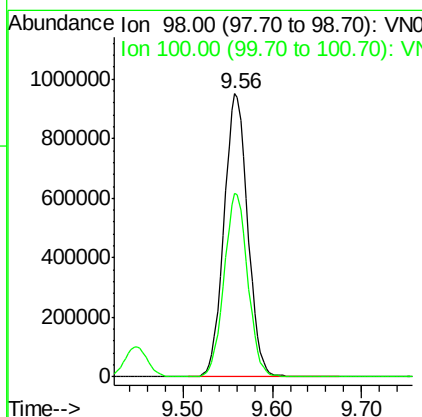
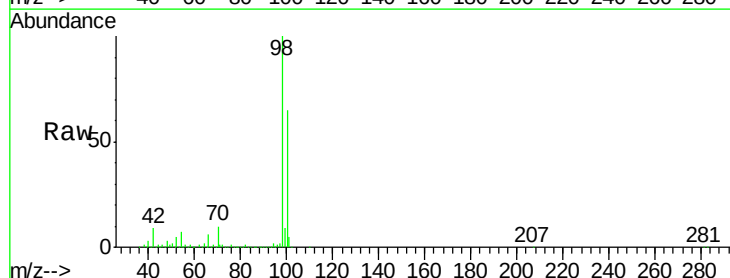
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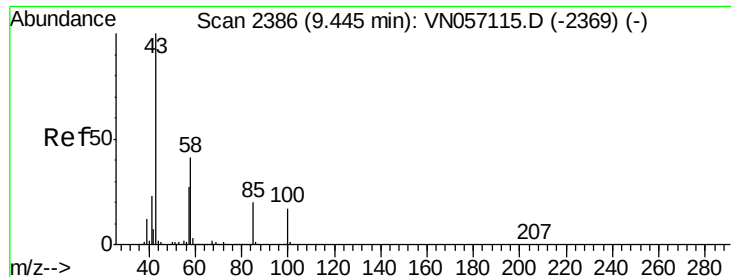
MMDadoda
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#50
Toluene-d8
Concen: 48.118 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion	98	Resp	1746385
Ion Ratio	100	Lower	Upper
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 104.455 ug/l

RT: 9.45 min Scan# 2387

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 43 Resp: 1064466

Ion Ratio Lower Upper

43 100

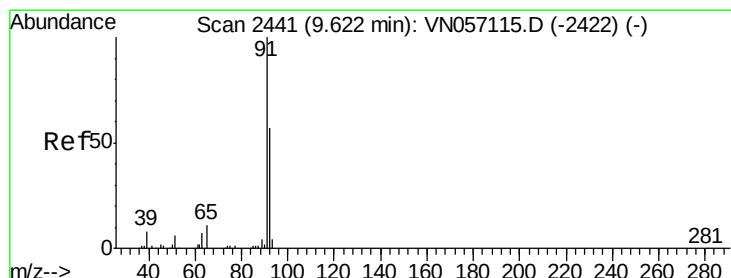
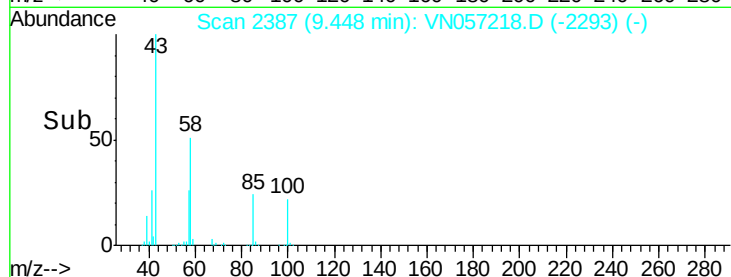
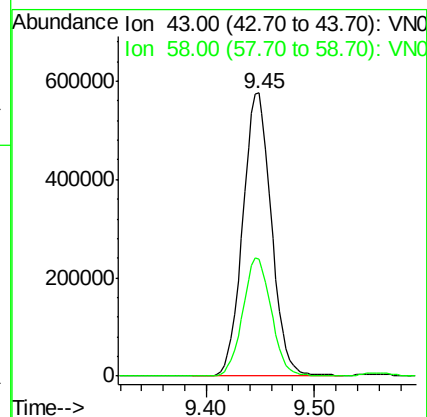
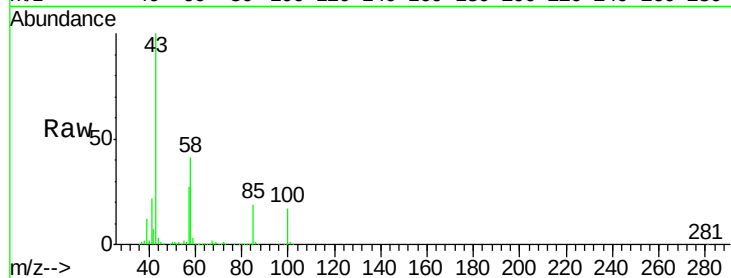
58 41.7 33.2 49.8

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#52

Toluene

Concen: 20.123 ug/l

RT: 9.63 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VN057218.D

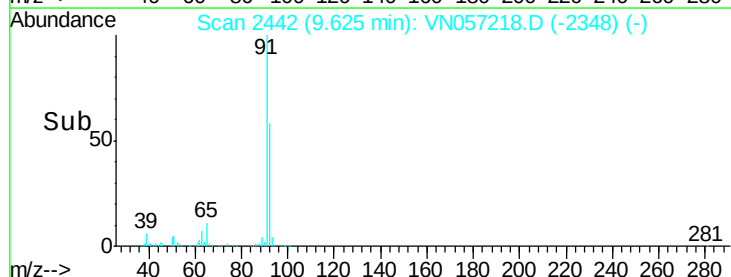
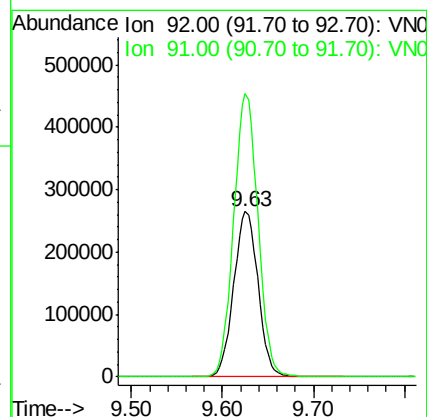
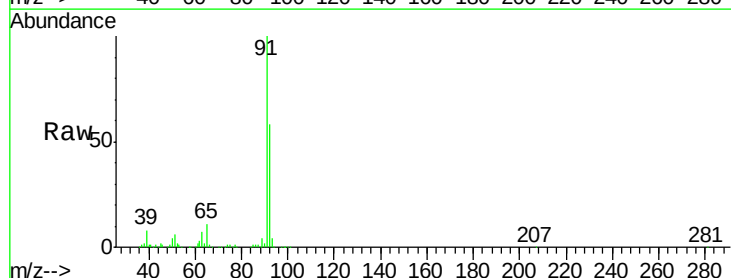
Acq: 12 Aug 2019 16:26

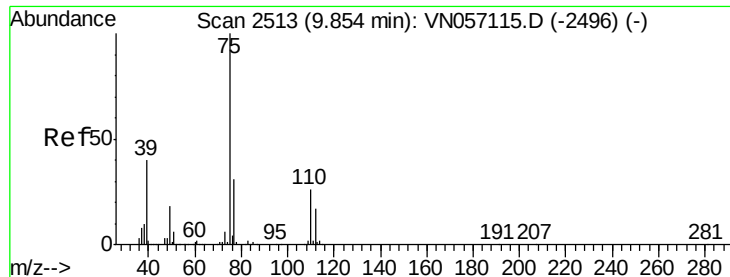
Tgt Ion: 92 Resp: 492177

Ion Ratio Lower Upper

92 100

91 171.3 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 20.638 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 75 Resp: 272913

Ion Ratio Lower Upper

75 100

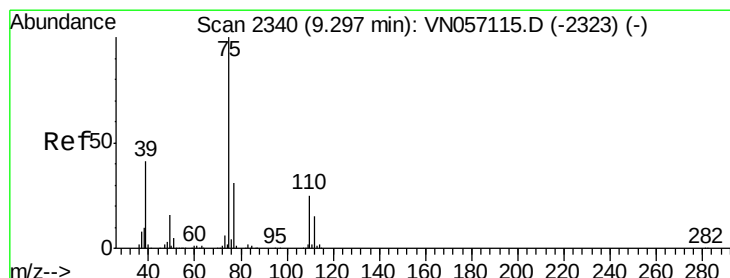
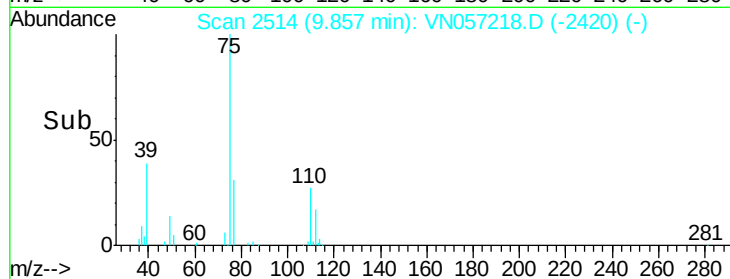
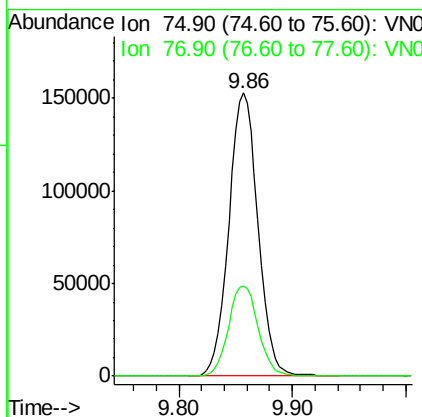
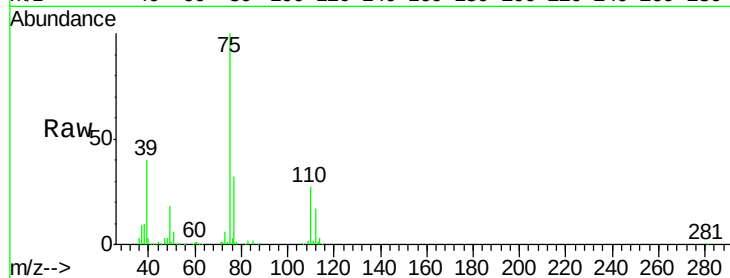
77 31.9 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 20.844 ug/l

RT: 9.30 min Scan# 2341

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

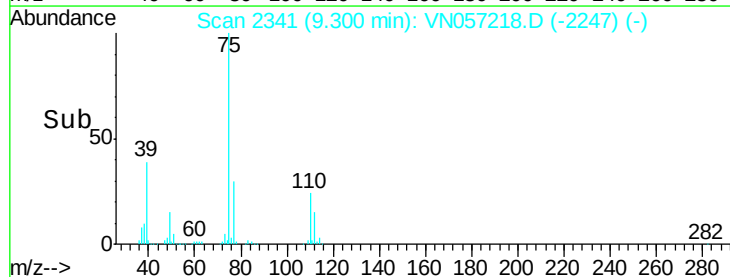
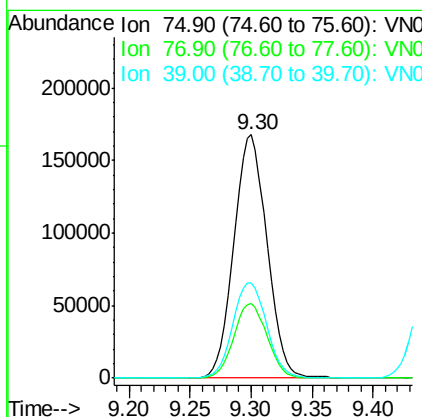
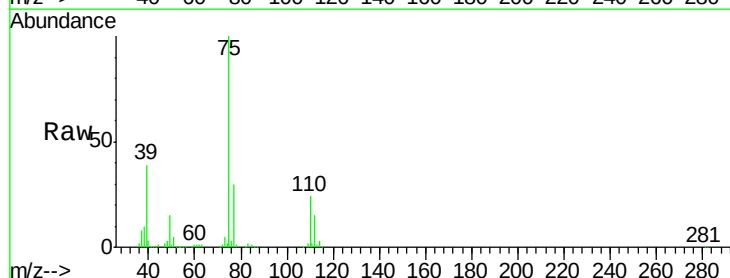
Tgt Ion: 75 Resp: 316275

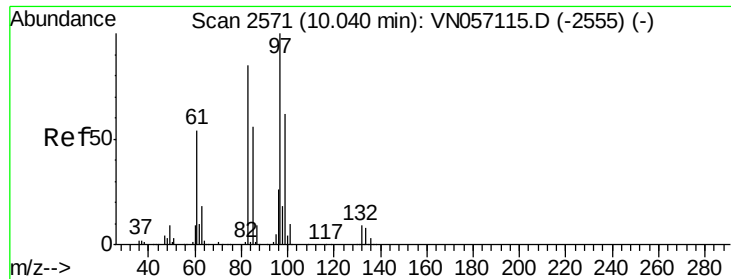
Ion Ratio Lower Upper

75 100

77 30.4 25.1 37.7

39 39.2 32.5 48.7





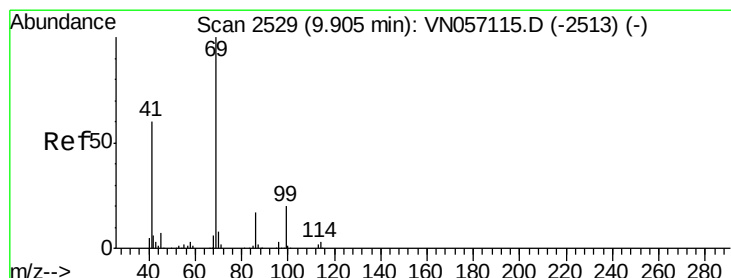
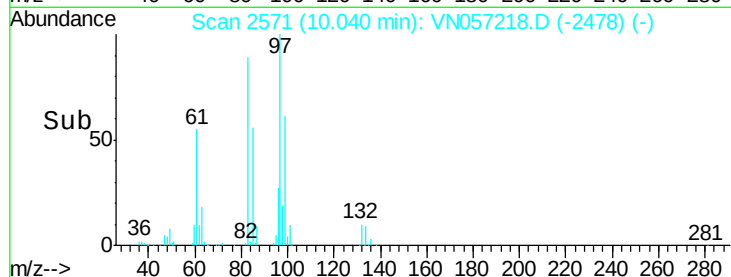
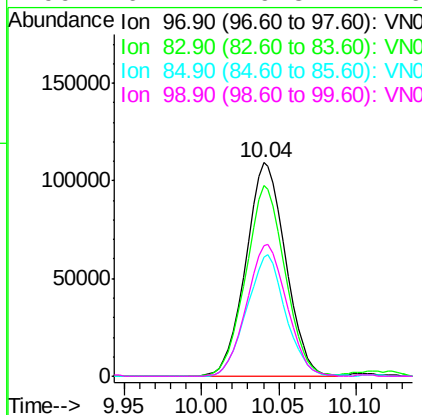
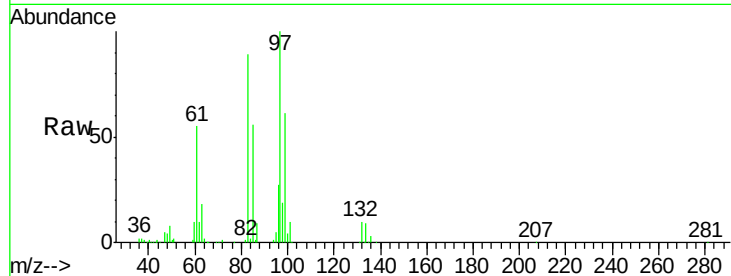
#55
 1,1,2-Trichloroethane
 Concen: 20.380 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		196023		
83	89.1	67.8	101.8		
85	55.7	44.4	66.6		
99	61.4	49.8	74.6		

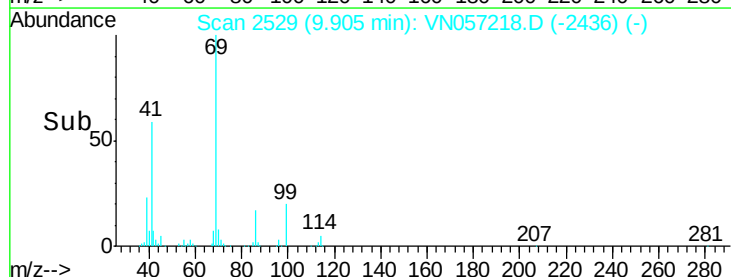
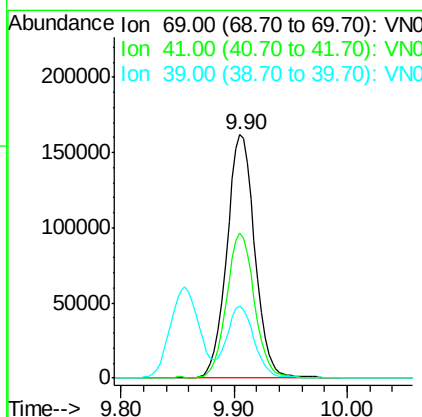
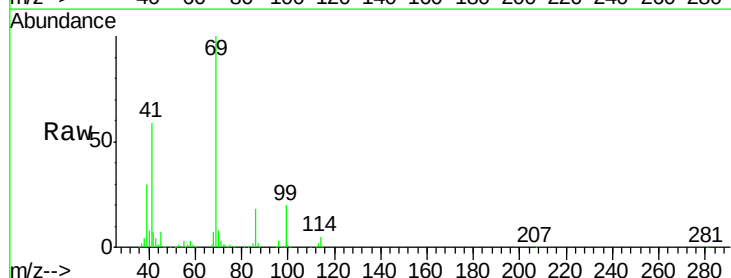
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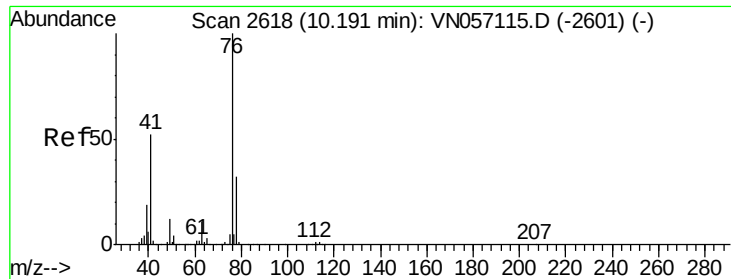
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#56
 Ethyl methacrylate
 Concen: 20.685 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		278560		
41	58.6	48.1	72.1		
39	28.9	23.6	35.4		





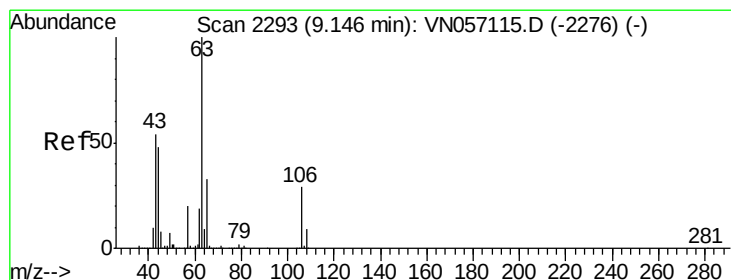
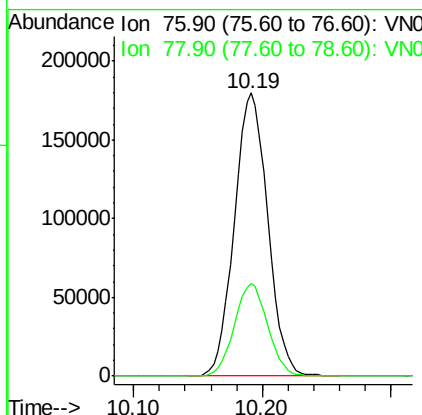
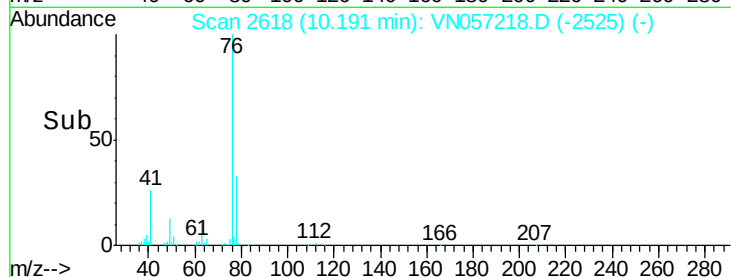
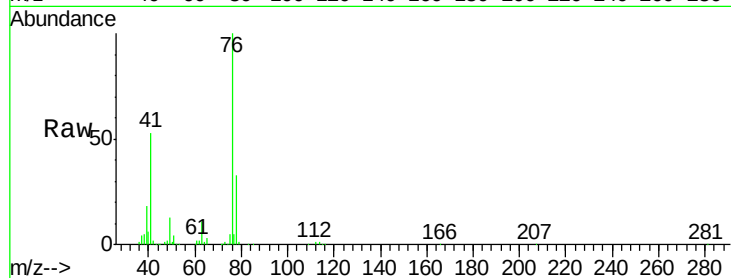
#57
 1,3-Dichloropropane
 Concen: 20.352 ug/l
 RT: 10.19 min Scan# 2618
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9

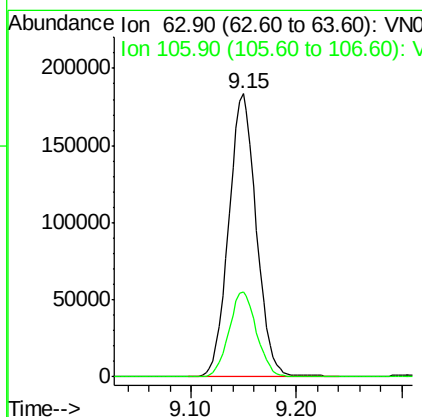
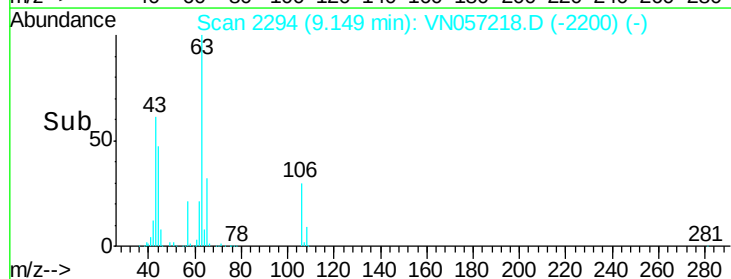
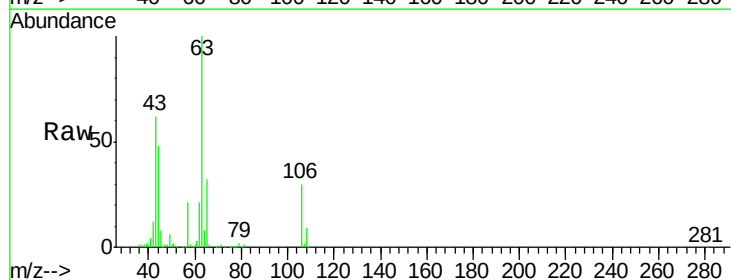
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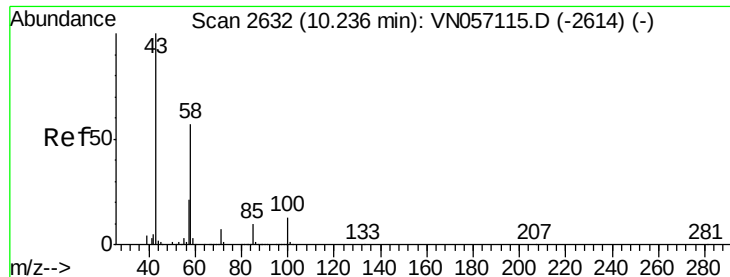
MMDadoda
 8/14/2019 9:23:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 71.741 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	22.6	33.8





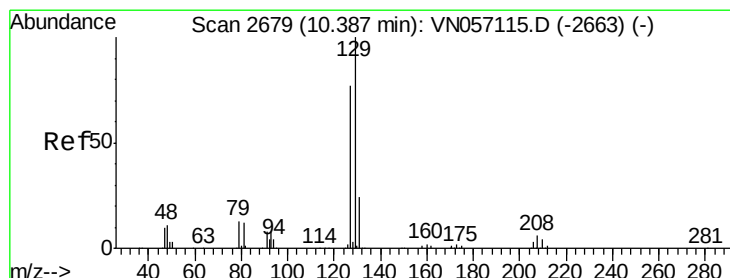
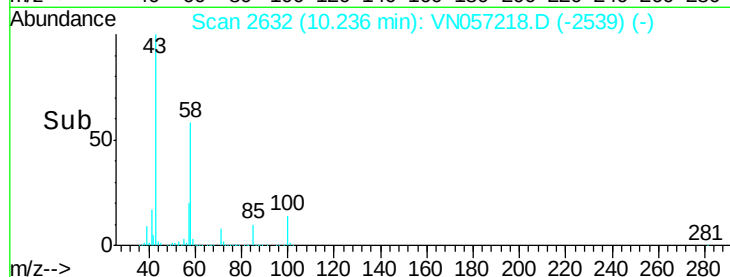
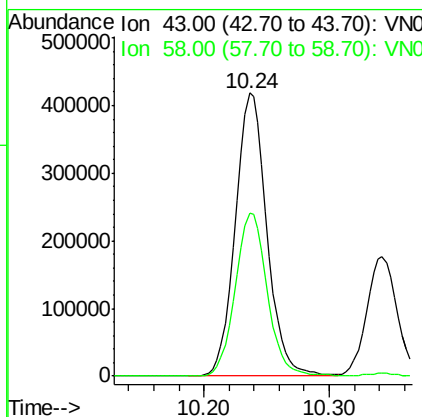
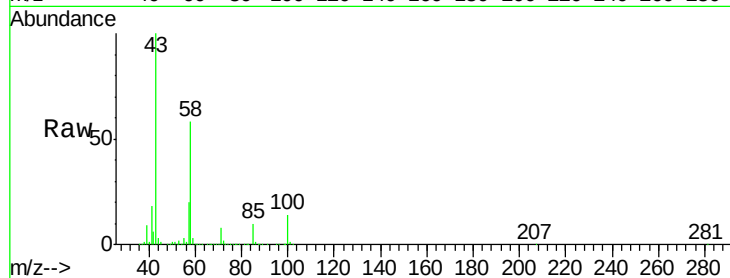
#59
2-Hexanone
Concen: 105.852 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.6	29.2	87.6

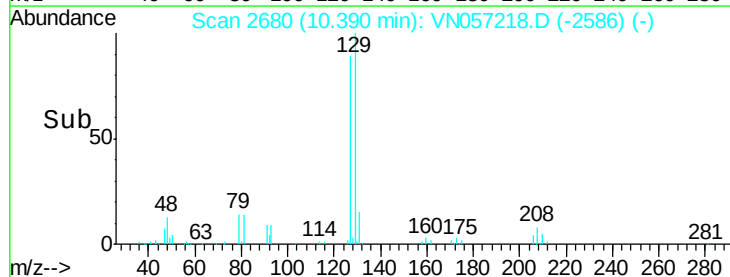
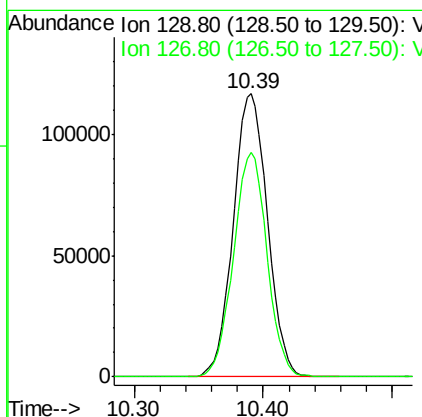
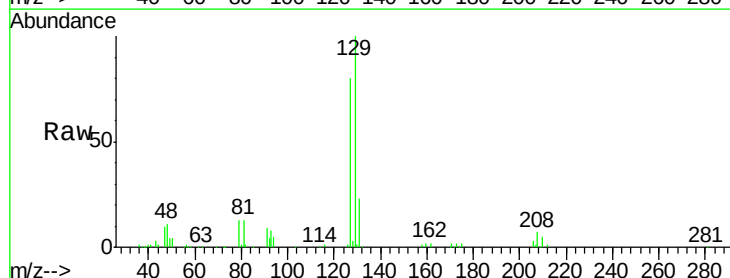
Manual Integrations
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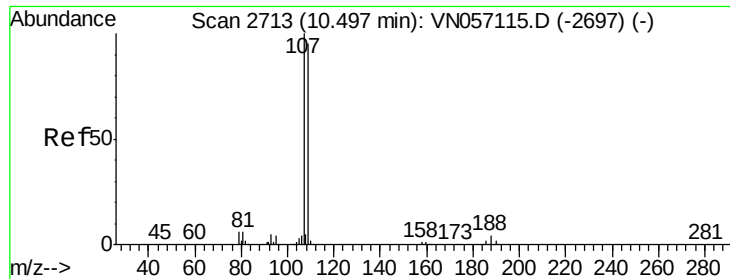
MMDadoda
8/14/2019 9:23:13 AM



#60
Dibromochloromethane
Concen: 21.282 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	116.0





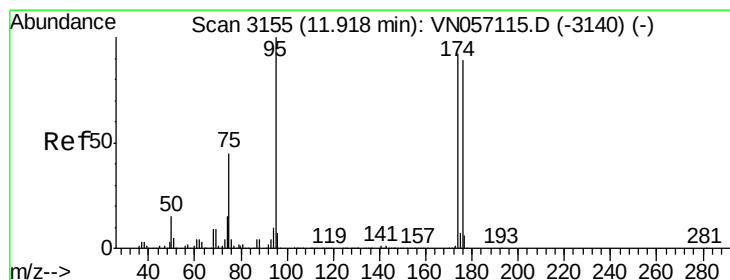
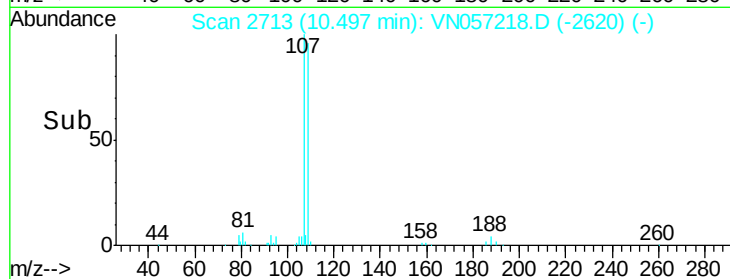
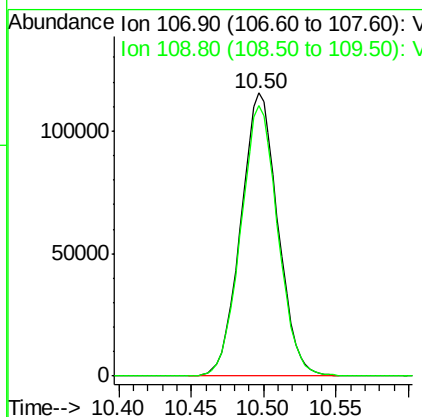
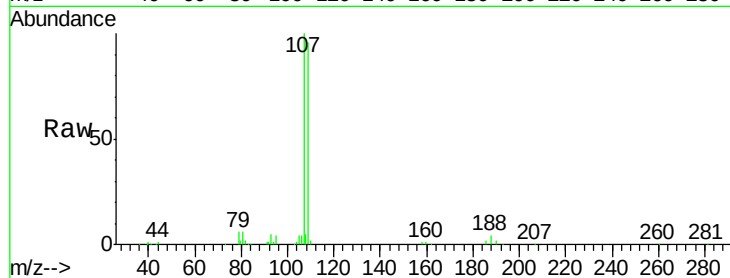
#61
 1,2-Dibromoethane
 Concen: 20.684 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	205292		
109	95.6	75.6	113.4	

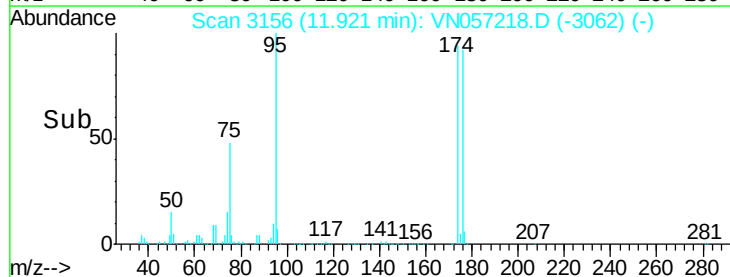
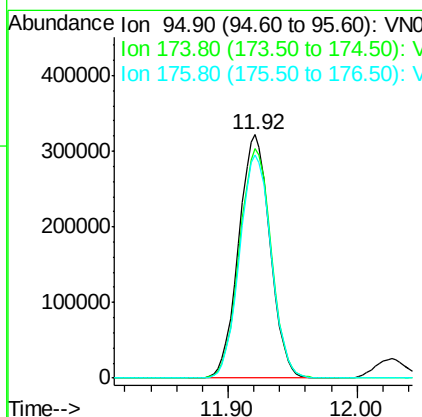
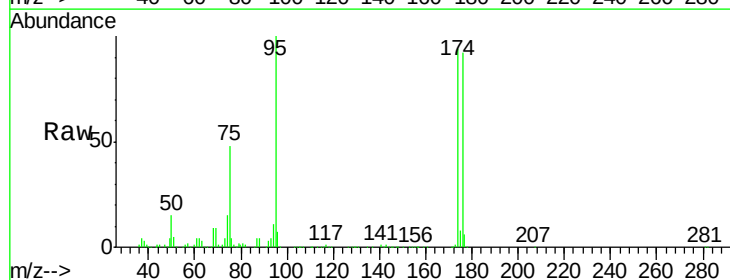
Manual Integrations
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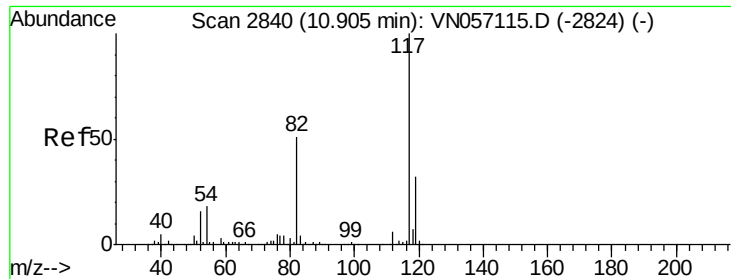
MMDadoda
 8/14/2019 9:23:13 AM



#62
 4-Bromofluorobenzene
 Concen: 46.517 ug/l
 RT: 11.92 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	543974		
174	95.7	0.0	185.0	
176	92.4	0.0	181.2	





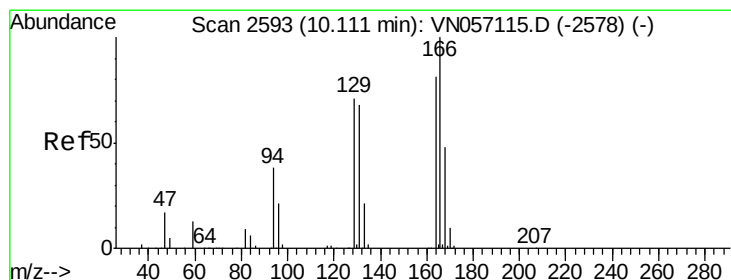
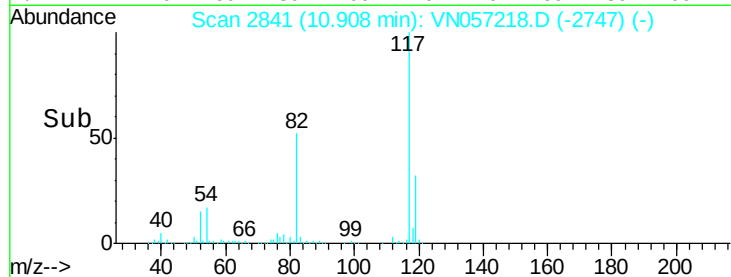
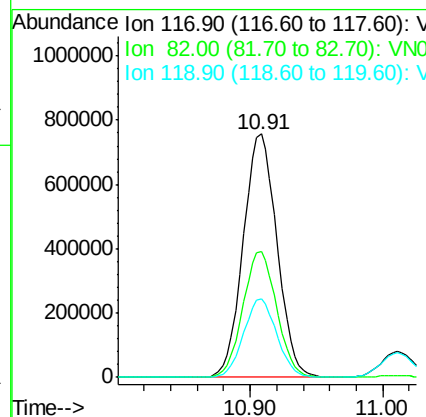
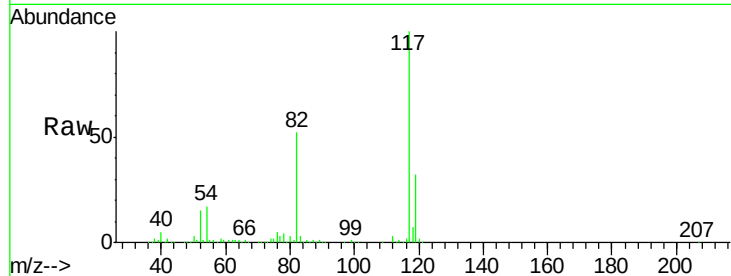
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	40.8	61.2
119	32.2	25.7	38.5

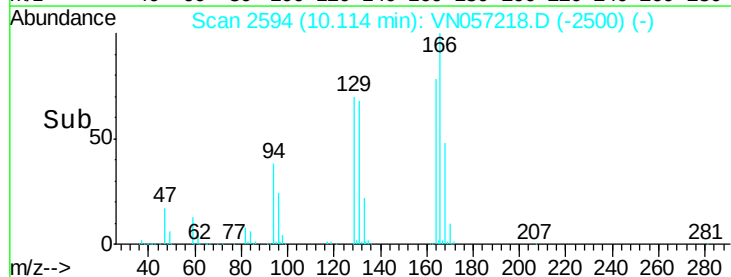
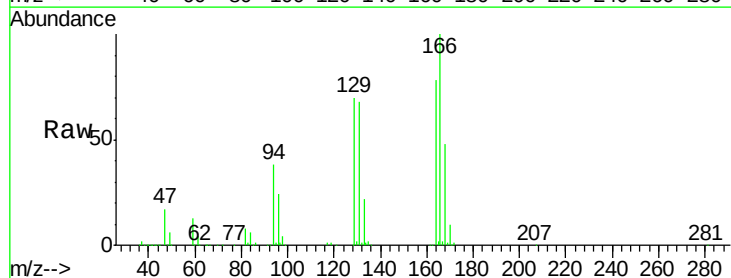
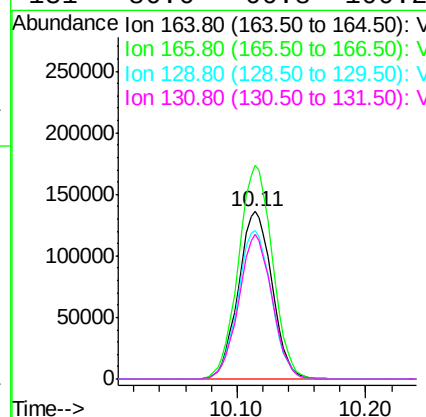
Manual Integrations
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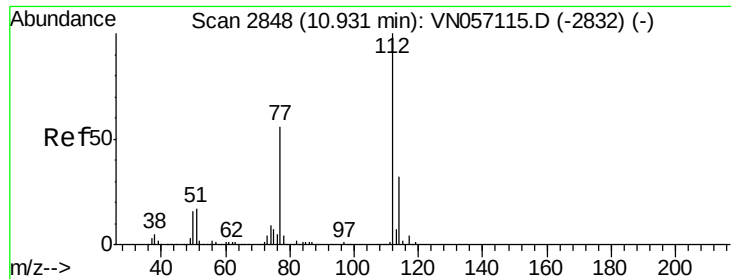
MMDadoda
8/14/2019 9:23:13 AM



#64
Tetrachloroethene
Concen: 22.256 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	98.3	147.5
129	89.0	69.8	104.6
131	86.6	66.8	100.2





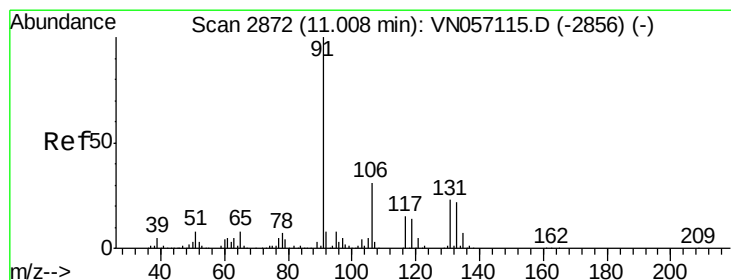
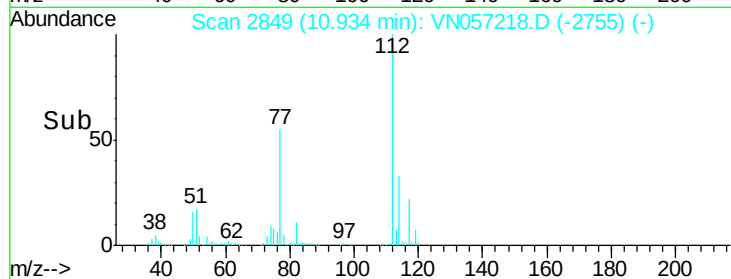
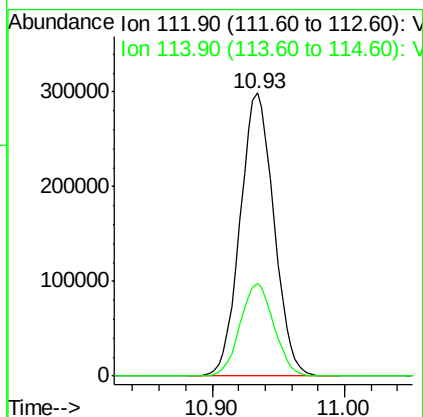
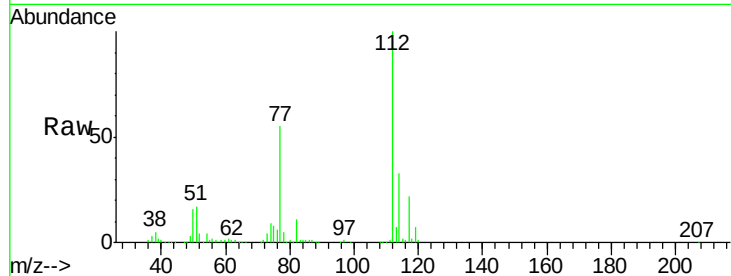
#65
Chlorobenzene
Concen: 19.631 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.2

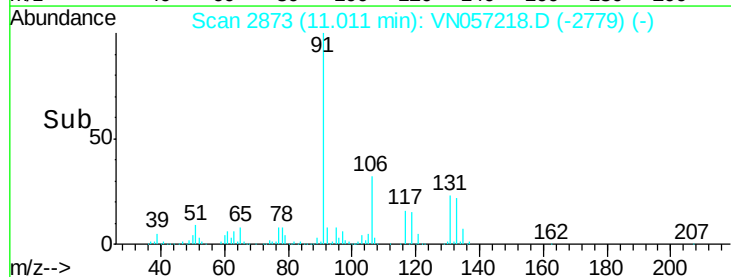
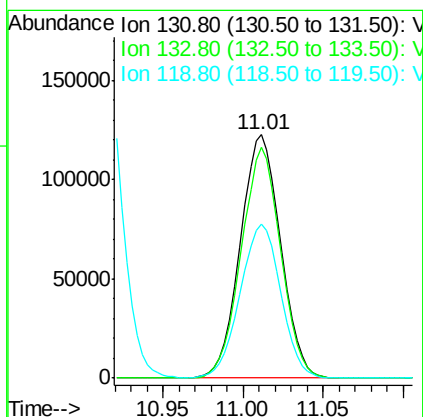
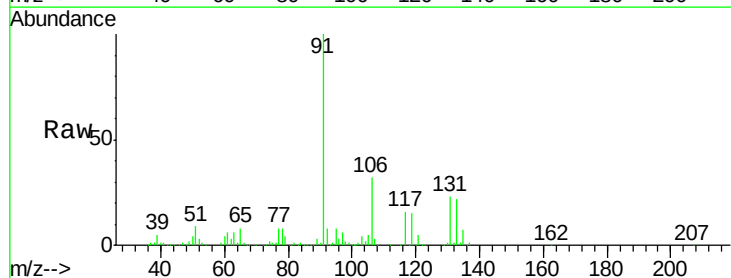
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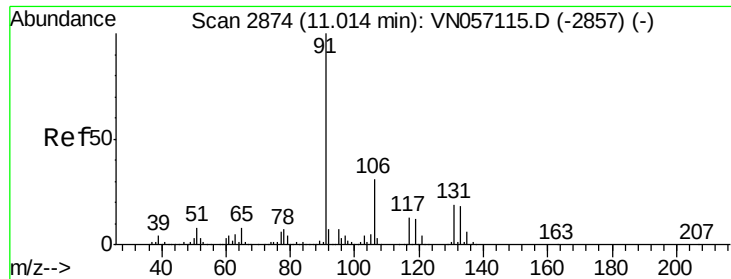
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.912 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	47.6	142.8
119	64.0	32.6	97.7





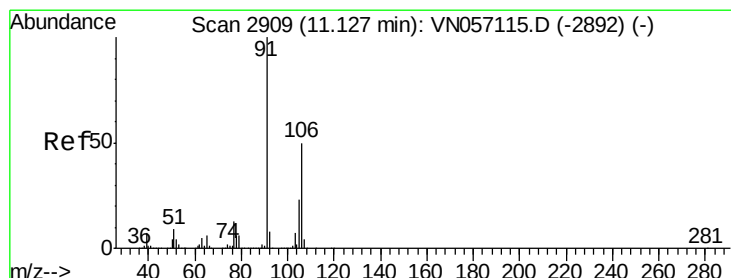
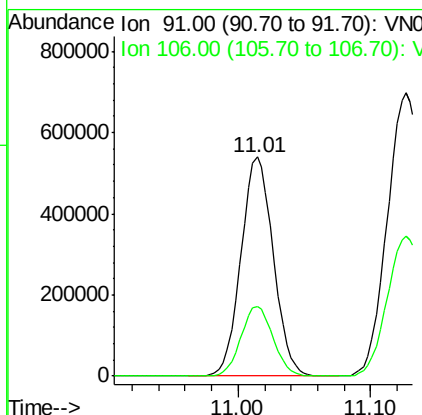
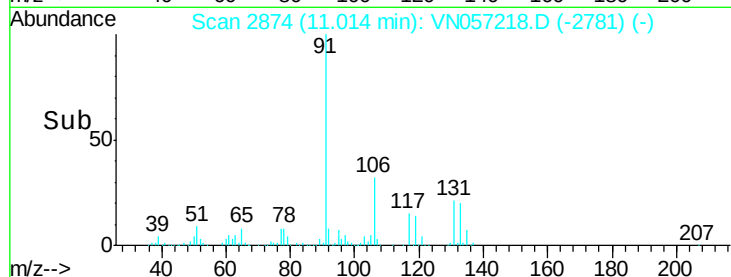
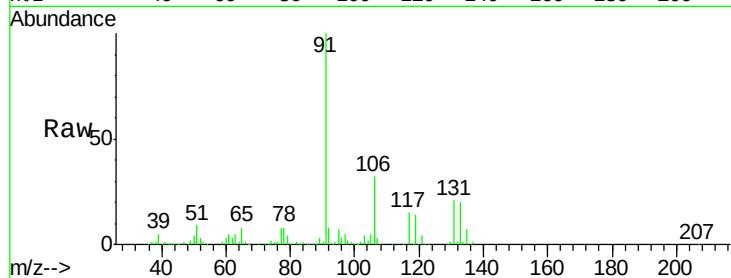
#67
Ethyl Benzene
Concen: 19.683 ug/l
RT: 11.01 min Scan# 2874
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		912368		
106	32.0	25.0	37.4		

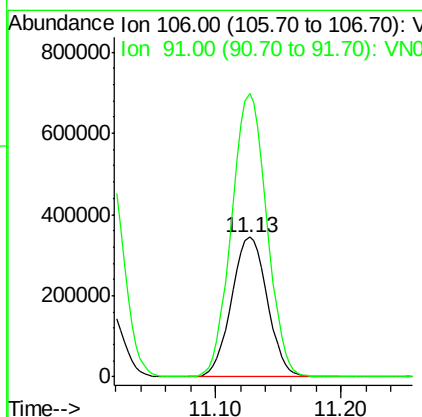
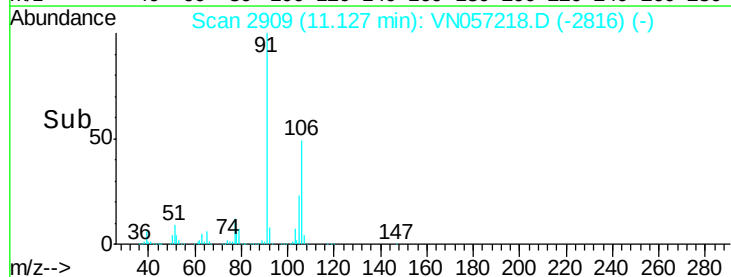
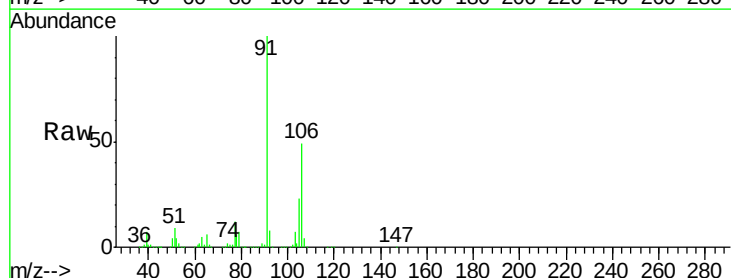
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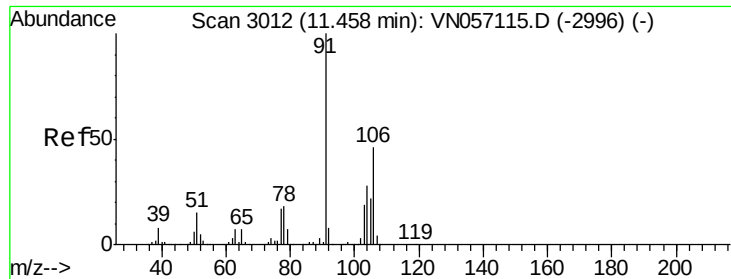
MMDadoda
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#68
m/p-Xylenes
Concen: 39.919 ug/l
RT: 11.13 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		681700		
91	199.0	159.8	239.8		





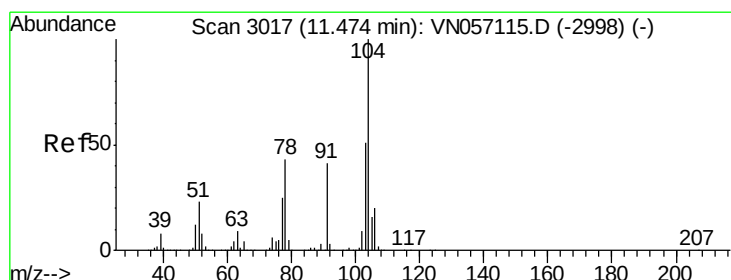
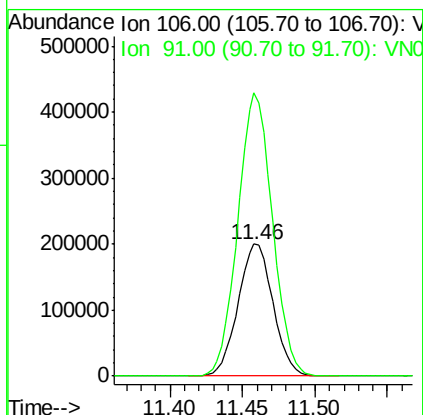
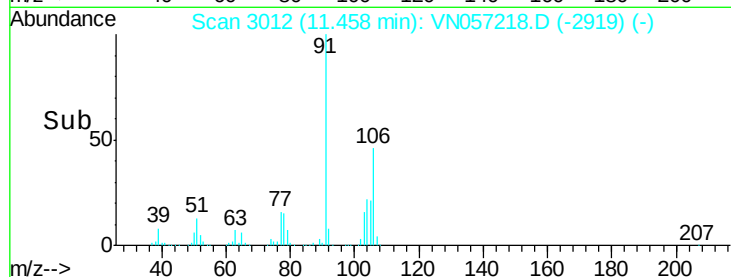
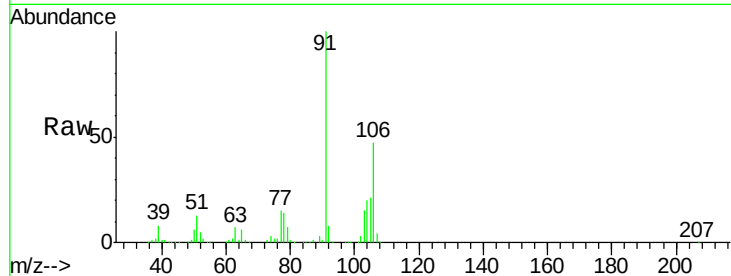
#69
o-Xylene
Concen: 19.757 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	335778		
91	211.8	106.8	320.5	

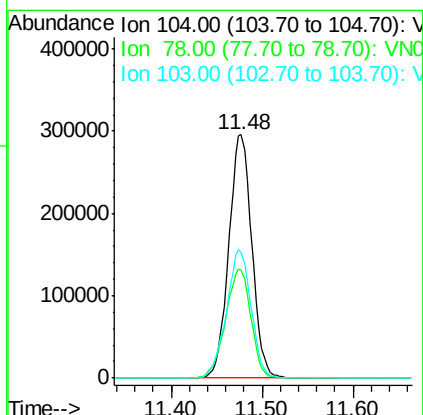
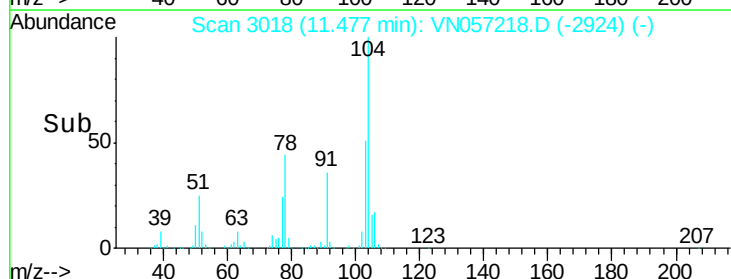
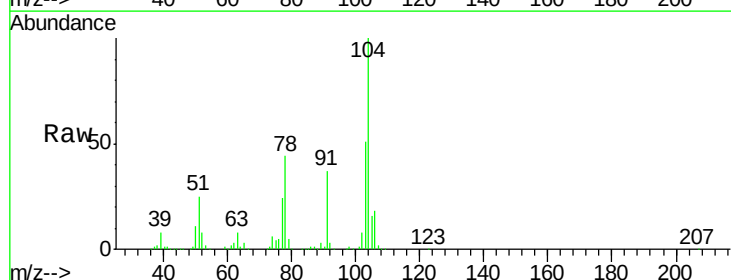
Manual Integrations
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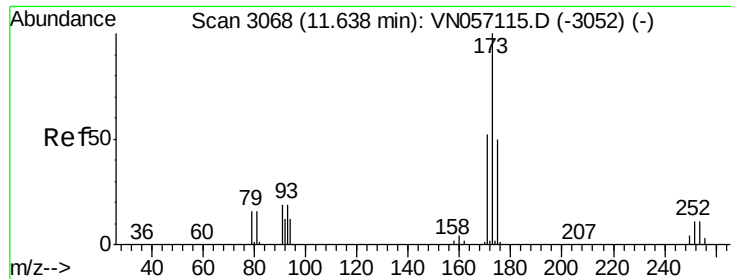
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8/14/2019 9:23:13 AM



#70
Styrene
Concen: 19.610 ug/l
RT: 11.48 min Scan# 3018
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	520581		
78	49.2	38.5	57.7	
103	56.3	44.6	66.8	





#71

Bromoform

Concen: 21.486 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

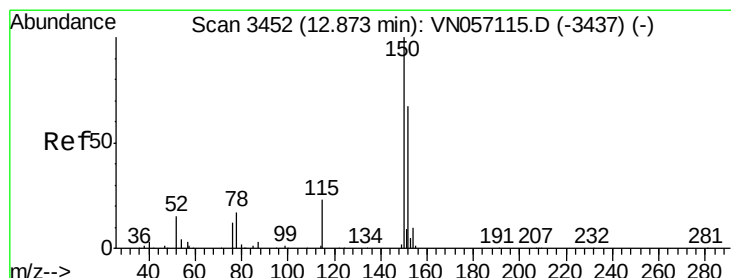
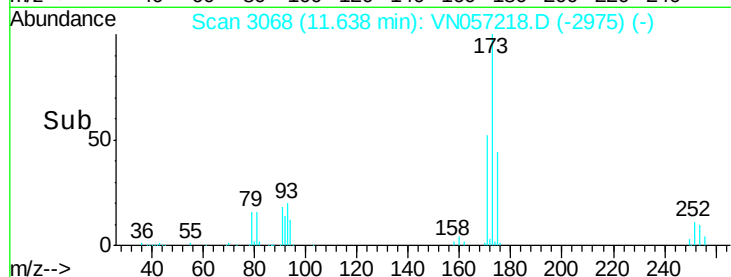
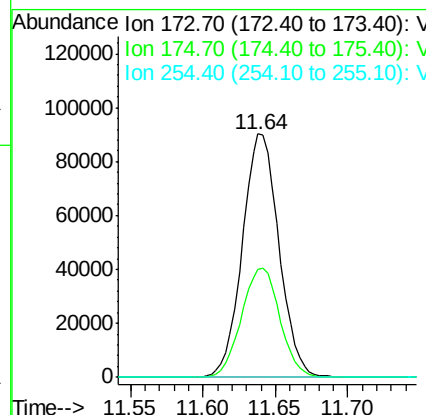
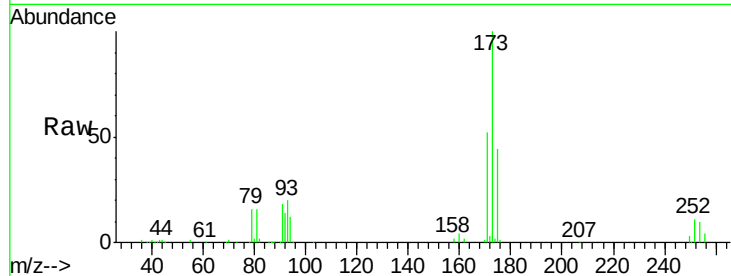
ClientSampleId :

VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.6	73.8
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

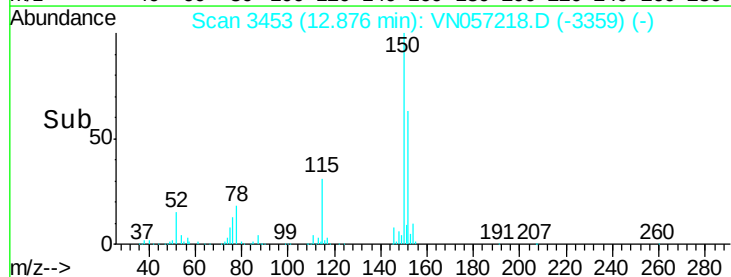
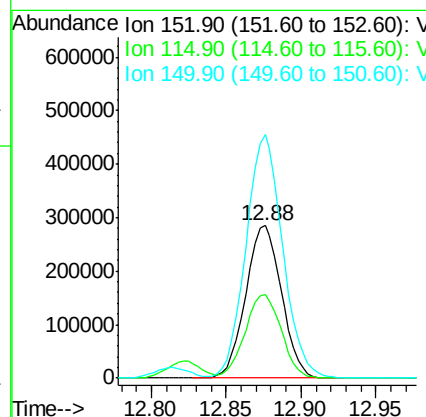
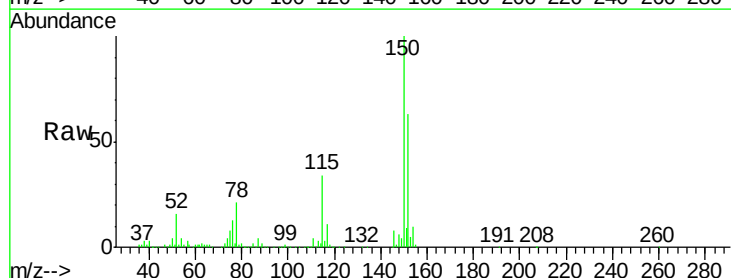
RT: 12.88 min Scan# 3453

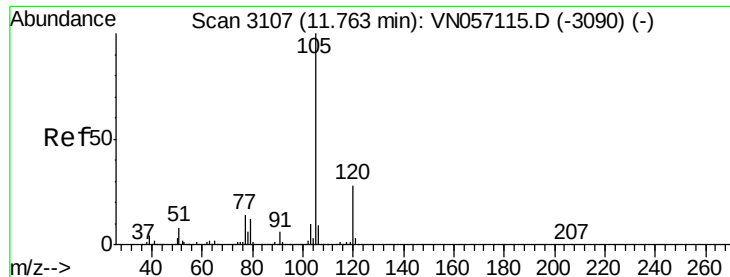
Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.5	82.5
150	163.2	0.0	341.6





#73

Isopropylbenzene

Concen: 21.573 ug/l

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion:105 Resp: 894128

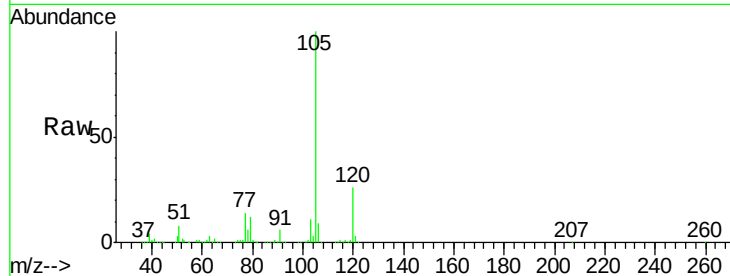
Ion Ratio Lower Upper

105 100

120 26.8 13.7 41.0

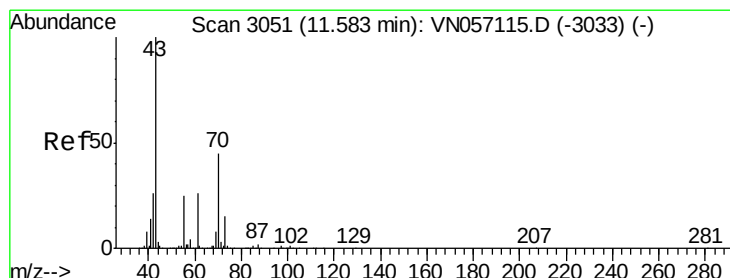
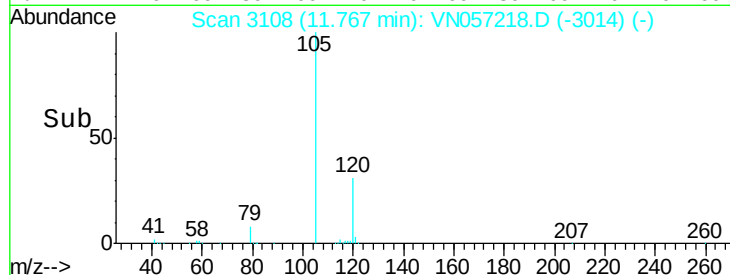
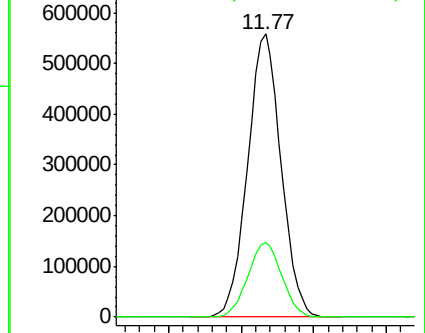
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.676 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Tgt Ion: 43 Resp: 249289

Ion Ratio Lower Upper

43 100

70 46.3 36.8 55.2

55 26.4 20.6 31.0

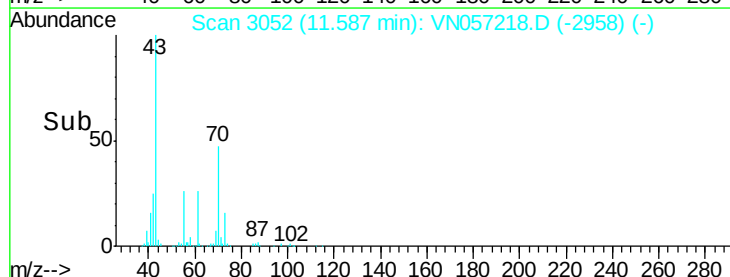
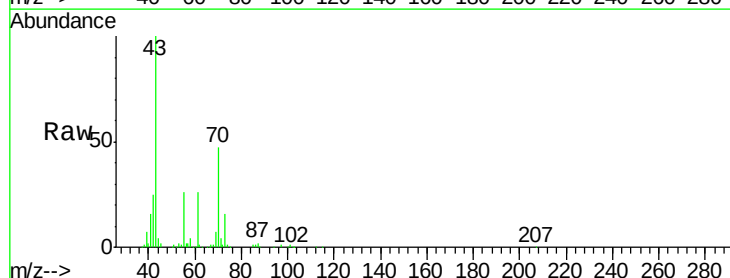
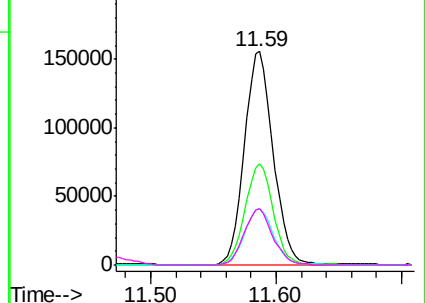
61 26.0 21.0 31.4

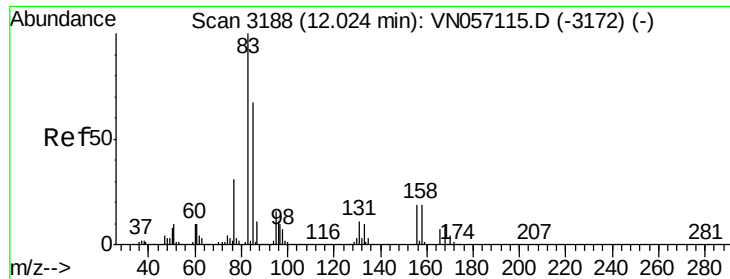
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.812 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

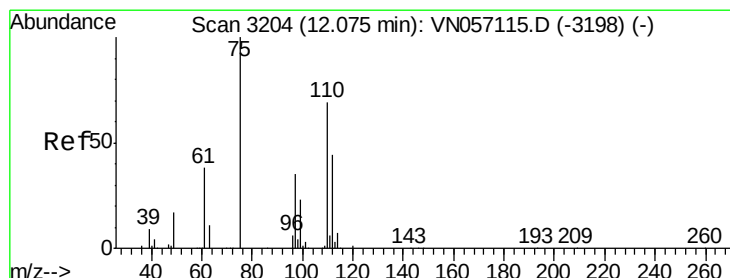
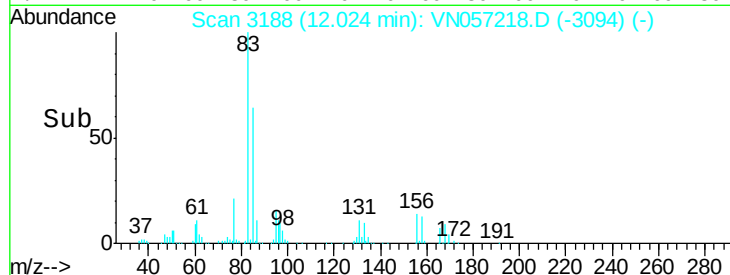
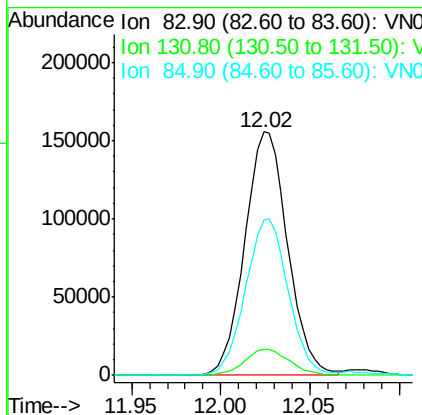
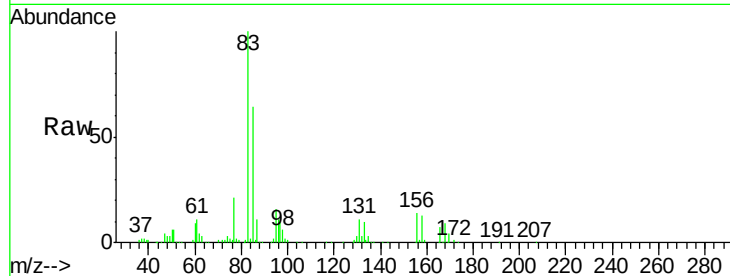
ClientSampleId :

VN0812WBSD02

Tot Ion:	83	Resp:	260480
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.4
85	63.9	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 22.034 ug/l m

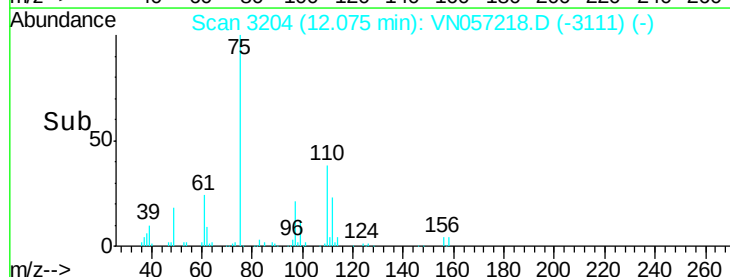
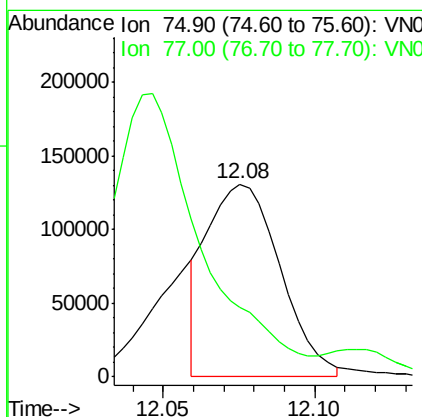
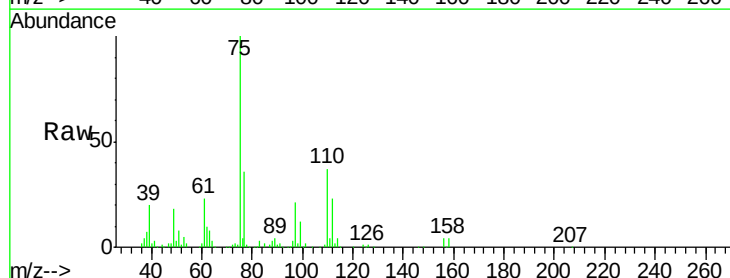
RT: 12.08 min Scan# 3204

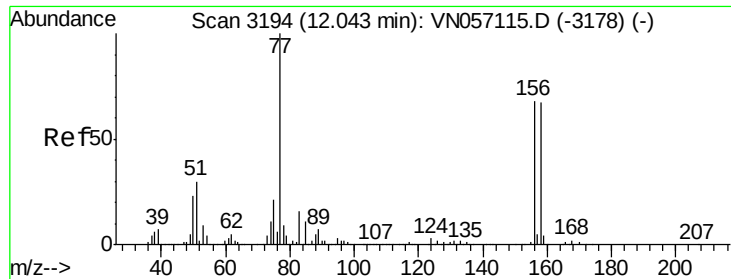
Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Tgt Ion:	75	Resp:	220017
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.329 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

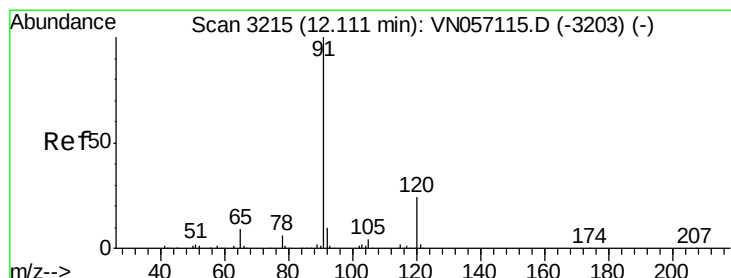
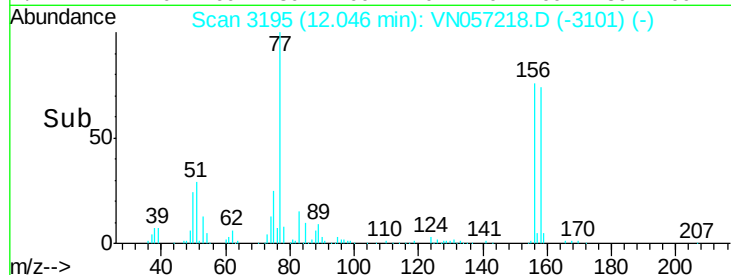
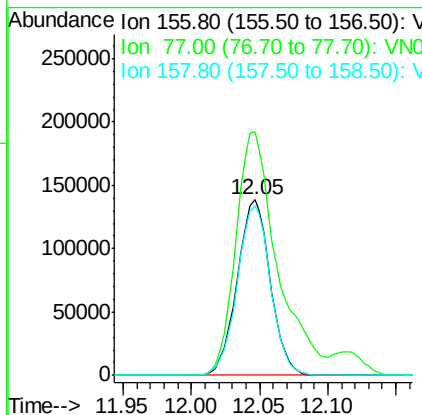
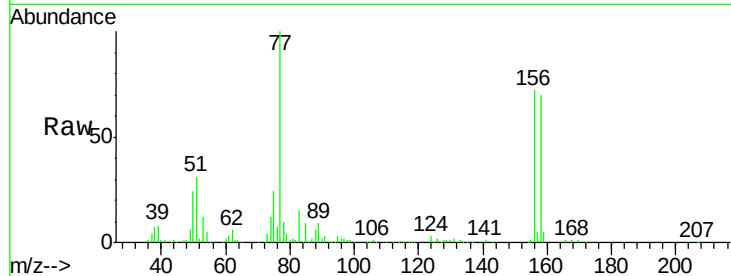
ClientSampleId :

VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.0	88.7	266.1
158	97.8	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.193 ug/l

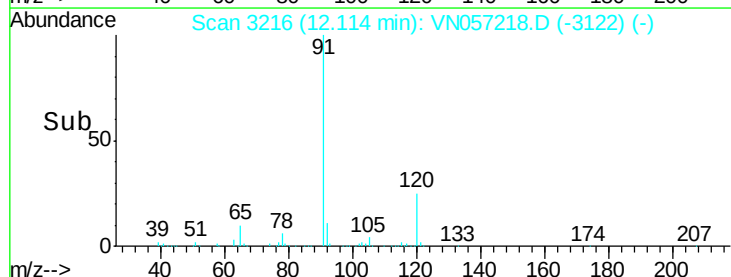
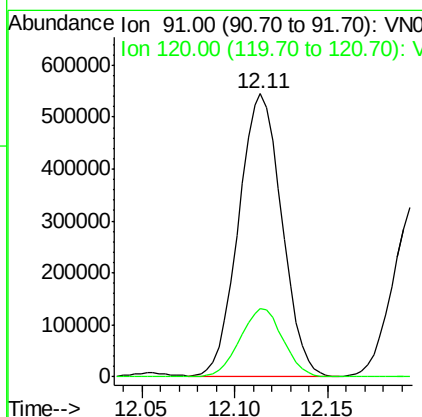
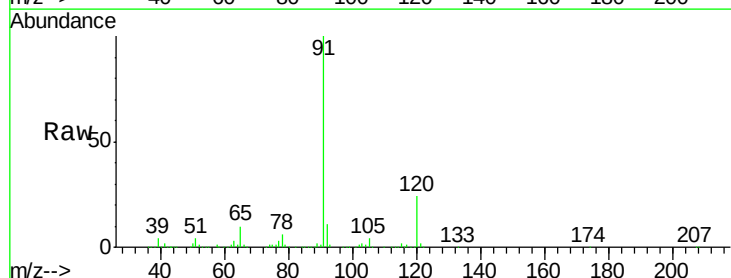
RT: 12.11 min Scan# 3216

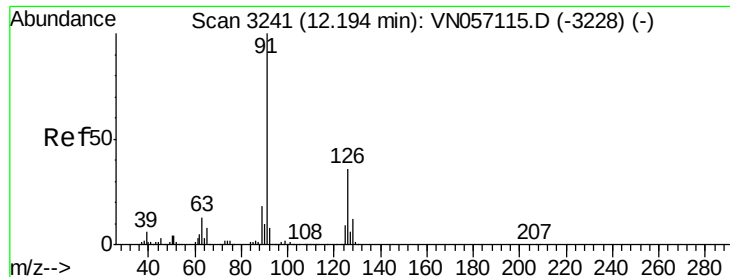
Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.0	36.0





#79

2-Chlorotoluene

Concen: 20.890 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion: 91 Resp: 560046

Ion Ratio Lower Upper

91 100

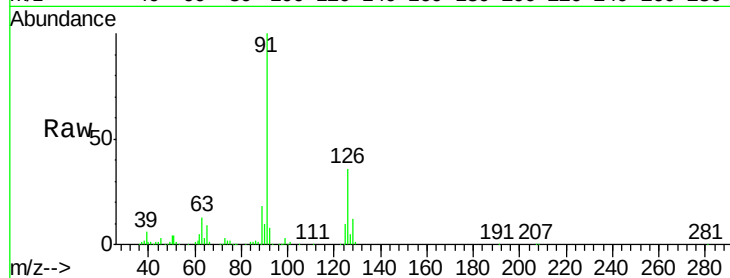
126 36.9 18.1 54.3

Manual Integrations

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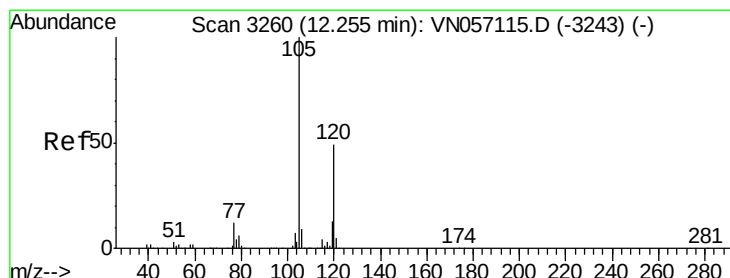
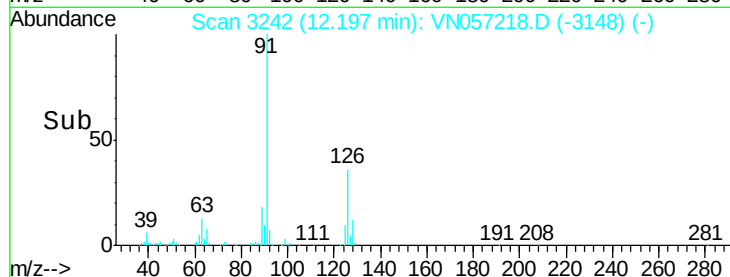
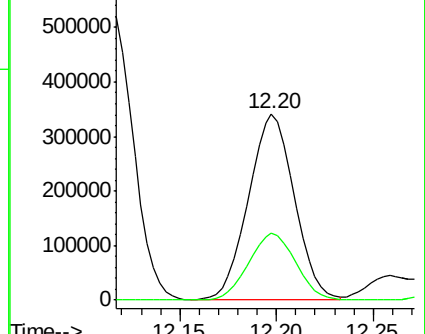
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Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-3228) (-)

Ion 125.90 (125.60 to 126.60): VN057115.D (-3228) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.070 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057218.D

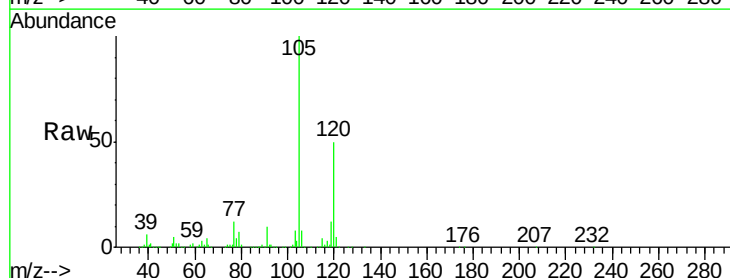
Acq: 12 Aug 2019 16:26

Tgt Ion: 105 Resp: 737214

Ion Ratio Lower Upper

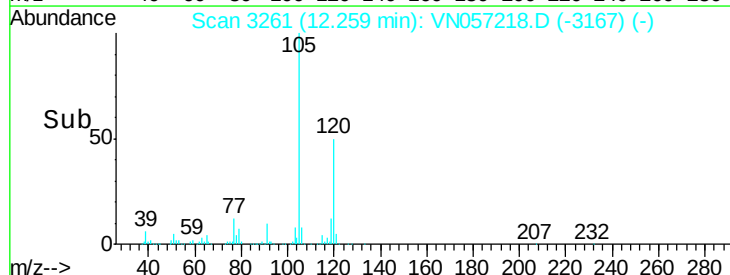
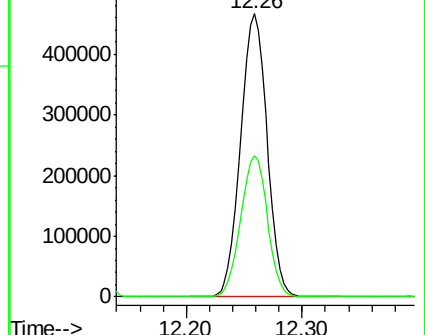
105 100

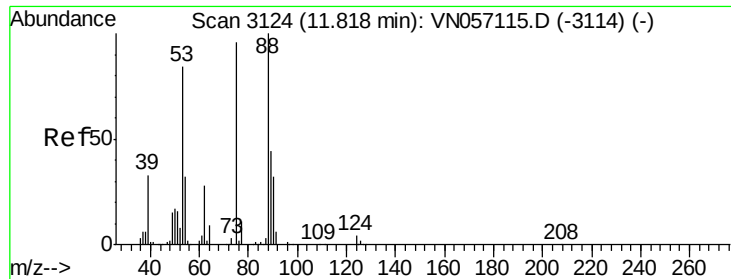
120 50.5 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN057115.D (-3243) (-)

Ion 120.00 (119.70 to 120.70): VN057115.D (-3243) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.755 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

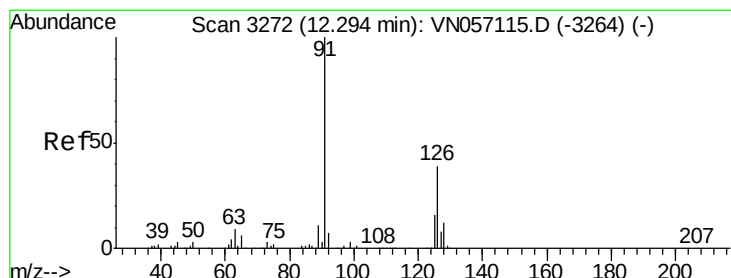
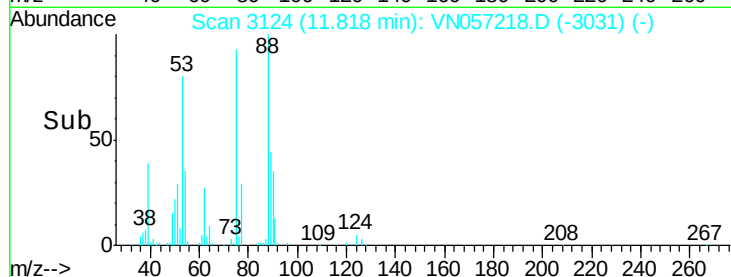
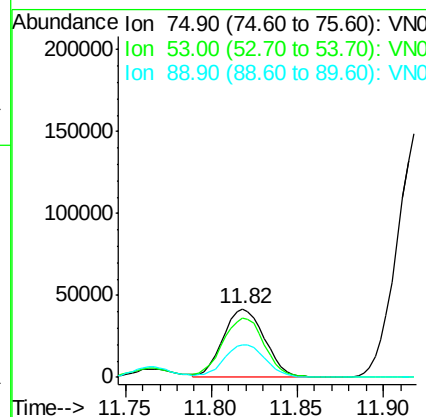
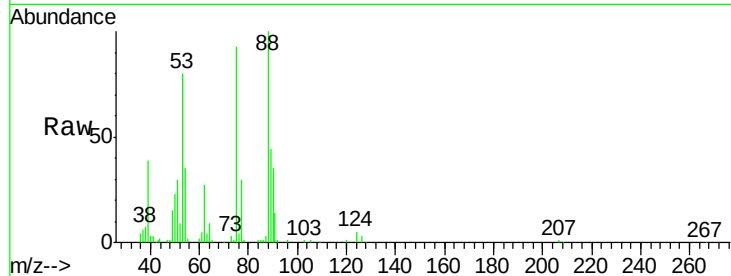
ClientSampleId :

VN0812WBSD02

Tot Ion:	75	Resp:	70395
Ion Ratio	Lower	Upper	
75	100		
53	88.6	70.6	106.0
89	47.5	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.331 ug/l

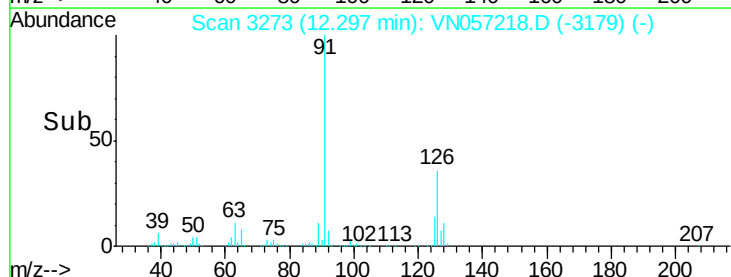
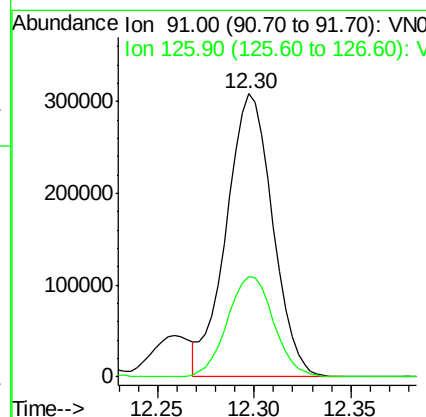
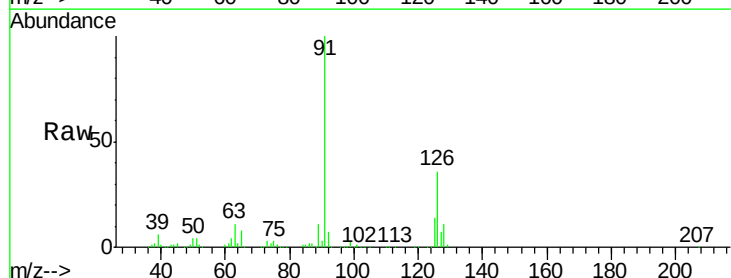
RT: 12.30 min Scan# 3273

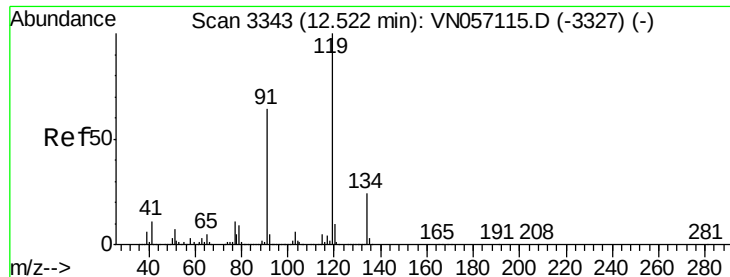
Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Tgt Ion:	91	Resp:	510880
Ion Ratio	Lower	Upper	
91	100		
126	35.9	17.9	53.7





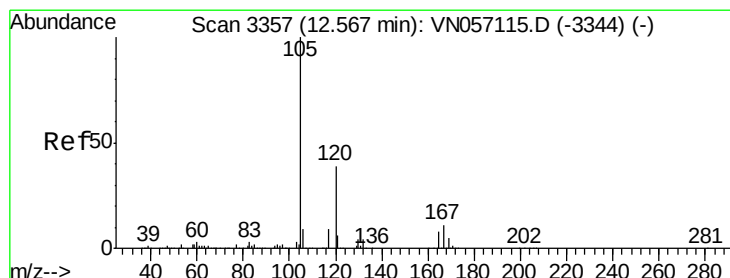
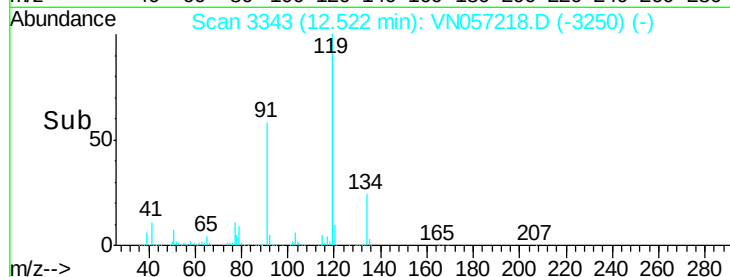
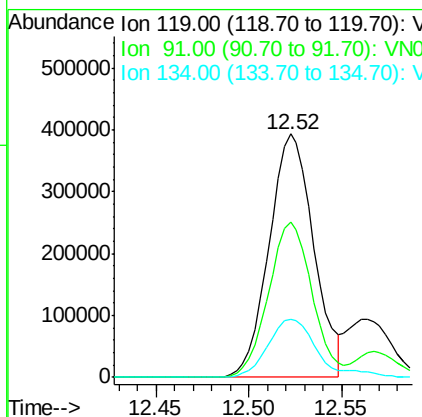
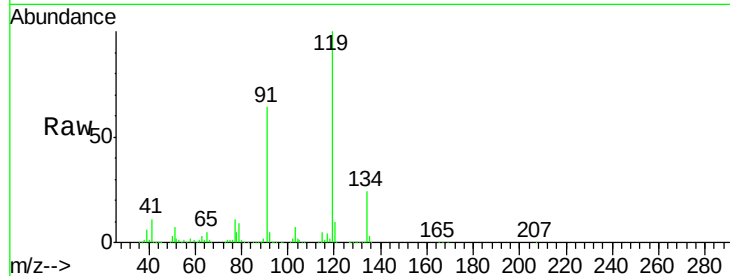
#83
 tert-Butylbenzene
 Concen: 21.570 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	658972		
91	62.3		31.4	94.2
134	26.5		13.2	39.6

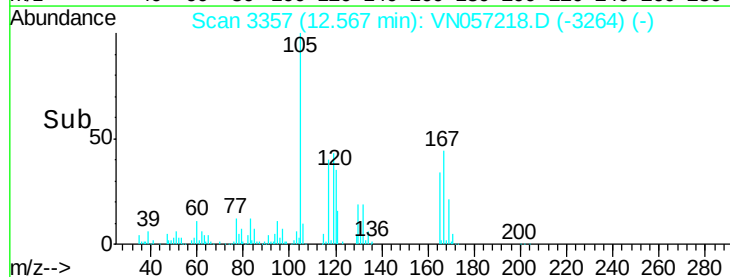
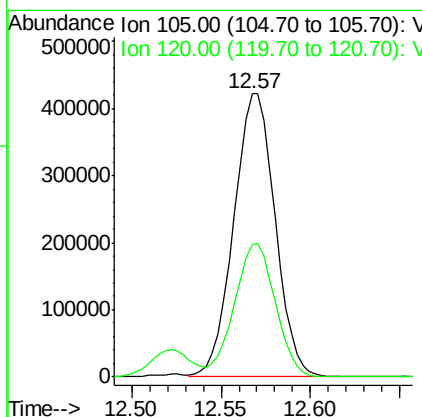
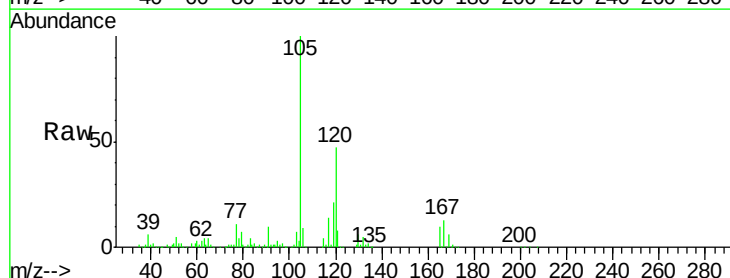
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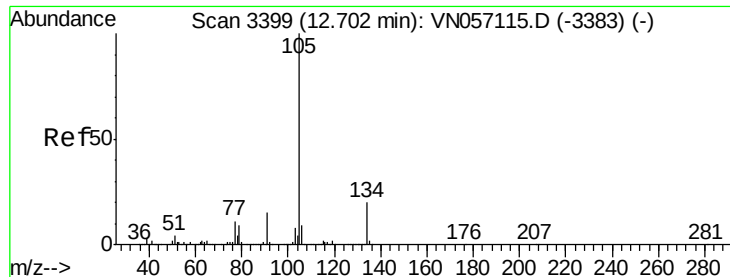
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.085 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	677576		
120	46.8		23.3	69.8





#85

sec-Butylbenzene

Concen: 18.743 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

Tot Ion:105 Resp: 776950

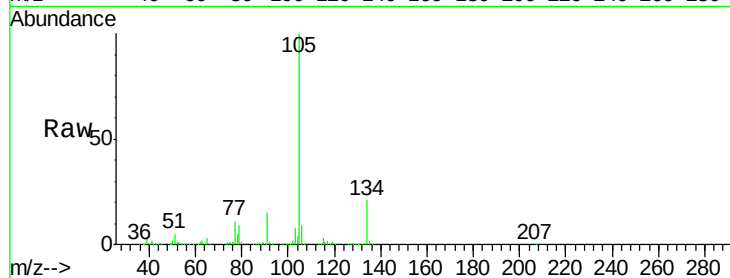
Ion Ratio Lower Upper

105 100

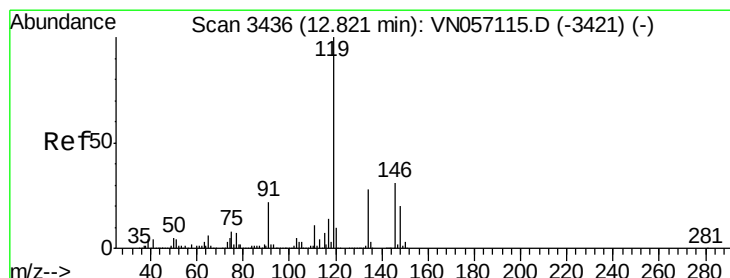
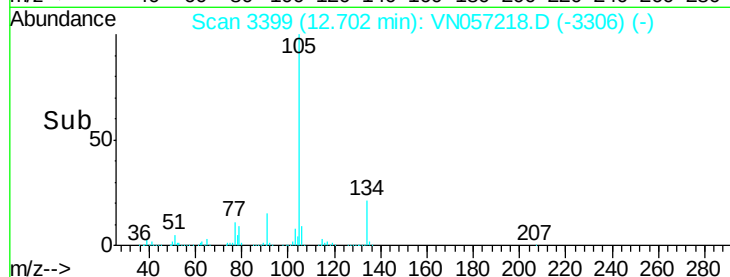
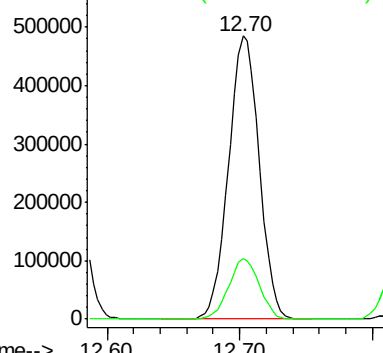
134 21.3 10.2 30.4

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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: 18.636 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

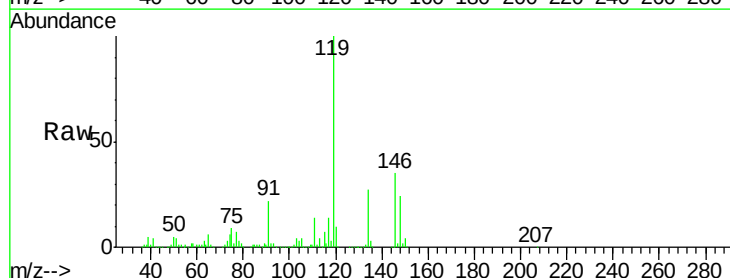
Tgt Ion:119 Resp: 677860

Ion Ratio Lower Upper

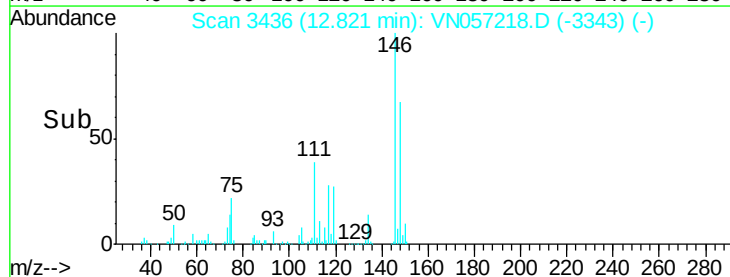
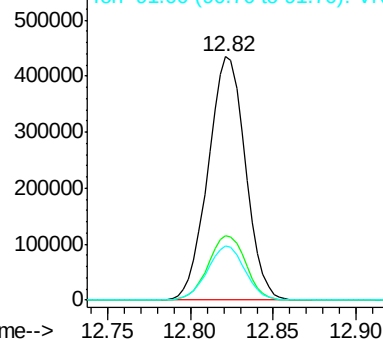
119 100

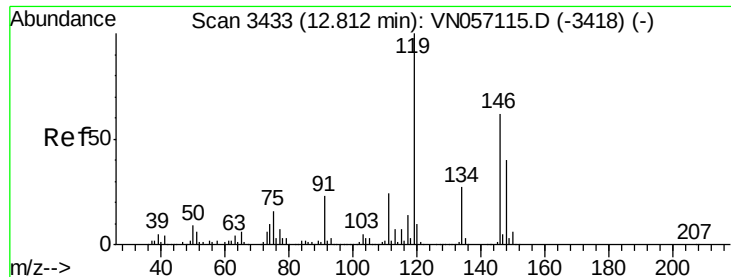
134 27.0 13.8 41.3

91 22.2 11.0 33.0



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: 19.996 ug/l

RT: 12.81 min Scan# 3434

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

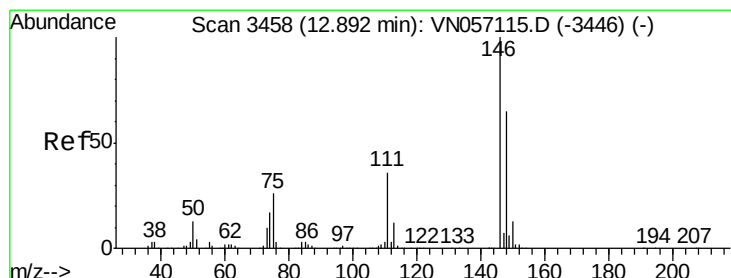
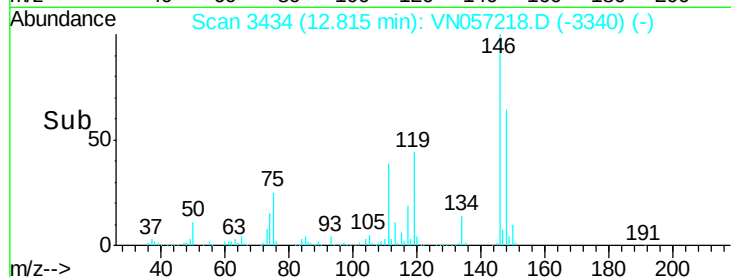
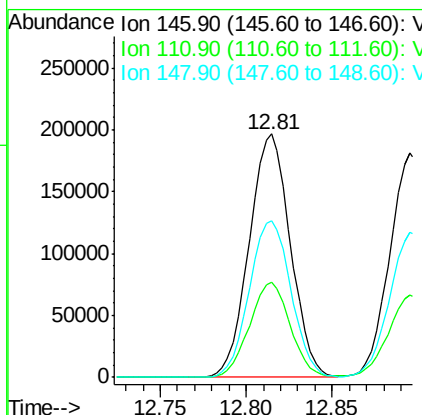
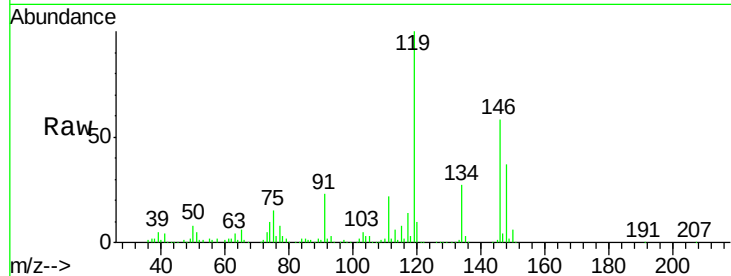
ClientSampled :

VN0812WBSD02

Tot Ion:	146	Resp:	325559
Ion Ratio	Lower	Upper	
146	100		
111	38.6	18.8	56.4
148	65.4	32.4	97.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.573 ug/l

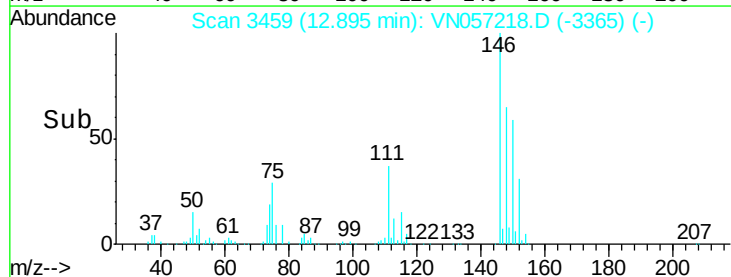
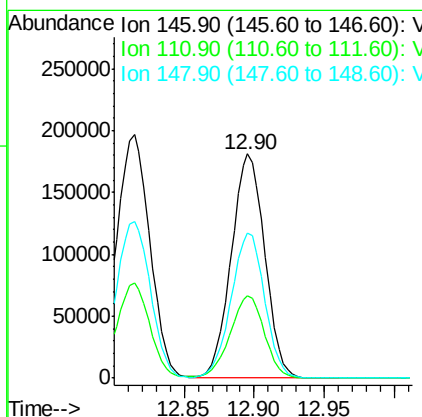
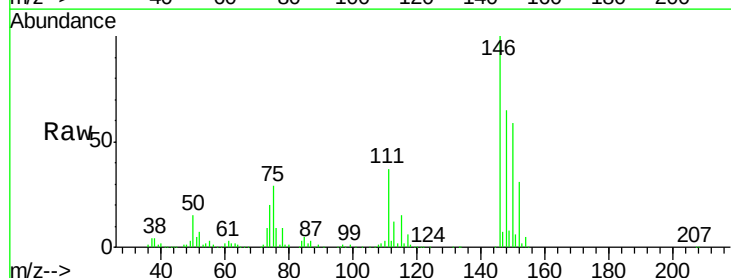
RT: 12.90 min Scan# 3459

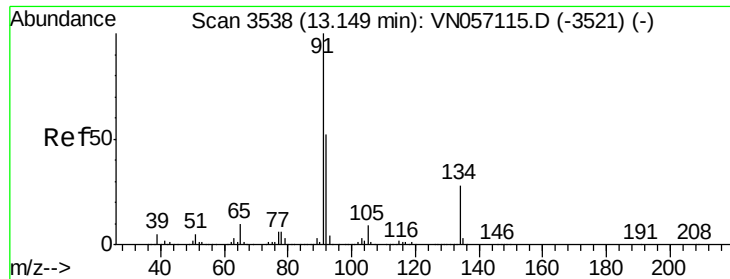
Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Tgt Ion:	146	Resp:	301931
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.2	54.6
148	64.8	32.0	96.2





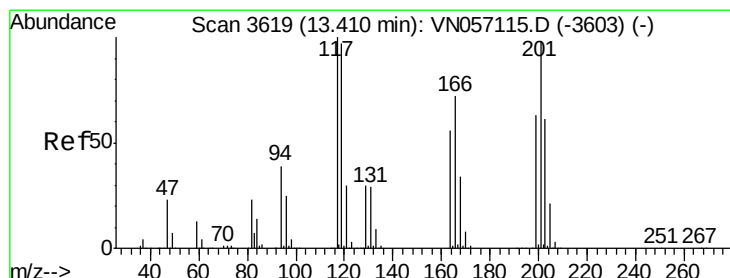
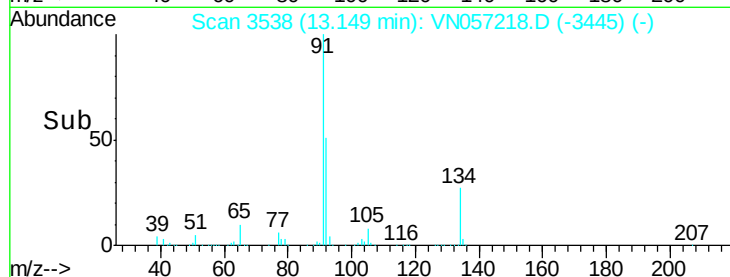
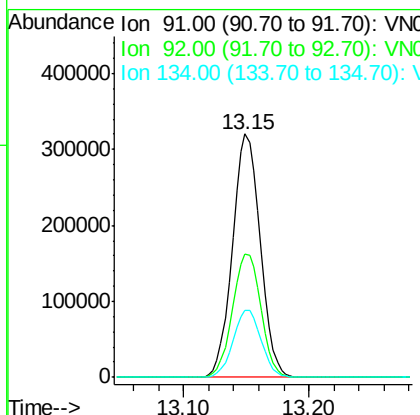
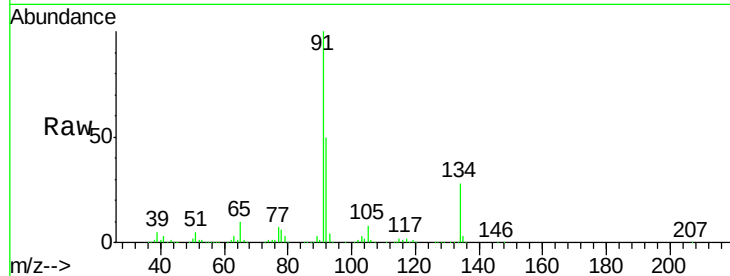
#89
n-Butylbenzene
Concen: 19.584 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.5	79.4
134	27.9	14.1	42.3

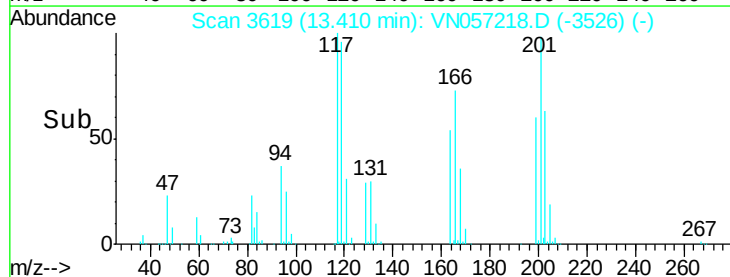
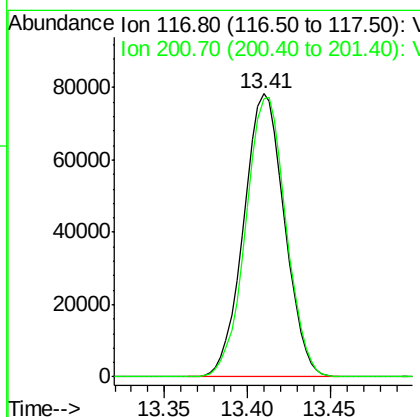
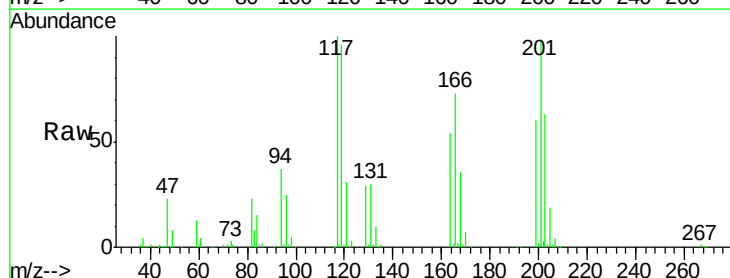
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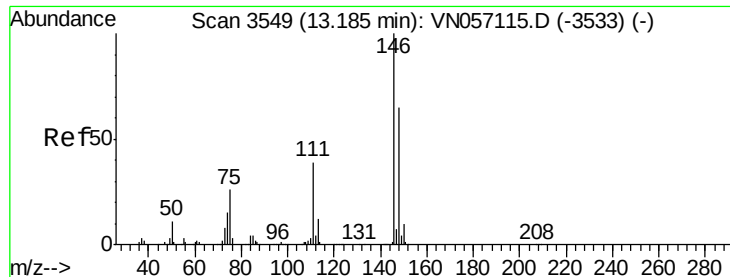
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#90
Hexachloroethane
Concen: 22.673 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.4	49.3	147.8





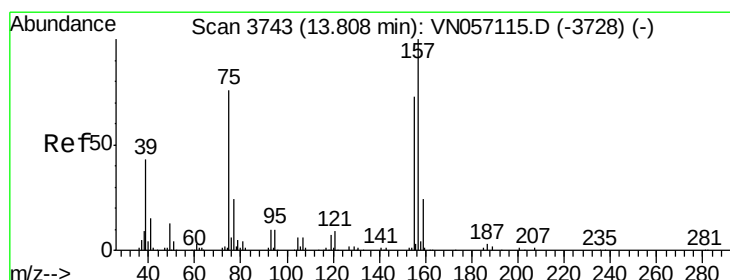
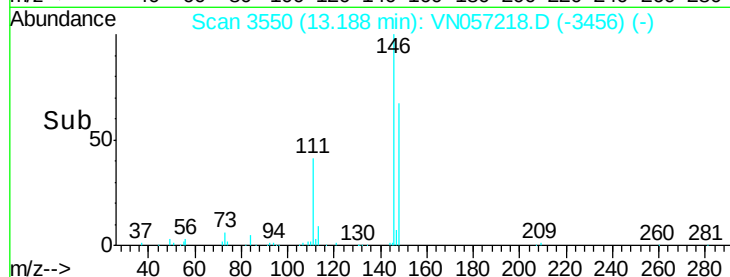
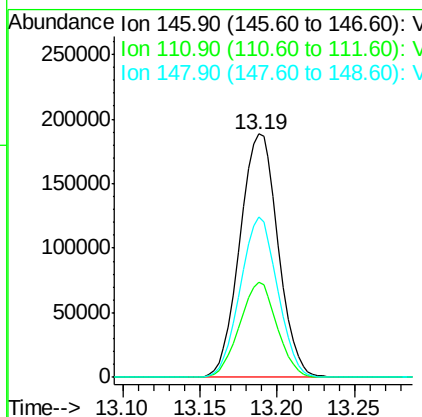
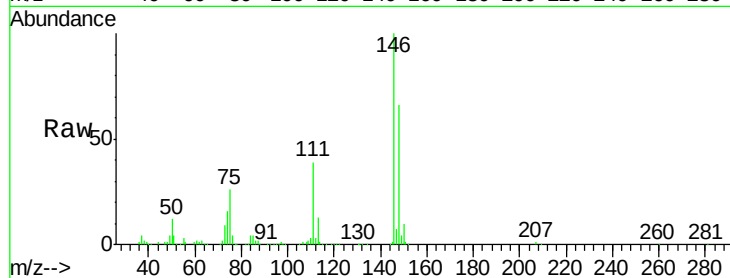
#91
 1,2-Dichlorobenzene
 Concen: 19.935 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.2	57.6
148	64.4	32.4	97.0

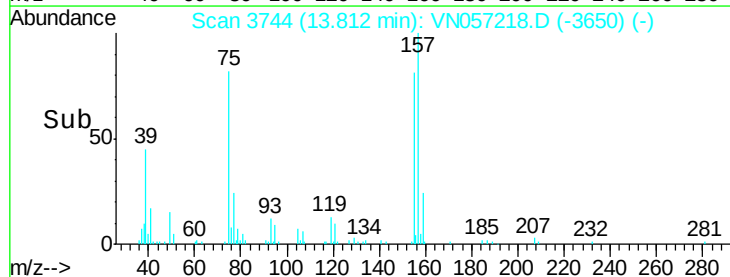
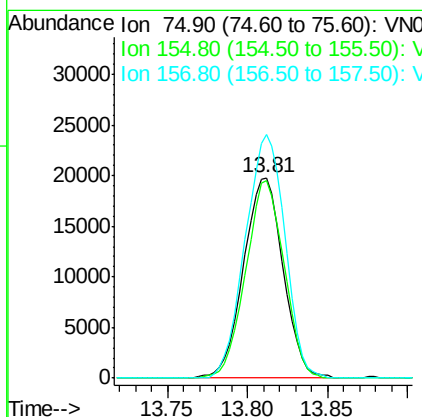
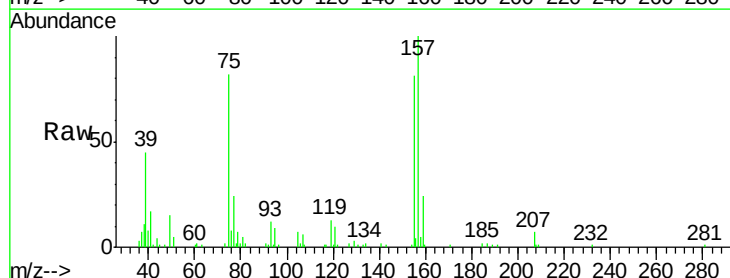
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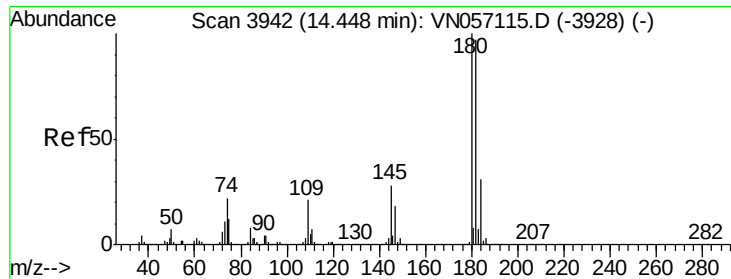
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.080 ug/l
 RT: 13.81 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	49.3	147.9
157	121.7	65.3	195.8





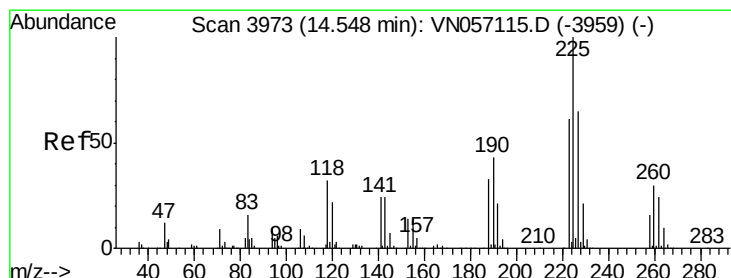
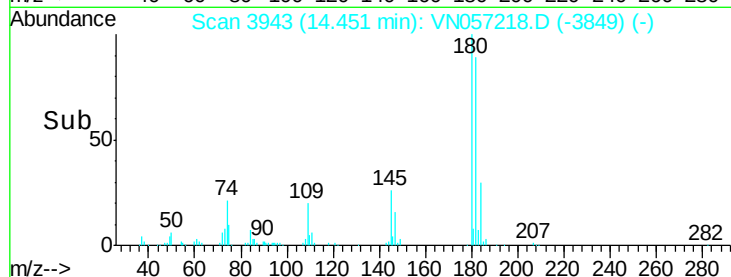
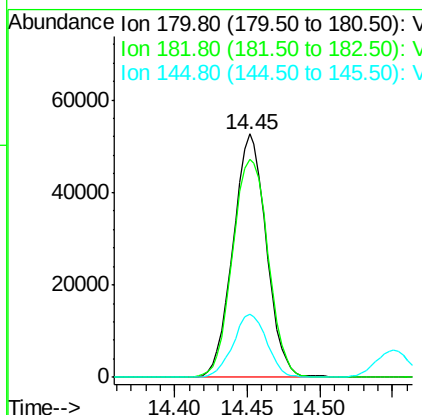
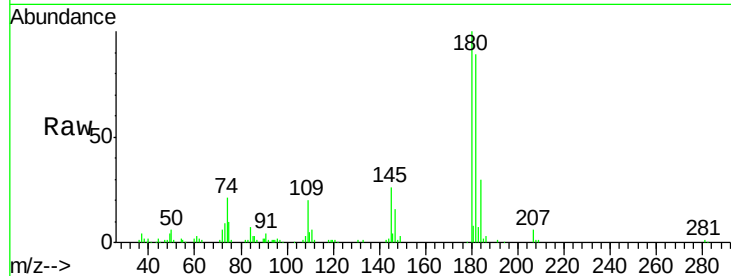
#93
 1,2,4-Trichlorobenzene
 Concen: 16.699 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	84246		
182	95.7	47.5	142.6	
145	26.4	14.1	42.2	

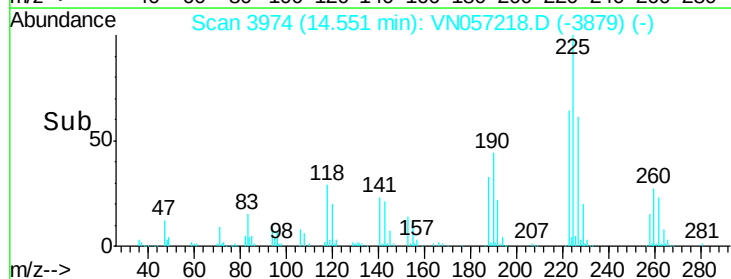
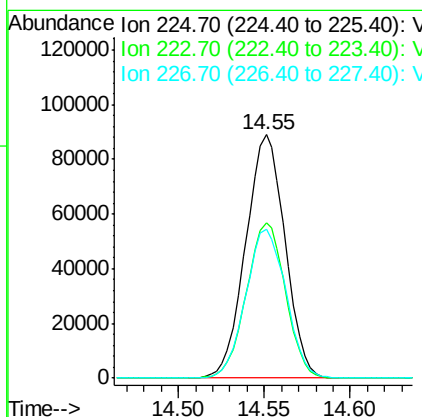
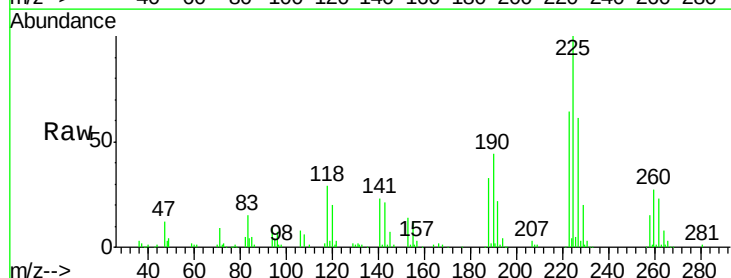
Manual Integrations
 APPROVED

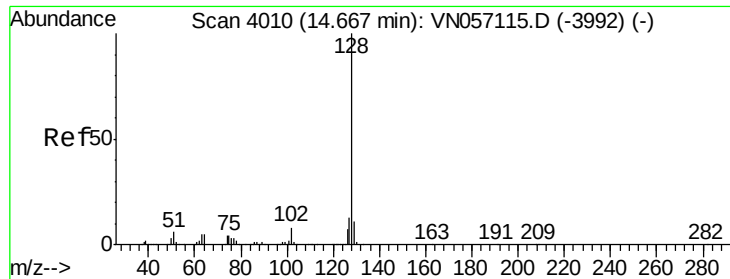
MMDadoda
 8/14/2019 9:23:13 AM



#94
 Hexachlorobutadiene
 Concen: 22.738 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	140668		
223	63.5	30.9	92.8	
227	62.8	32.4	97.0	





#95

Naphthalene

Concen: 15.642 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

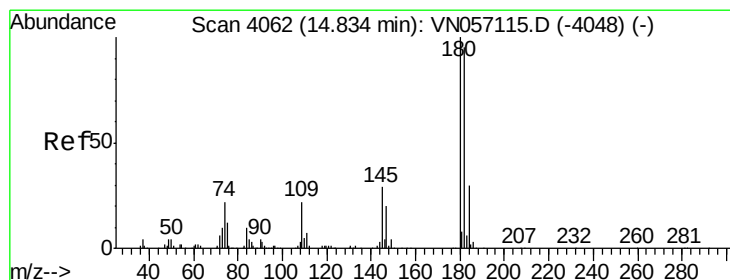
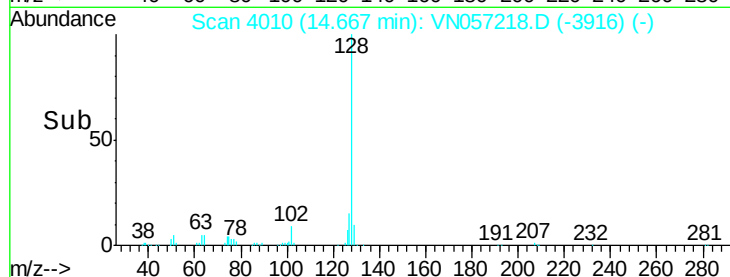
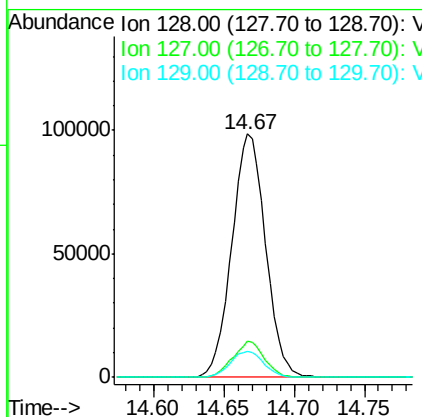
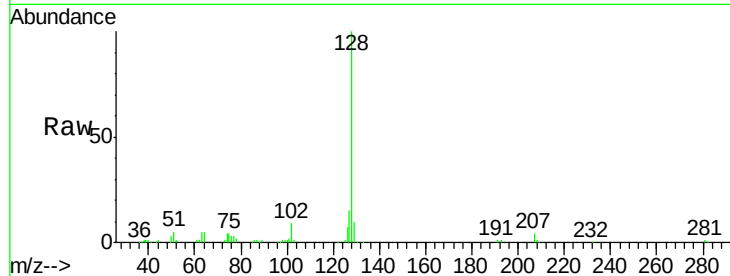
ClientSampleId :

VN0812WBSD02

Tot Ion:	128	Resp:	165350
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.3	15.5
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:13 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.284 ug/l

RT: 14.84 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Tgt Ion:	180	Resp:	85061
Ion Ratio	Lower	Upper	
180	100		
182	97.0	48.3	144.8
145	29.4	14.9	44.5

