

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058052.D
 Acq On : 14 Sep 2019 5:38
 Operator : JC/SP
 Sample : VN0914WBS04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS04

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:11 PM

Quant Time: Sep 14 06:51:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	313632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	524728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	491653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281568	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	347519	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
35) Dibromofluoromethane	7.58	113	247434	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	10.09	98	976660	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
62) 4-Bromofluorobenzene	12.40	95	340671	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	88948	20.507	ug/l	99
3) Chloromethane	2.04	50	76724	17.355	ug/l	99
4) Vinyl Chloride	2.17	62	80332	17.170	ug/l	98
5) Bromomethane	2.55	94	44852	16.423	ug/l	100
6) Chloroethane	2.69	64	52996	17.776	ug/l	95
7) Trichlorofluoromethane	3.00	101	112943	19.182	ug/l	95
8) Diethyl Ether	3.39	74	51182	20.841	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	76210	20.518	ug/l	98
10) Methyl Iodide	3.93	142	72437	17.525	ug/l	99
11) Tert butyl alcohol	4.75	59	79855	103.864	ug/l	100
12) 1,1-Dichloroethene	3.72	96	63853	19.120	ug/l	95
13) Acrolein	3.59	56	9167	14.054	ug/l	97
14) Allyl chloride	4.30	41	124595	19.064	ug/l	98
15) Acrylonitrile	4.96	53	222243	105.168	ug/l	99
16) Acetone	3.80	43	195965	94.104	ug/l	98
17) Carbon Disulfide	4.04	76	87289	16.899	ug/l	97
18) Methyl Acetate	4.30	43	129067	23.245	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	303911	21.867	ug/l	97
20) Methylene Chloride	4.53	84	90749	22.207	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	69477	19.245	ug/l	96
22) Diisopropyl ether	5.93	45	332889	21.719	ug/l	97
23) Vinyl Acetate	5.88	43	1143646	105.288	ug/l	99
24) 1,1-Dichloroethane	5.83	63	179048	21.375	ug/l	99
25) 2-Butanone	6.82	43	301966	100.188	ug/l	100
26) 2,2-Dichloropropane	6.81	77	97184	14.660	ug/l	77
27) cis-1,2-Dichloroethene	6.81	96	102167	21.117	ug/l	97
28) Bromochloromethane	7.18	49	93385	22.315	ug/l	96
29) Tetrahydrofuran	7.19	42	191853	103.300	ug/l	100
30) Chloroform	7.36	83	189480	21.634	ug/l	99
31) Cyclohexane	7.64	56	118804	19.446	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	141215	20.330	ug/l	99
36) 1,1-Dichloropropene	7.78	75	115173	18.926	ug/l	99
37) Ethyl Acetate	6.91	43	125961	20.034	ug/l	99
38) Carbon Tetrachloride	7.76	117	111011	19.980	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	112572	17.597	ug/l	98
40) Benzene	8.03	78	369916	20.191	ug/l	99
41) Methacrylonitrile	7.15	41	53184	18.634	ug/l	92
42) 1,2-Dichloroethane	8.11	62	154381	21.069	ug/l	100
43) Isopropyl Acetate	8.15	43	230984	21.846	ug/l #	87
44) Trichloroethene	8.83	130	89272	19.866	ug/l	95
45) 1,2-Dichloropropane	9.11	63	111813	20.973	ug/l	100
46) Dibromomethane	9.20	93	65354	20.287	ug/l	97
47) Bromodichloromethane	9.40	83	135026	20.989	ug/l	97
48) Methyl methacrylate	9.19	41	104212	19.430	ug/l	98
49) 1,4-Dioxane	9.19	88	32536	358.715	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	669583	107.013	ug/l	99
52) Toluene	10.15	92	228758	19.824	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	127199	18.776	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	142781	19.090	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	102297	20.928	ug/l	99
56) Ethyl methacrylate	10.43	69	144654	19.652	ug/l	97
57) 1,3-Dichloropropane	10.71	76	174911	20.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	315684	91.058	ug/l	100
59) 2-Hexanone	10.75	43	464350	99.011	ug/l	99
60) Dibromochloromethane	10.90	129	89802	19.785	ug/l	99
61) 1,2-Dibromoethane	11.00	107	93241	20.177	ug/l	97
64) Tetrachloroethene	10.63	164	73555	20.262	ug/l	97
65) Chlorobenzene	11.43	112	257906	20.044	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91034	20.390	ug/l	100
67) Ethyl Benzene	11.51	91	458688	20.341	ug/l	100
68) m/p-Xylenes	11.62	106	330913	40.062	ug/l	99
69) o-Xylene	11.95	106	168058	20.466	ug/l	99
70) Styrene	11.97	104	289559	20.489	ug/l	99
71) Bromoform	12.13	173	51558	18.522	ug/l #	99
73) Isopropylbenzene	12.25	105	466825	21.366	ug/l	99
74) N-amyl acetate	12.07	43	185332	19.491	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	151804	20.635	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	126817m	19.910	ug/l	
77) Bromobenzene	12.53	156	110051	20.203	ug/l	97
78) n-propylbenzene	12.59	91	533406	21.260	ug/l	100
79) 2-Chlorotoluene	12.68	91	323958	20.430	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	392713	21.273	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27292	15.078	ug/l	87
82) 4-Chlorotoluene	12.78	91	329991	20.265	ug/l	100
83) tert-Butylbenzene	13.00	119	336589	20.511	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	395551	21.082	ug/l	99
85) sec-Butylbenzene	13.18	105	456473	20.987	ug/l	98
86) p-Isopropyltoluene	13.29	119	402594	21.008	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	201549	20.158	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	203168	20.018	ug/l	99
89) n-Butylbenzene	13.62	91	360039	19.894	ug/l	99
90) Hexachloroethane	13.88	117	56069	19.673	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	203722	20.395	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23755	19.553	ug/l	98

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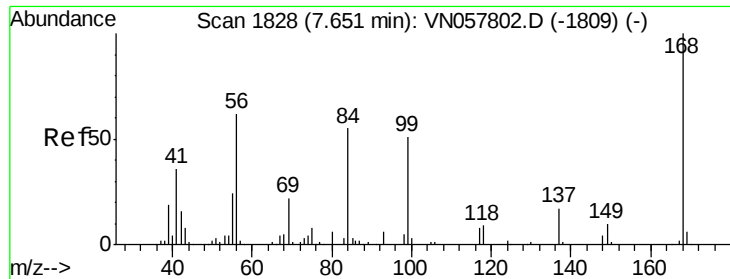
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	119493	18.302	ug/l	99
94) Hexachlorobutadiene	15.02	225	55451	20.035	ug/l	99
95) Naphthalene	15.13	128	321405	18.510	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	115951	20.935	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS04

Tot Ion:168 Resp: 313632

Ion Ratio Lower Upper

168 100

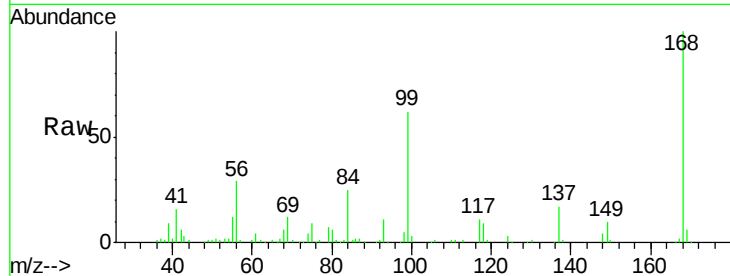
99 61.3 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

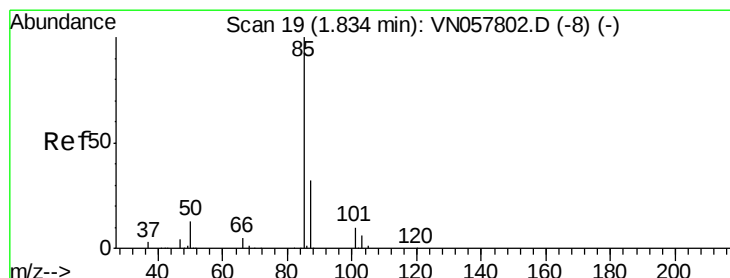
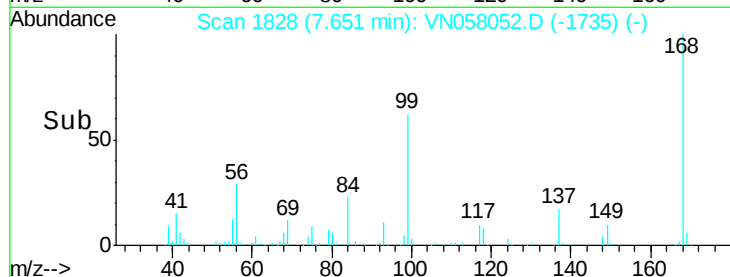
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 20.507 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058052.D

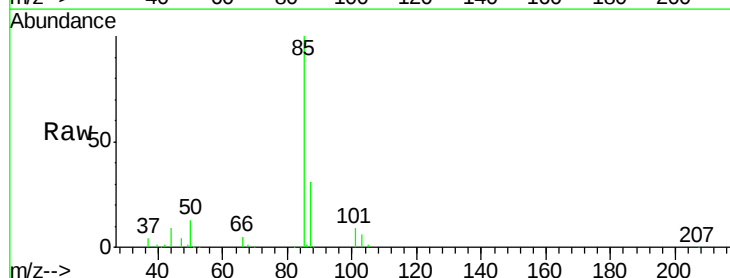
Acq: 14 Sep 2019 5:38

Tgt Ion: 85 Resp: 88948

Ion Ratio Lower Upper

85 100

87 31.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

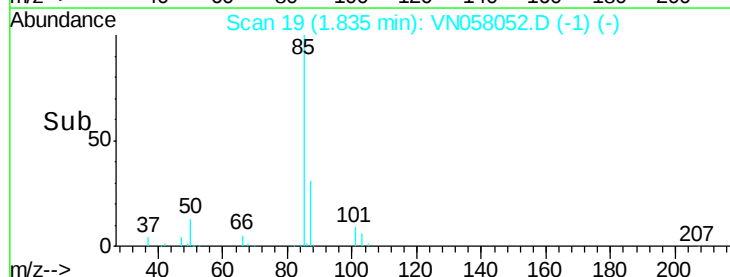
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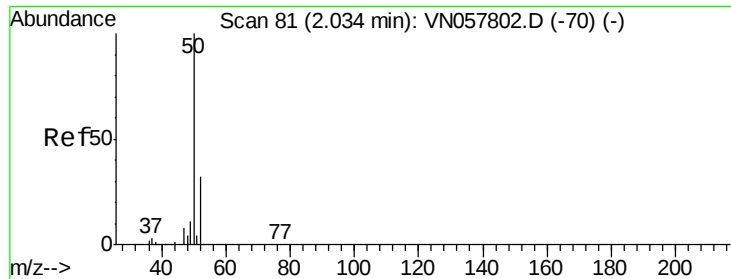
40000

20000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 17.355 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS04

Tot Ion: 50 Resp: 76724

Ion Ratio Lower Upper

50 100

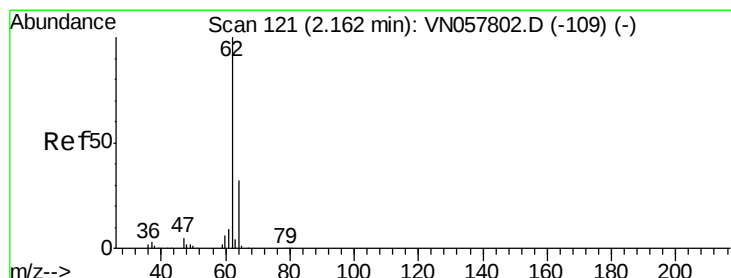
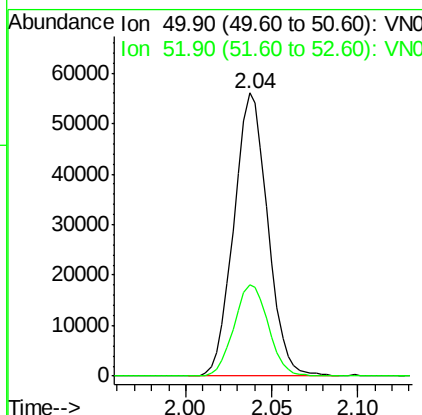
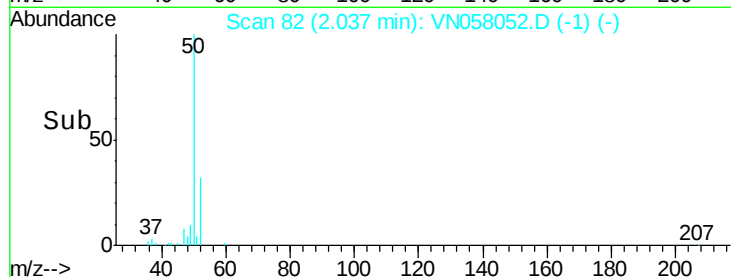
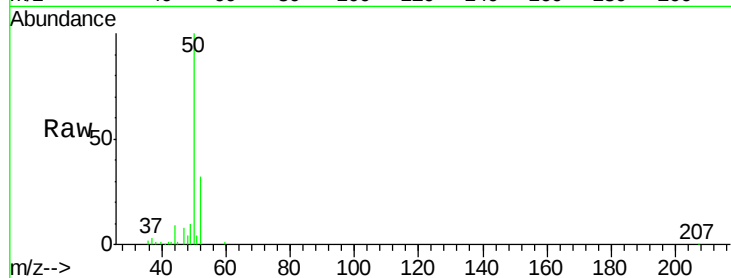
52 32.4 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.170 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058052.D

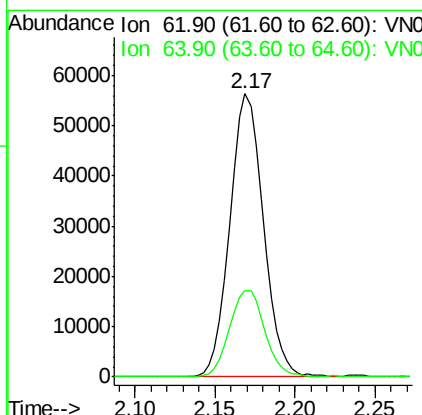
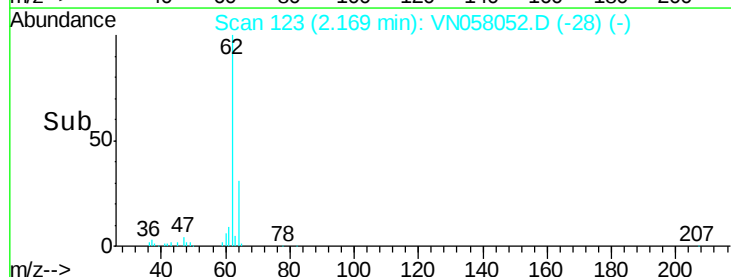
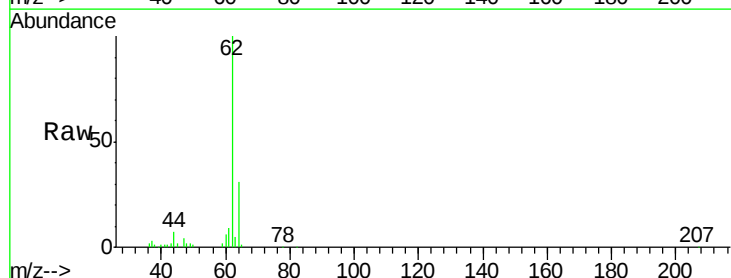
Acq: 14 Sep 2019 5:38

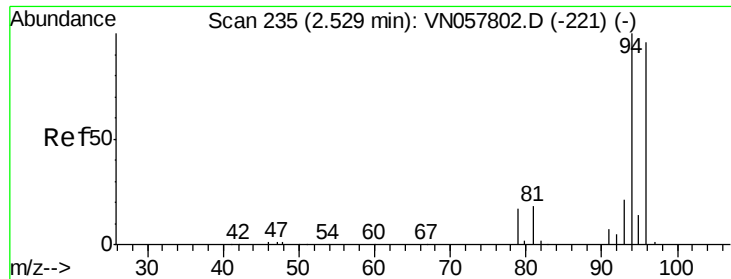
Tgt Ion: 62 Resp: 80332

Ion Ratio Lower Upper

62 100

64 30.6 25.6 38.4





#5

Bromomethane

Concen: 16.423 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS04

Tot Ion: 94 Resp: 44852

Ion Ratio Lower Upper

94 100

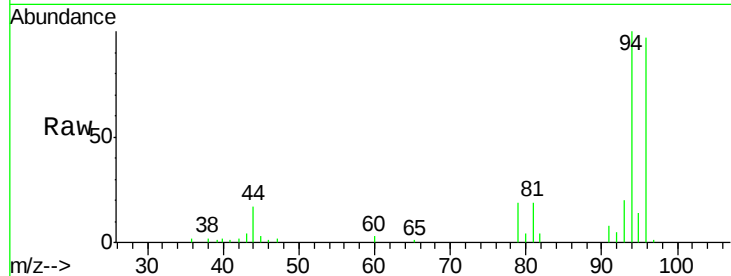
96 96.7 77.0 115.4

Manual Integrations

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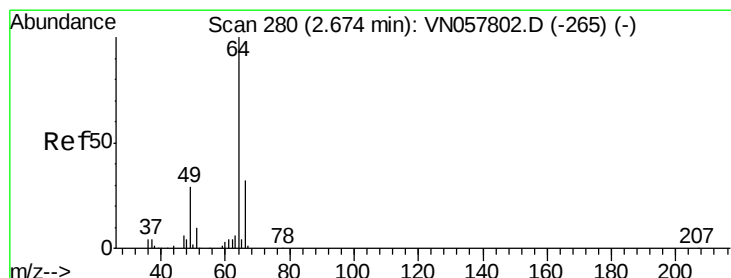
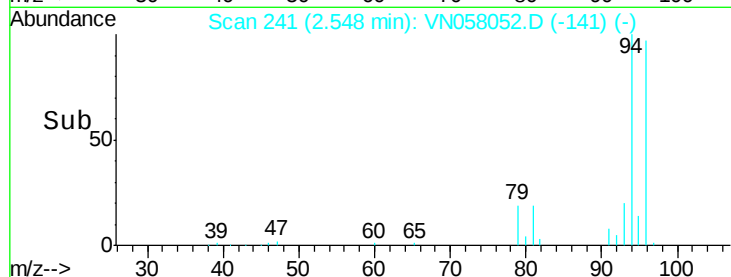
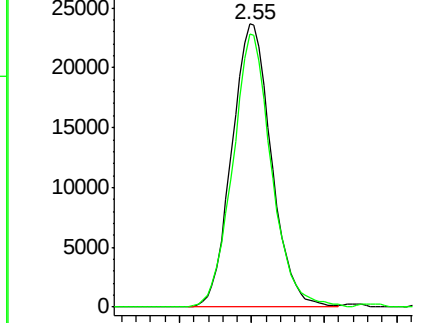
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.776 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058052.D

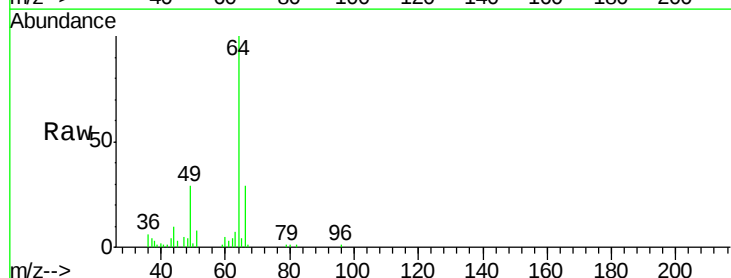
Acq: 14 Sep 2019 5:38

Tgt Ion: 64 Resp: 52996

Ion Ratio Lower Upper

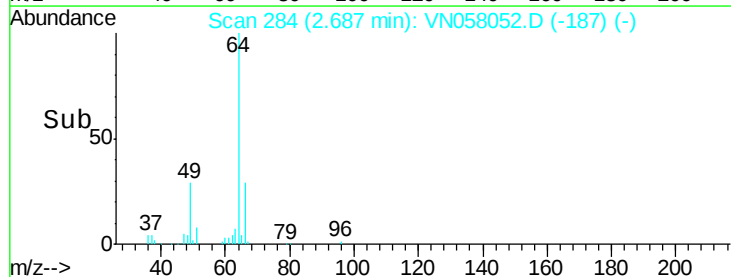
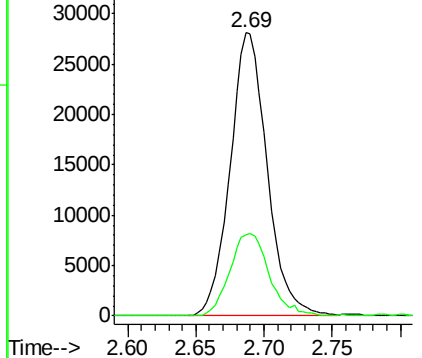
64 100

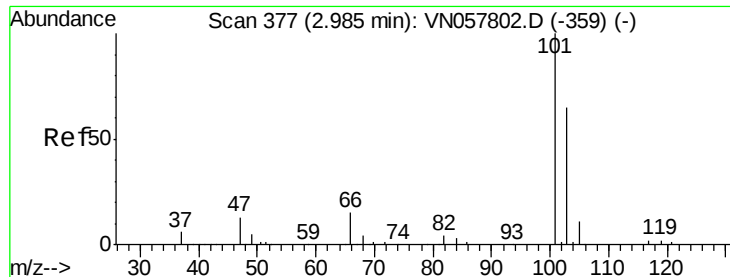
66 28.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

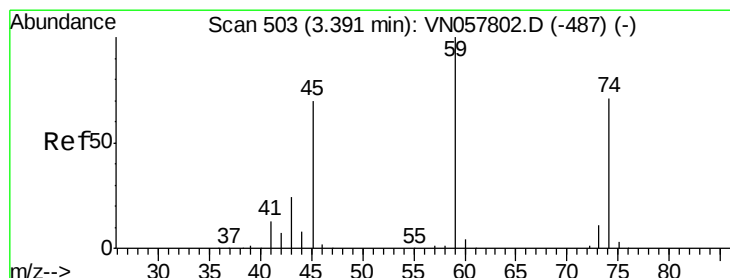
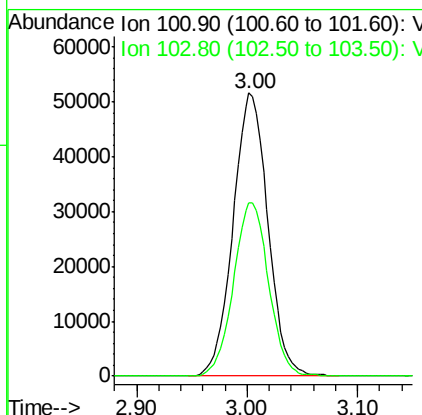
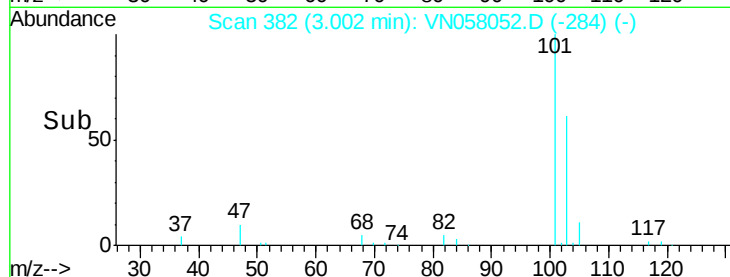
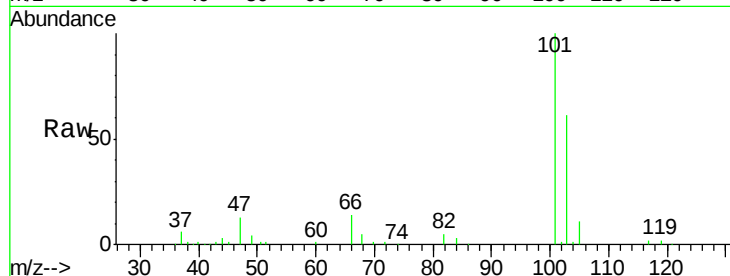
Trichlorofluoromethane
Concen: 19.182 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.02 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

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VN0914WBS04

Tot Ion	Ratio	Resp	Lower	Upper
101	100	112943		
103	61.3	51.9	77.9	

Manual Integrations
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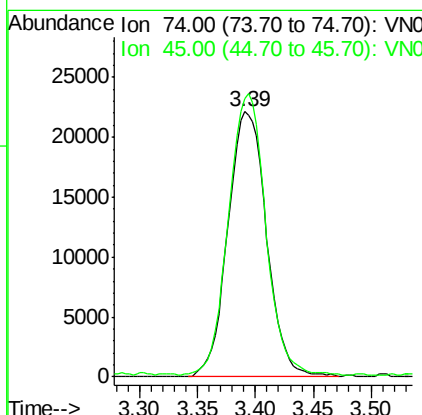
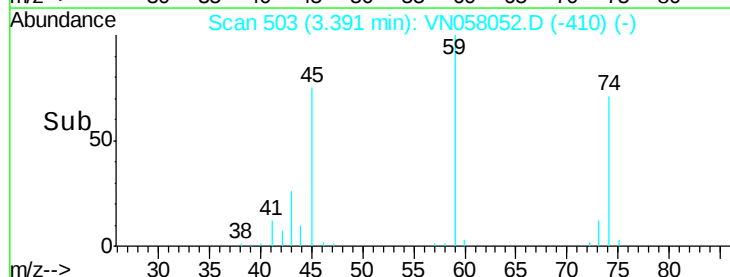
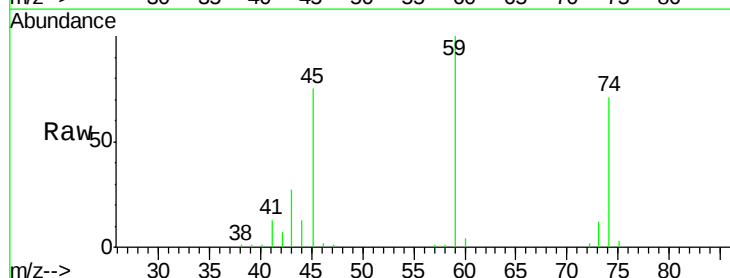
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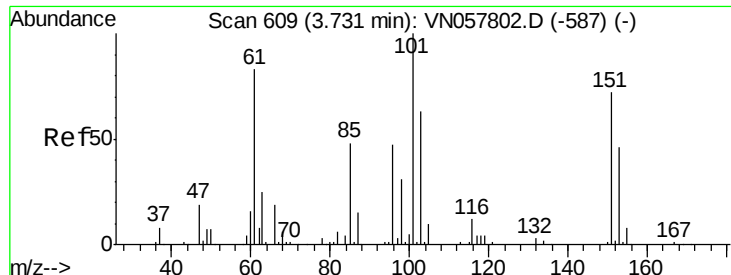


#8

Diethyl Ether
Concen: 20.841 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	51182		
45	102.1	50.3	151.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.518 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

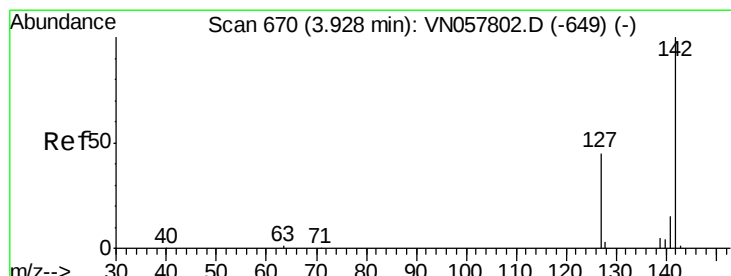
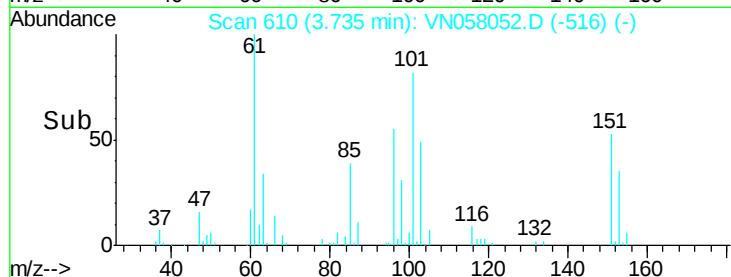
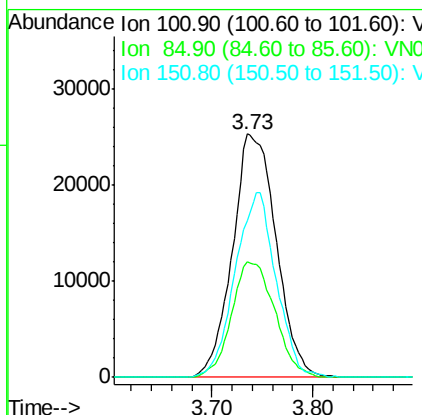
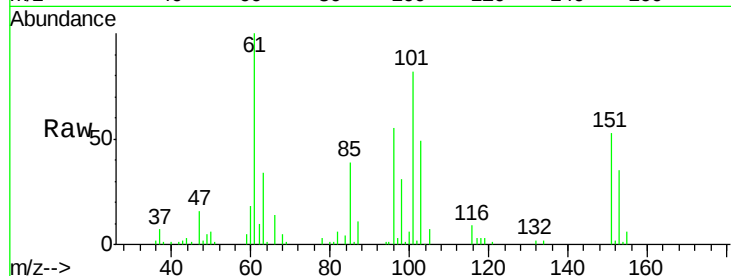
ClientSampleId :

VN0914WBS04

Tot Ion:	101	Resp:	76210
Ion Ratio	Lower	Upper	
101	100		
85	46.9	38.1	57.1
151	71.0	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 17.525 ug/l

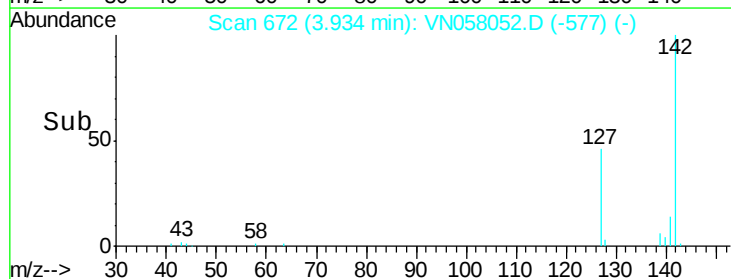
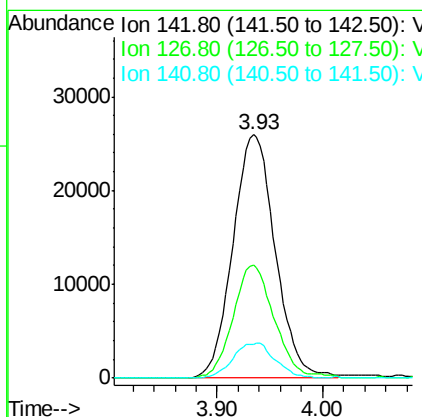
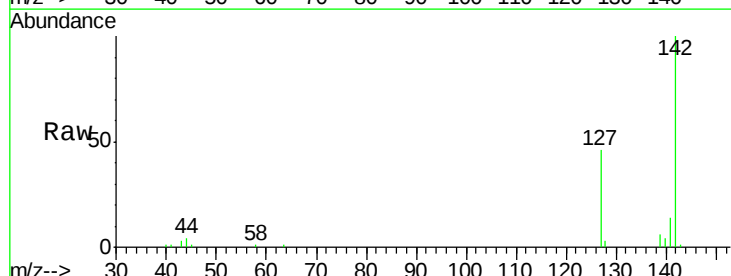
RT: 3.93 min Scan# 672

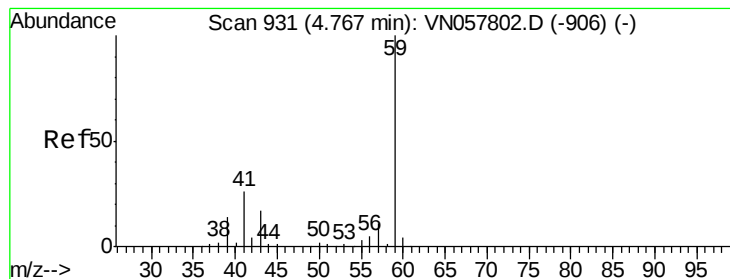
Delta R.T. 0.01 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Tgt Ion:	142	Resp:	72437
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.7	55.1
141	14.3	11.4	17.0





#11

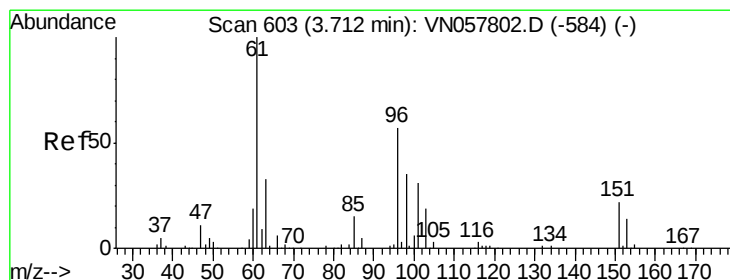
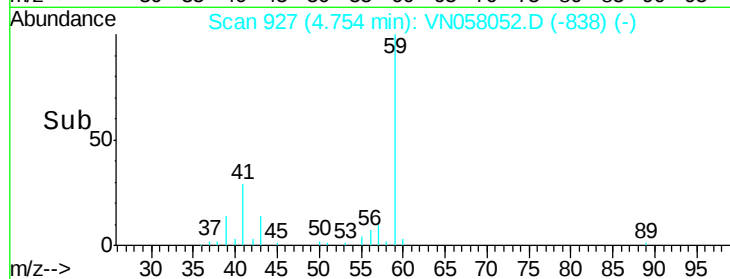
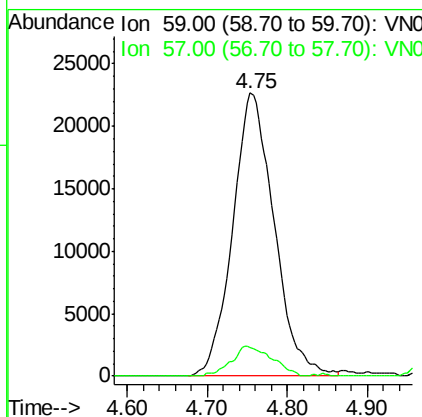
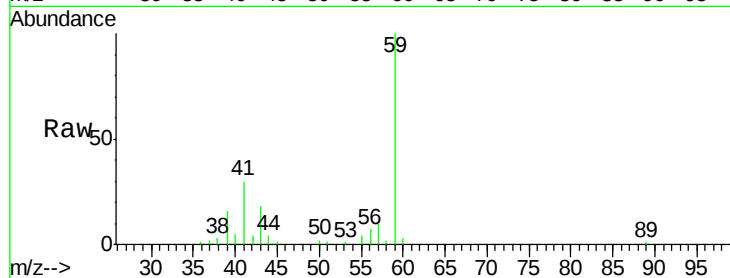
Tert butyl alcohol
Concen: 103.864 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampled :
VN0914WBS04

Tot Ion	Ratio	Resp	Lower	Upper
59	100	79855		
57	10.3		8.4	12.6

Manual Integrations
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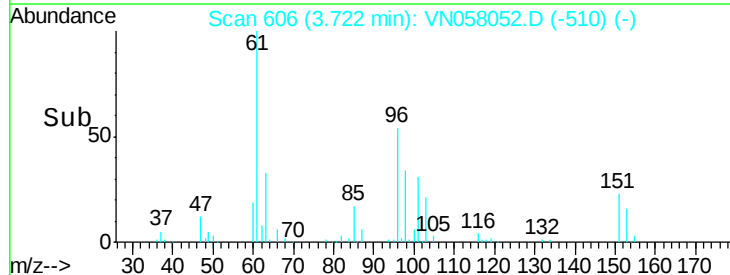
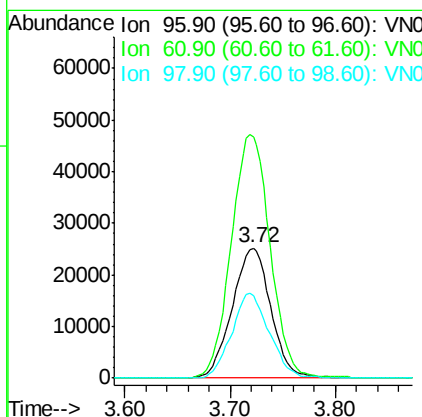
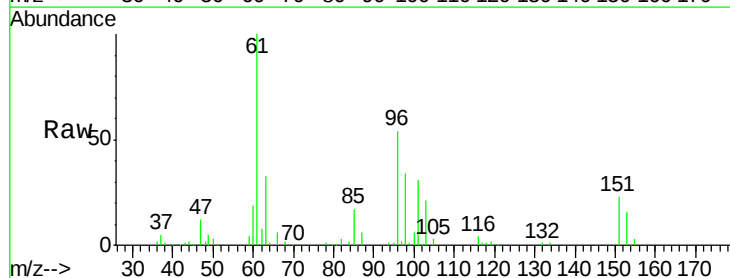
MMDadoda
9/16/2019 2:11:11 PM

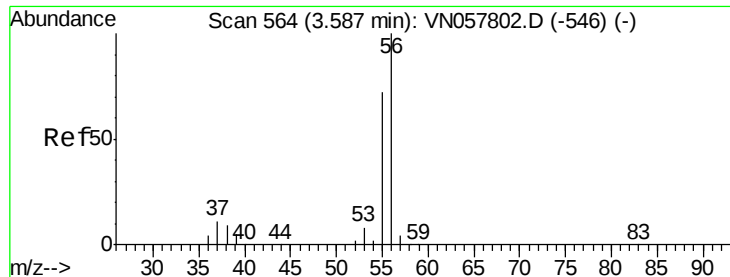


#12

1,1-Dichloroethene
Concen: 19.120 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.01 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	63853		
61	185.7		141.2	211.8
98	63.6		49.9	74.9





#13

Acrolein

Concen: 14.054 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS04

Tot Ion: 56 Resp: 9167

Ion Ratio Lower Upper

56 100

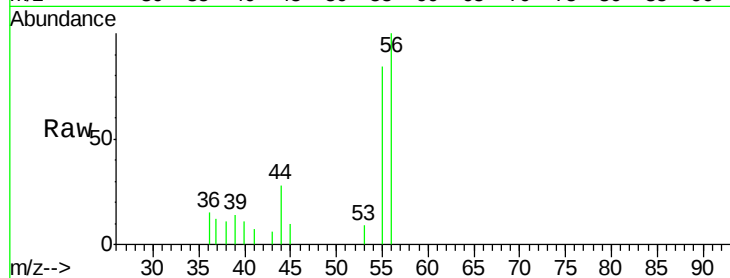
55 69.1 57.3 85.9

Manual Integrations

APPROVED

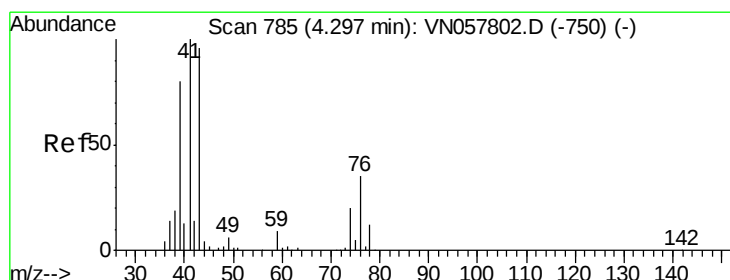
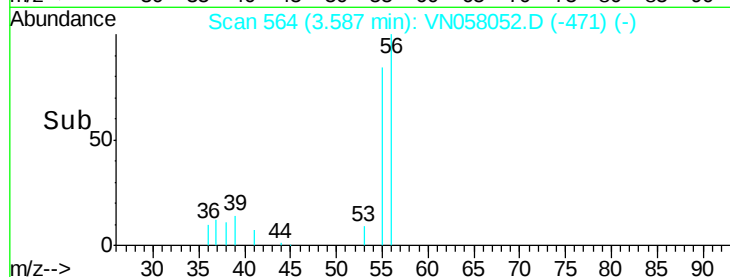
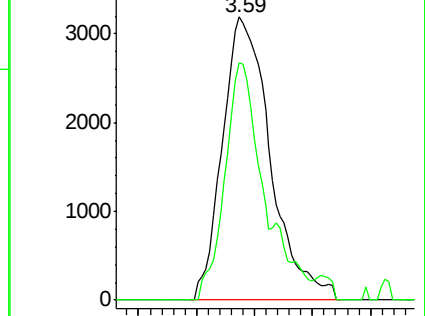
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.064 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

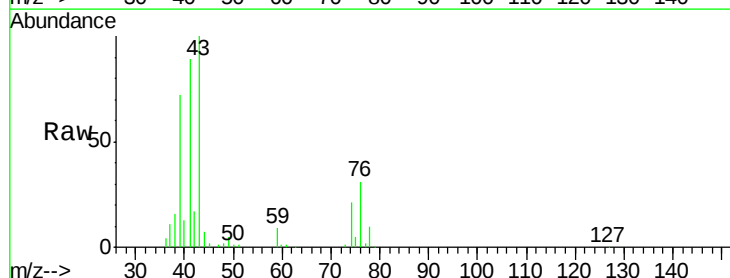
Tgt Ion: 41 Resp: 124595

Ion Ratio Lower Upper

41 100

39 73.4 59.4 89.2

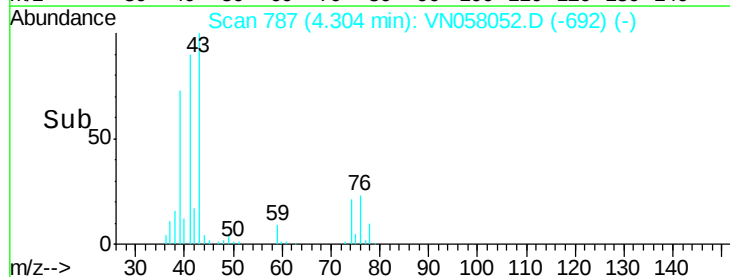
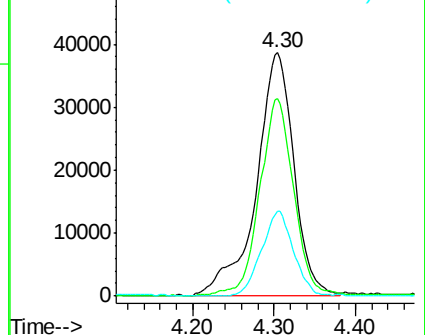
76 29.7 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.168 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

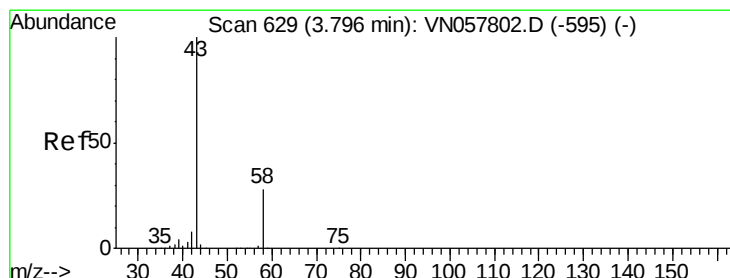
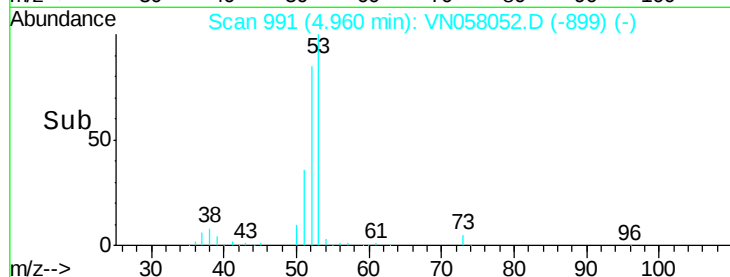
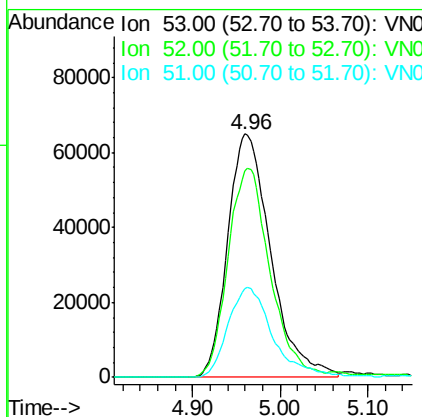
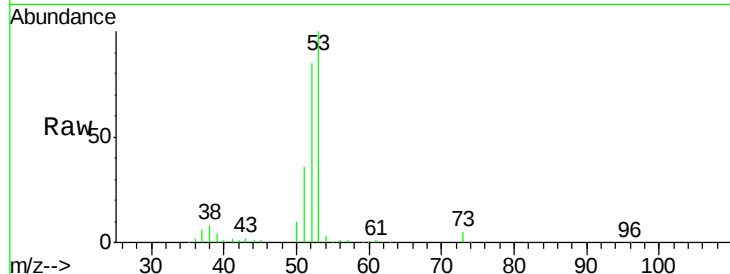
ClientSampleId :

VN0914WBS04

Tot Ion:	53	Resp:	222243
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.6	100.0
51	38.4	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 94.104 ug/l

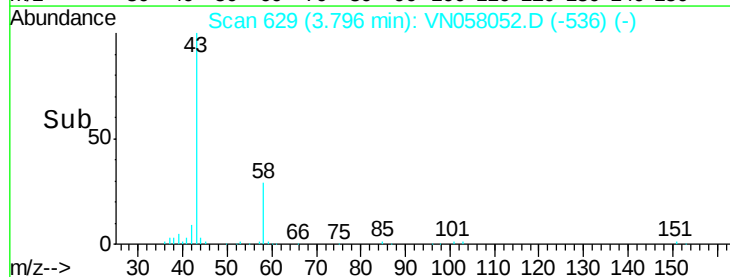
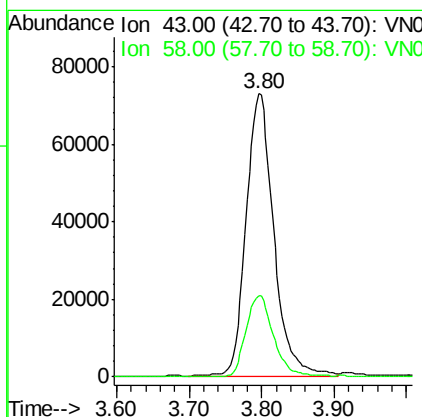
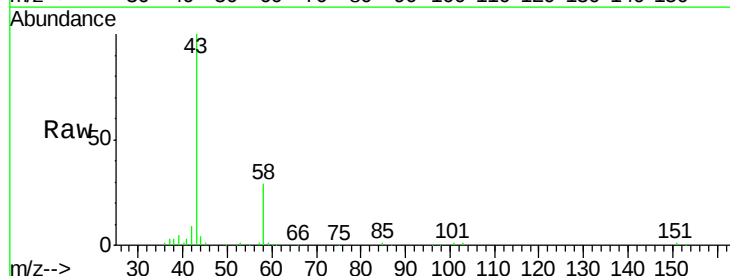
RT: 3.80 min Scan# 629

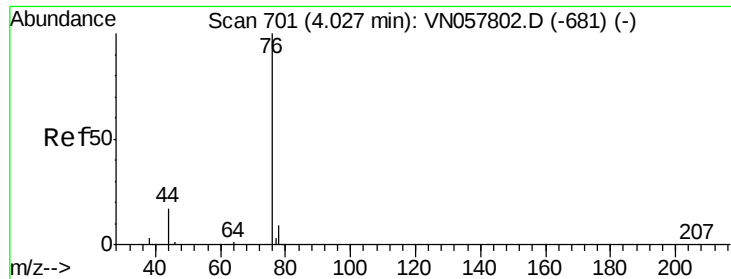
Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Tgt Ion:	43	Resp:	195965
Ion Ratio	Lower	Upper	
43	100		
58	28.6	22.2	33.2





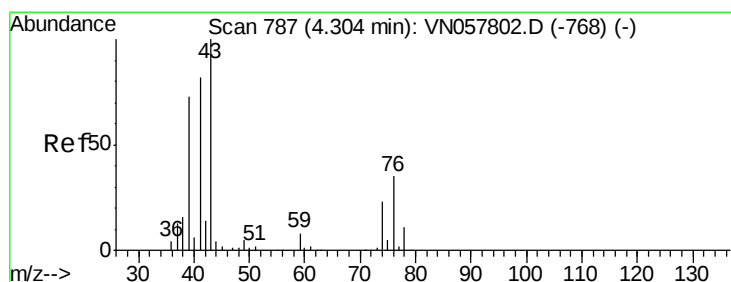
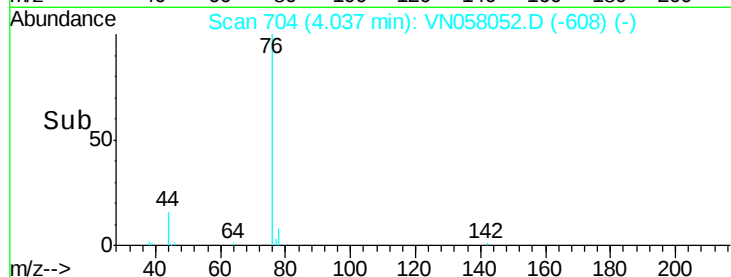
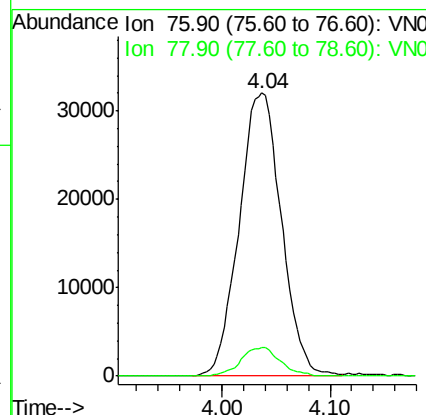
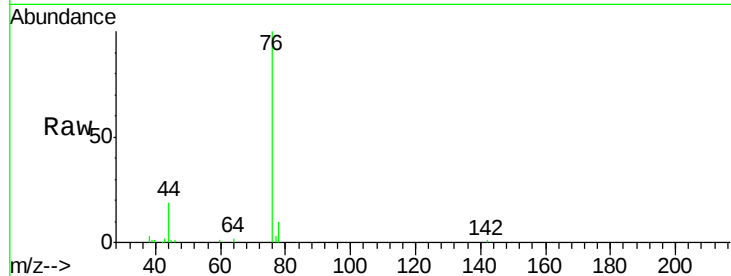
#17
Carbon Disulfide
Concen: 16.899 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.01 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS04

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.1	10.7

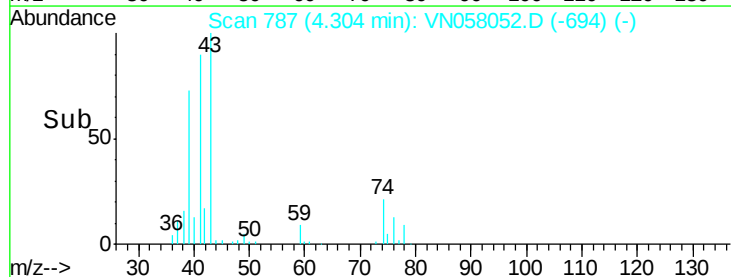
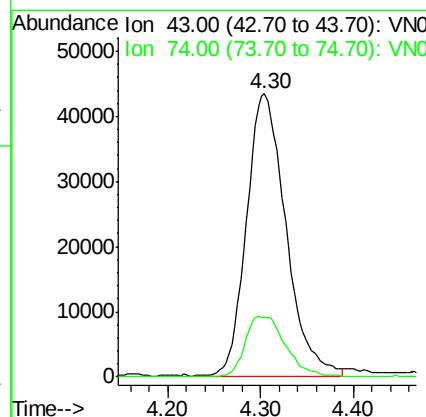
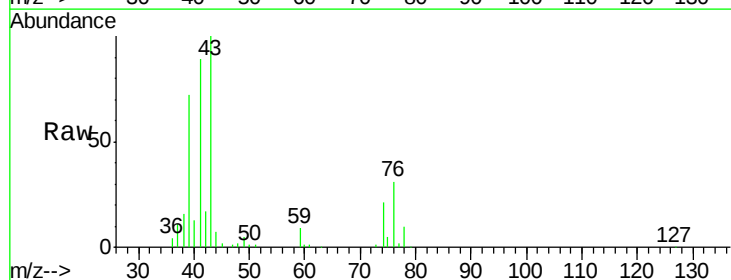
Manual Integrations
APPROVED

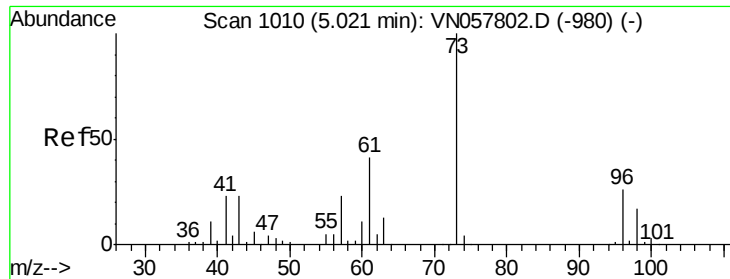
MMDadoda
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#18
Methyl Acetate
Concen: 23.245 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.9	26.9





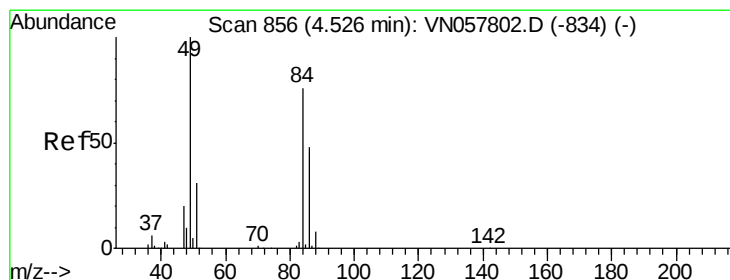
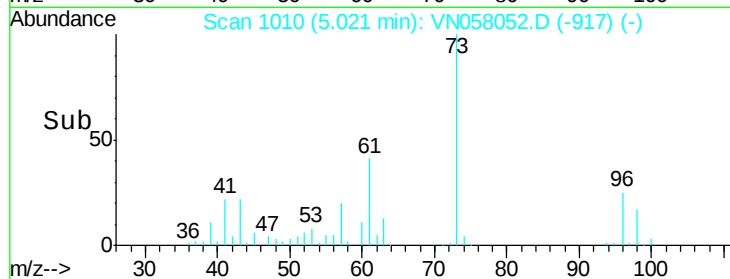
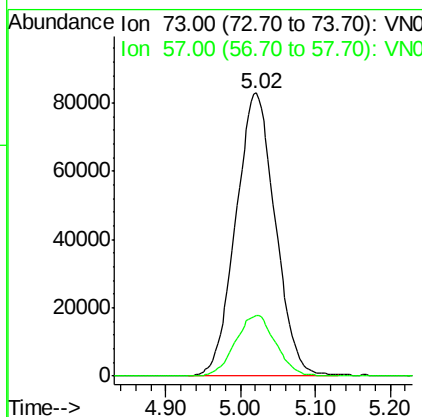
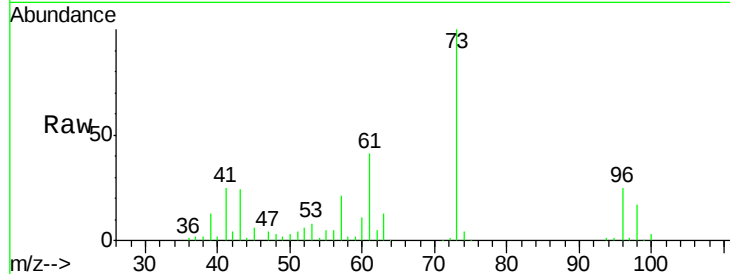
#19
Methvl tert-butvl Ether
Concen: 21.867 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS04

Tot Ion: 73 Resp: 303911
Ion Ratio Lower Upper
73 100
57 21.4 18.2 27.2

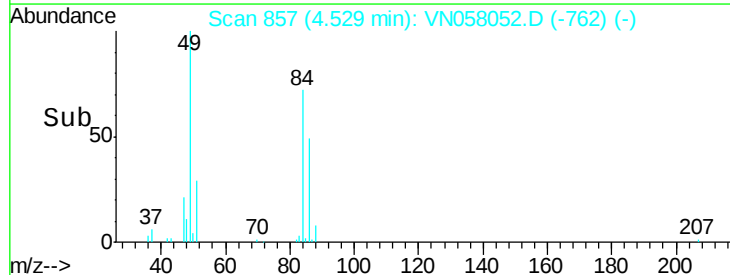
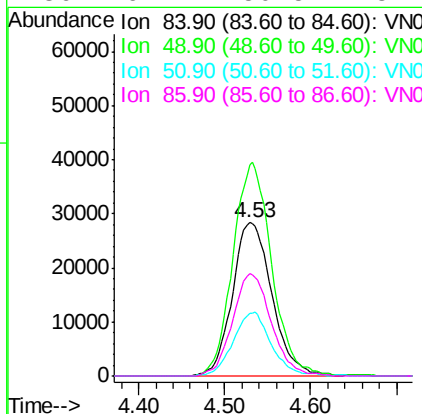
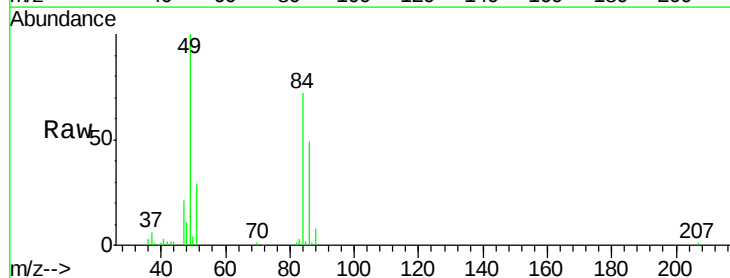
Manual Integrations
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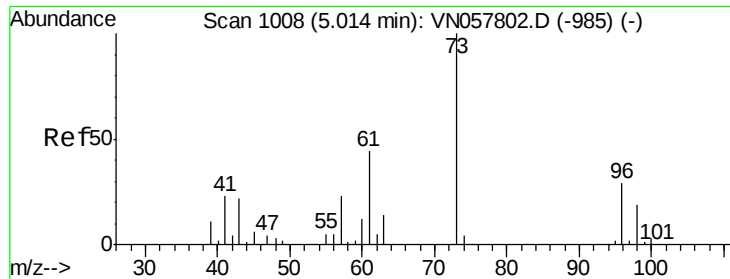
MMDadoda
9/16/2019 2:11:11 PM



#20
Methylene Chloride
Concen: 22.207 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion: 84 Resp: 90749
Ion Ratio Lower Upper
84 100
49 138.4 104.8 157.2
51 40.7 33.0 49.4
86 67.1 50.5 75.7





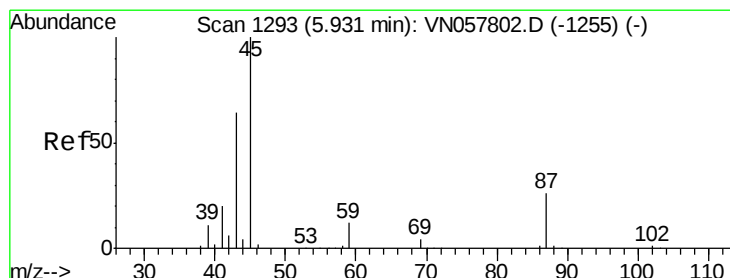
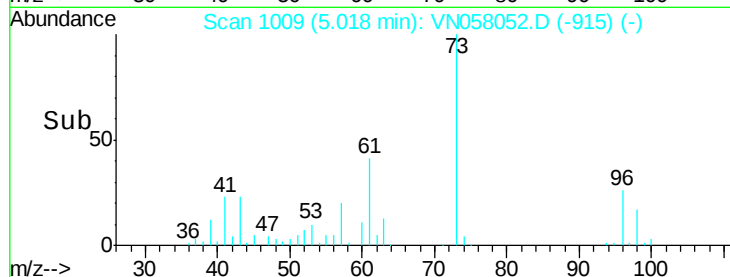
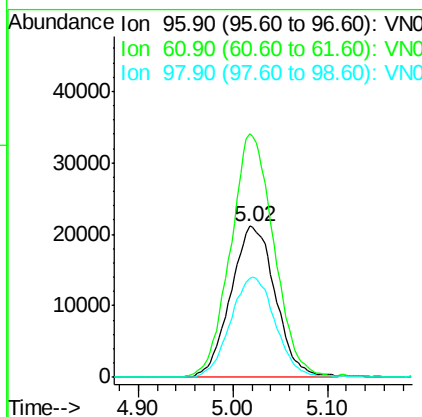
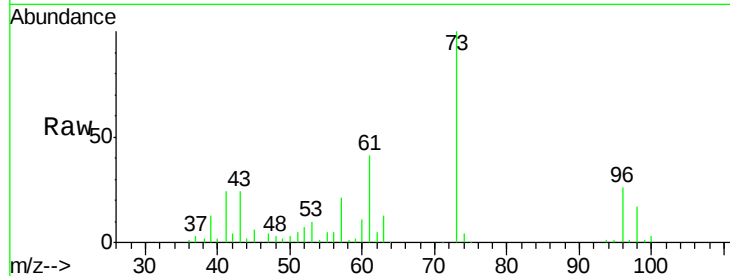
#21
trans-1,2-Dichloroethene
Concen: 19.245 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS04

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.6	121.9	182.9
98	65.6	52.2	78.4

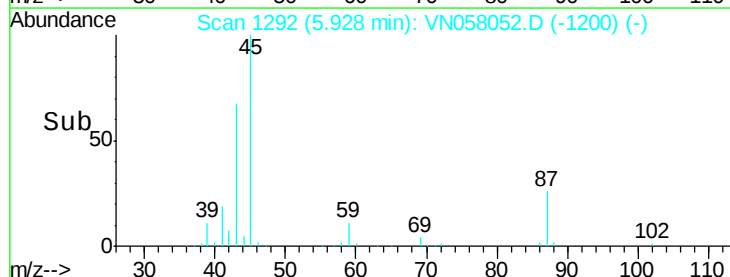
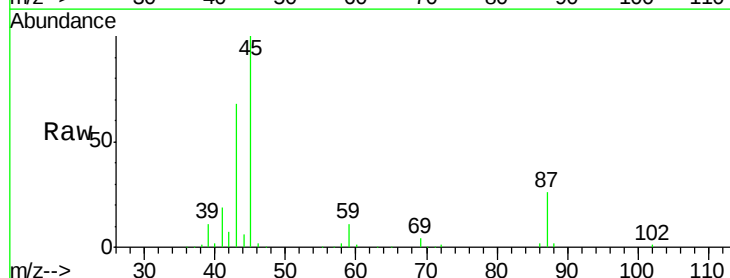
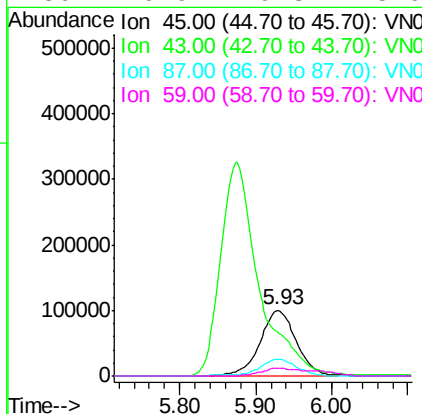
Manual Integrations
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#22
Diisopropyl ether
Concen: 21.719 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.8	51.4	77.2
87	25.7	21.3	31.9
59	10.9	9.3	13.9





#23

Vinyl Acetate

Concen: 105.288 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS04

Tot Ion: 43 Resp: 1143646

Ion Ratio Lower Upper

43 100

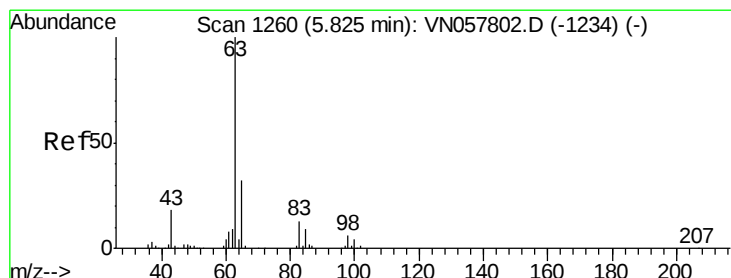
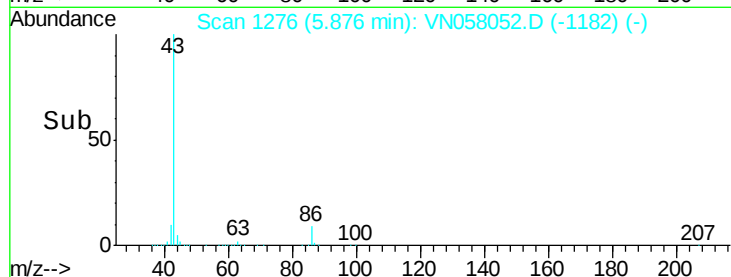
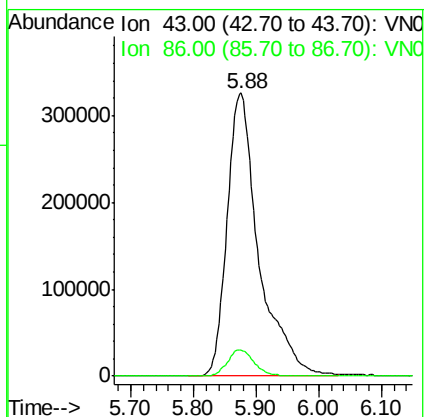
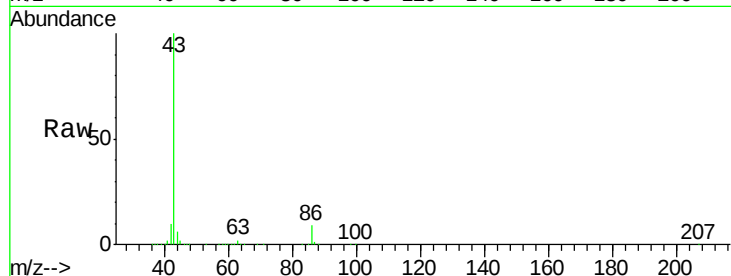
86 9.1 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.375 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

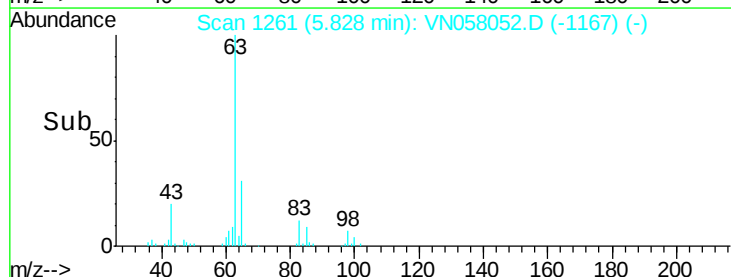
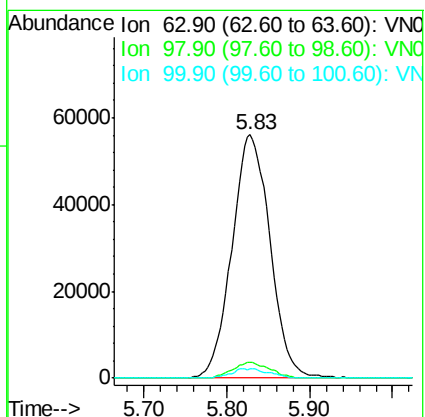
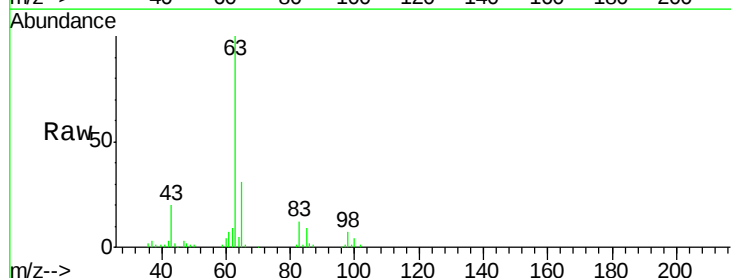
Tgt Ion: 63 Resp: 179048

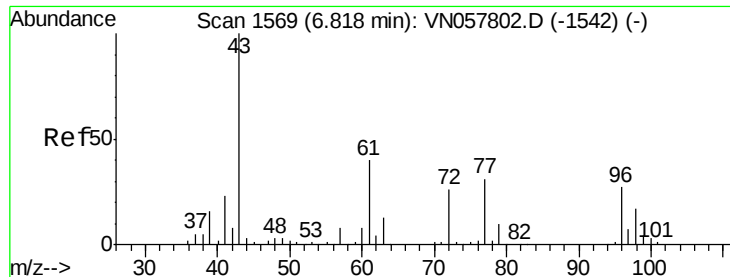
Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

100 3.6 2.0 5.8





#25

2-Butanone

Concen: 100.188 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

ClientSampled :

VN0914WBS04

Tot Ion: 43 Resp: 301966

Ion Ratio Lower Upper

43 100

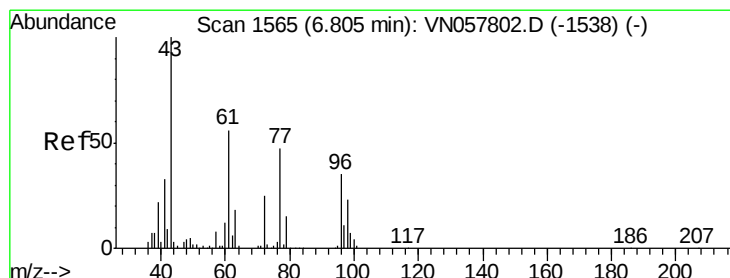
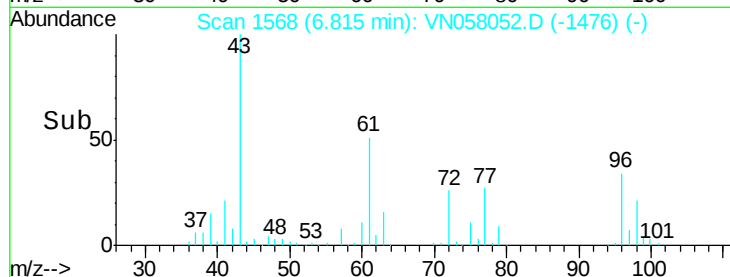
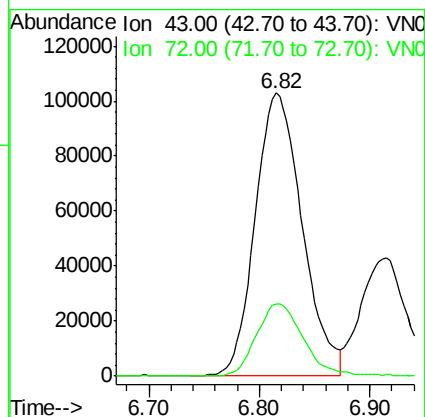
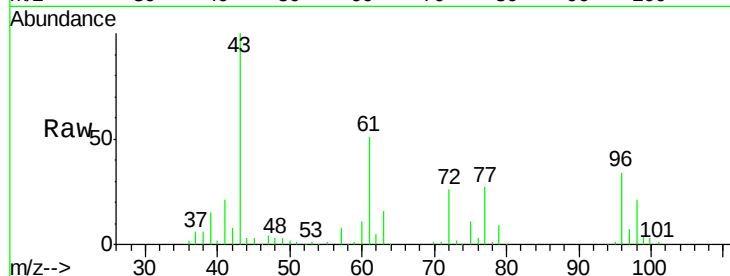
72 25.7 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 14.660 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058052.D

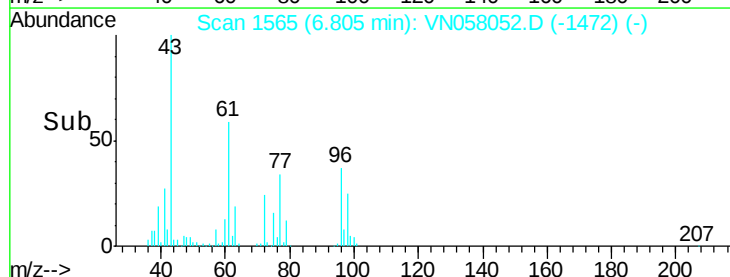
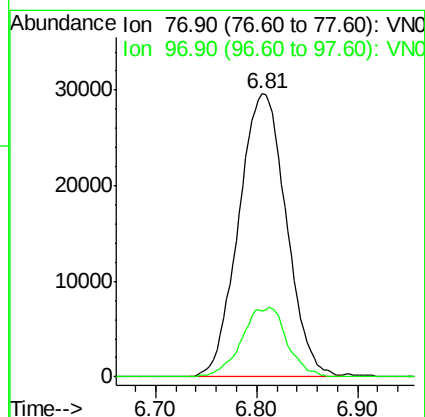
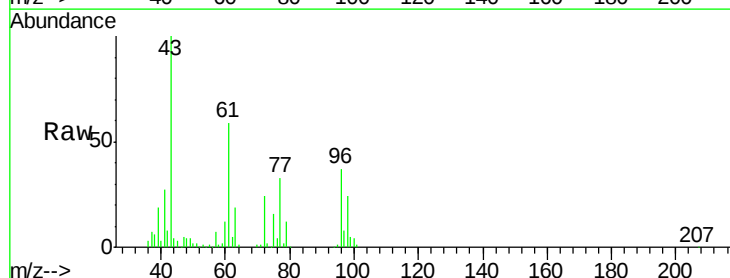
Acq: 14 Sep 2019 5:38

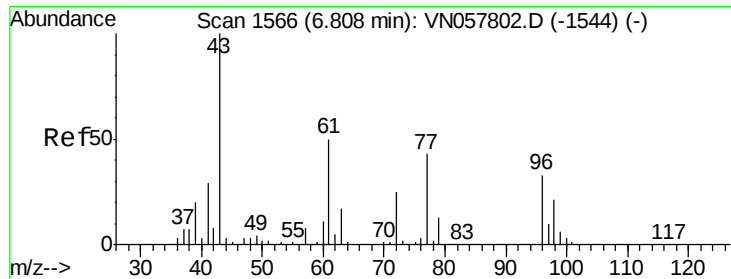
Tgt Ion: 77 Resp: 97184

Ion Ratio Lower Upper

77 100

97 11.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 21.117 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

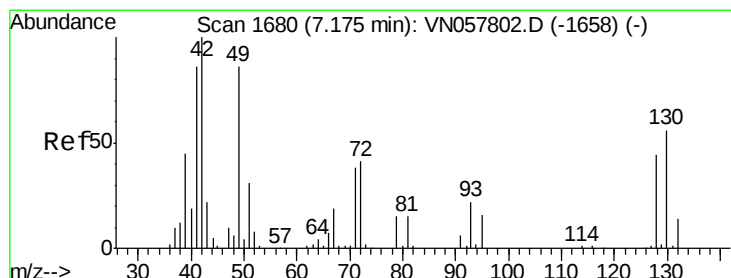
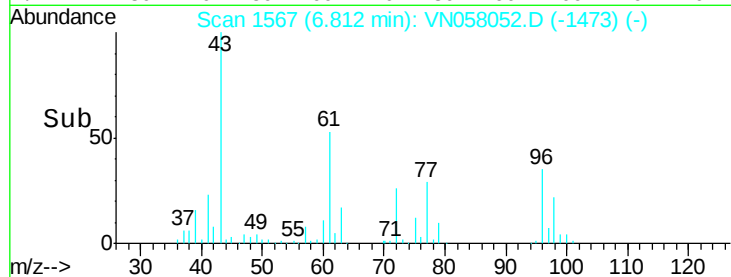
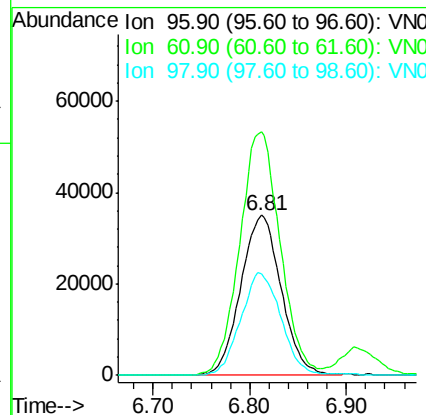
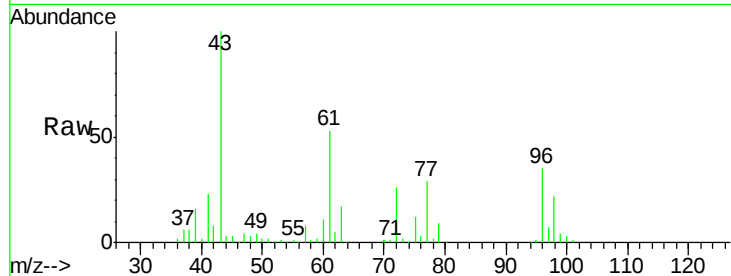
ClientSampleId :

VN0914WBS04

Tot Ion:	96	Resp:	102167
Ion Ratio	Lower	Upper	
96	100		
61	151.6	0.0	314.0
98	63.5	0.0	128.6

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#28

Bromochloromethane

Concen: 22.315 ug/l

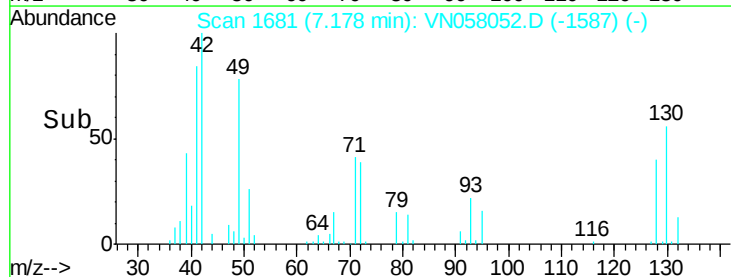
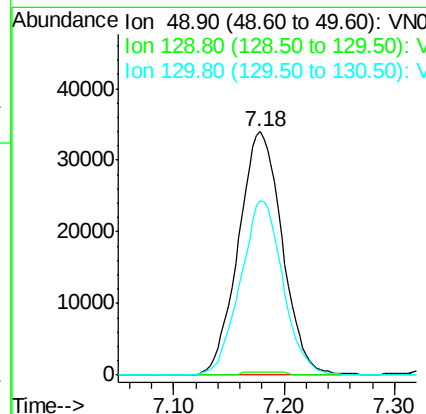
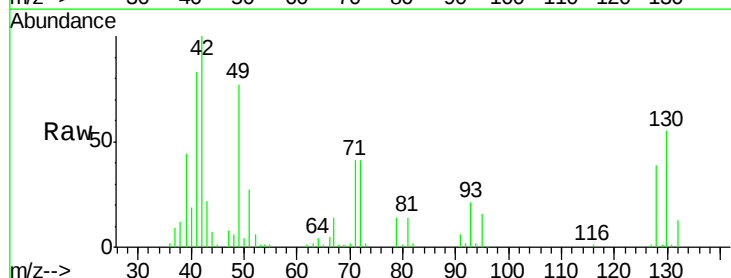
RT: 7.18 min Scan# 1681

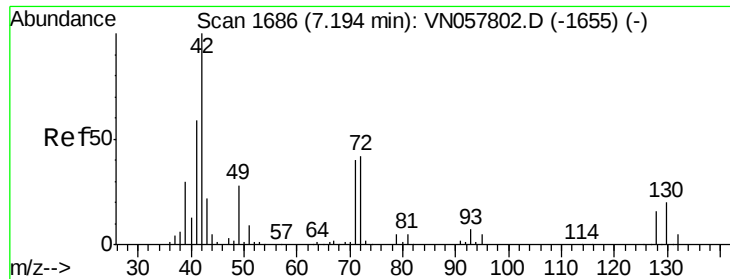
Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Tgt Ion:	49	Resp:	93385
Ion Ratio	Lower	Upper	
49	100		
129	1.2	0.0	3.8
130	69.5	53.0	79.6





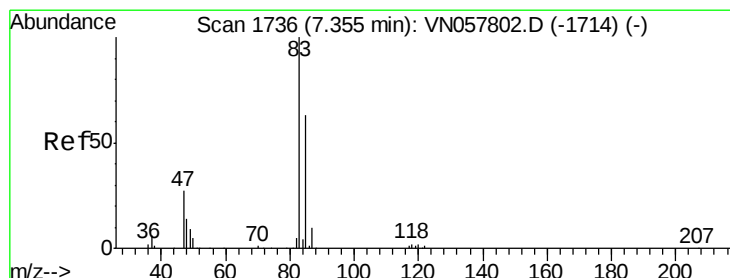
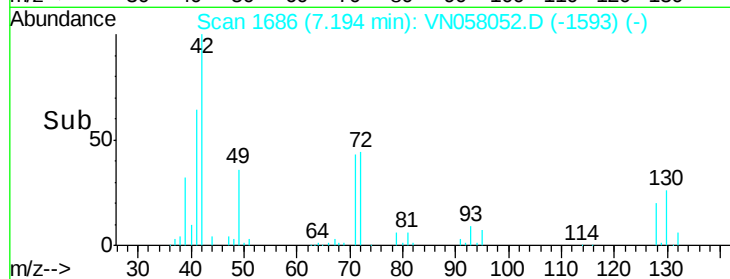
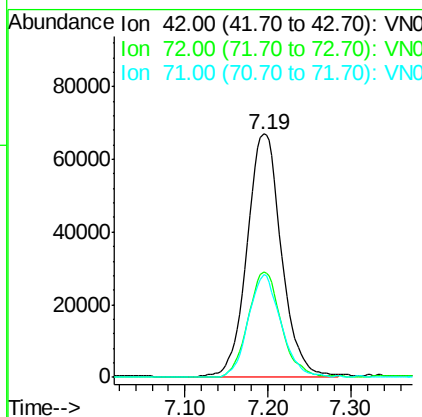
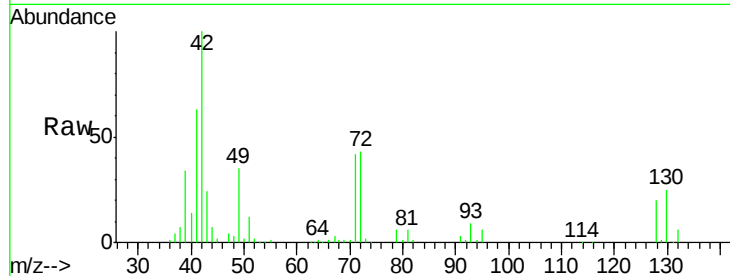
#29
Tetrahydrofuran
Concen: 103.300 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS04

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.7	50.5
71	40.3	31.9	47.9

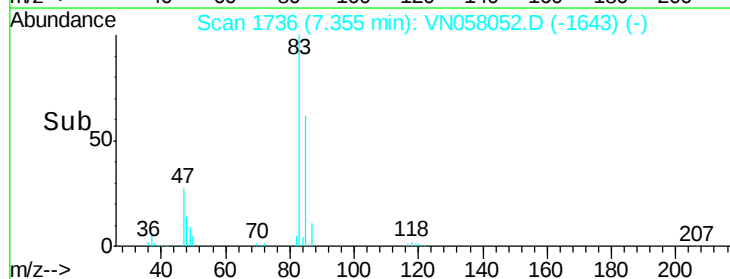
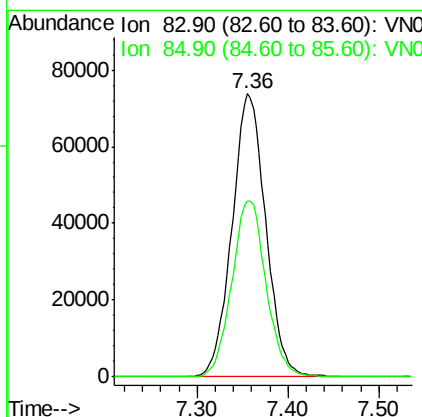
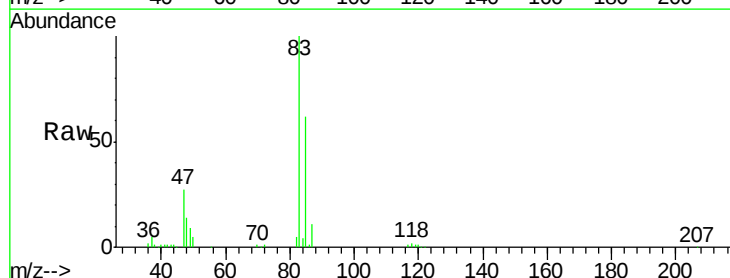
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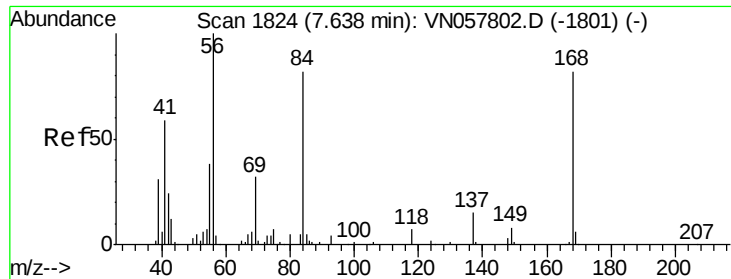
MMDadoda
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#30
Chloroform
Concen: 21.634 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.6	75.8





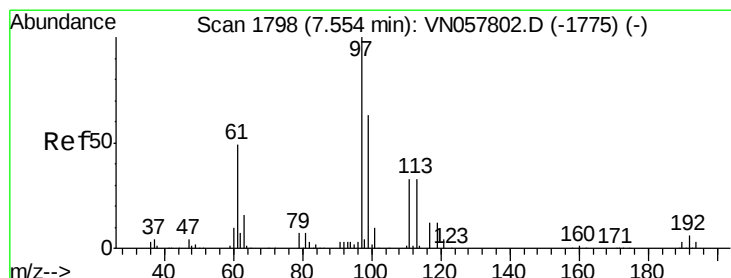
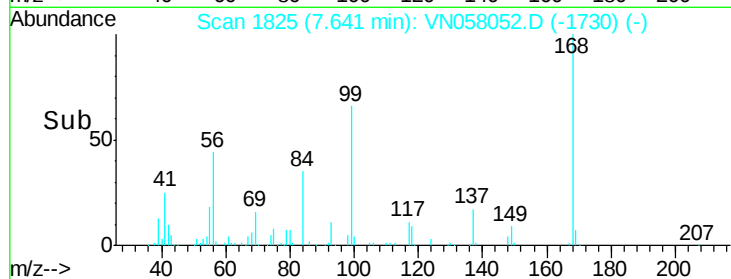
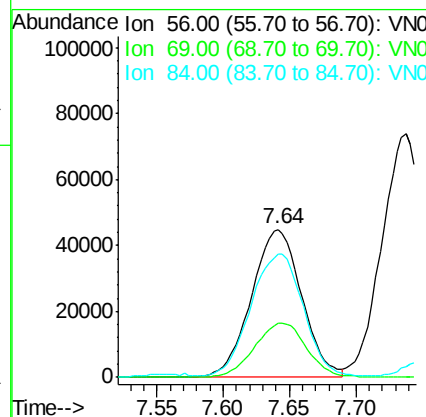
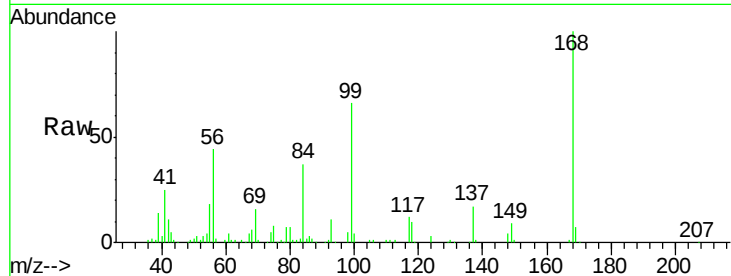
#31
Cyclohexane
Concen: 19.446 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS04

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.5	25.9	38.9
84	82.2	65.6	98.4

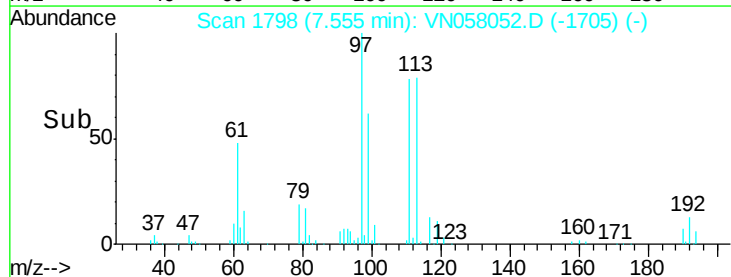
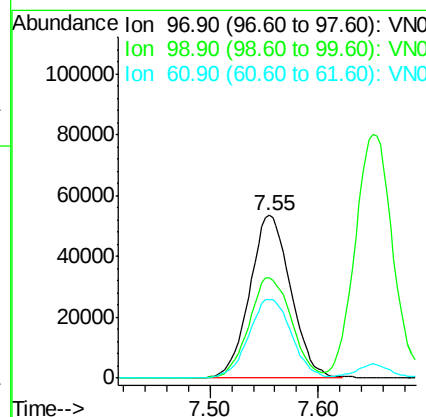
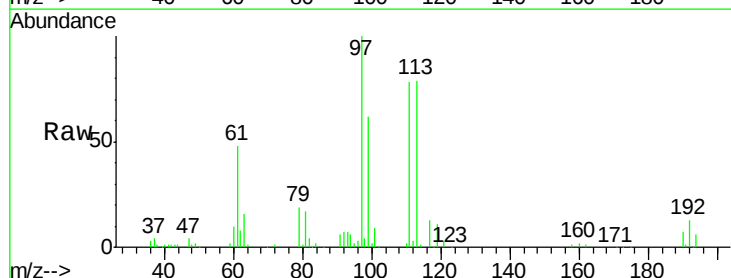
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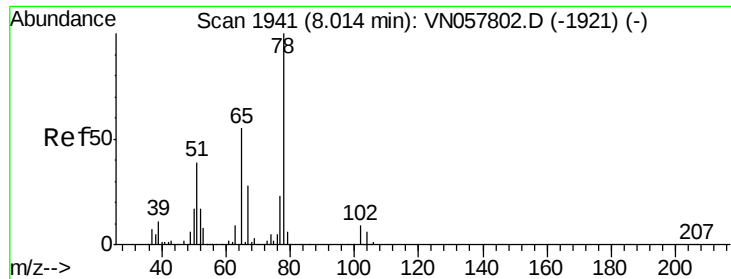
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#32
1,1,1-Trichloroethane
Concen: 20.330 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	50.4	39.0	58.6





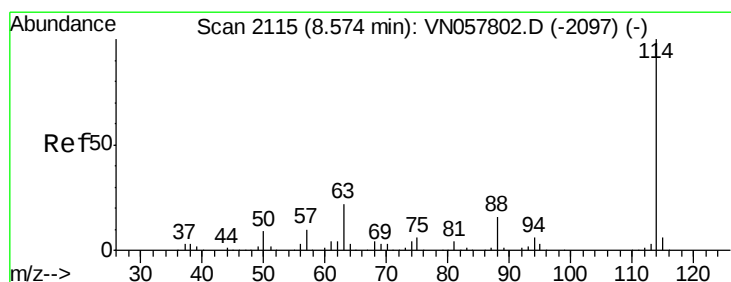
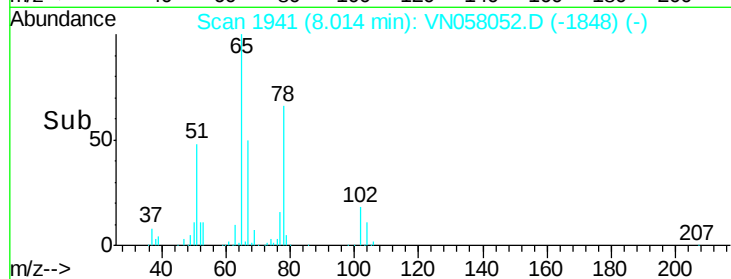
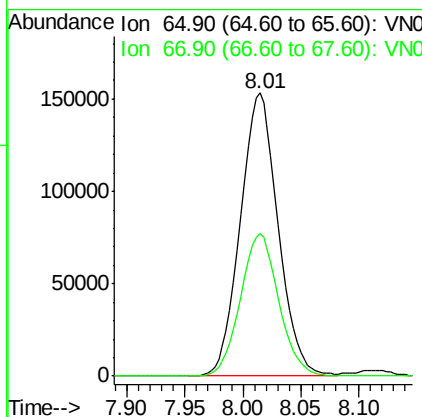
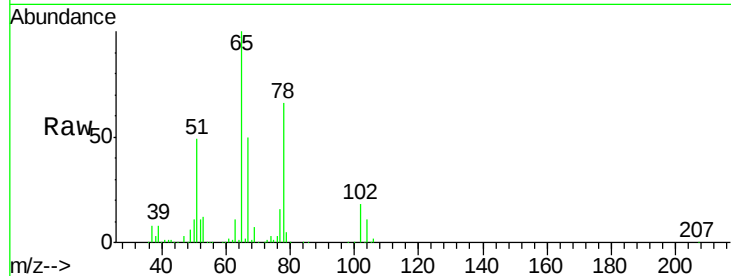
#33
 1,2-Dichloroethane-d4
 Concen: 54.707 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS04

Tot Ion	Ratio	Resp	Lower	Upper
65	100	347519		
67	50.9	0.0	104.0	

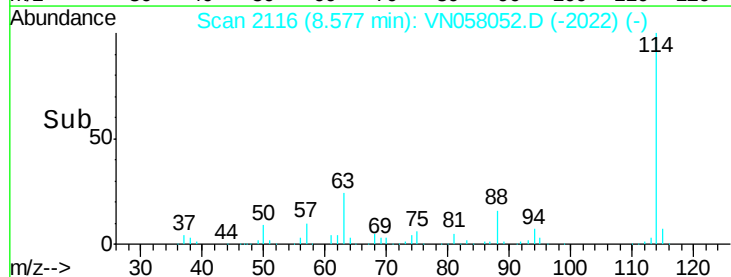
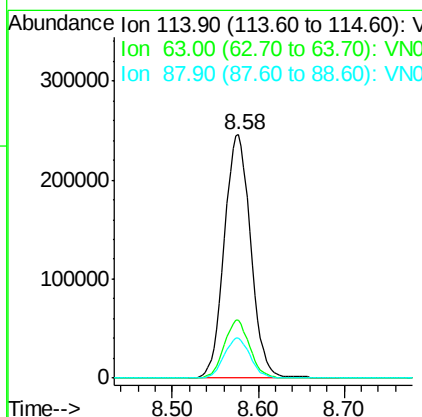
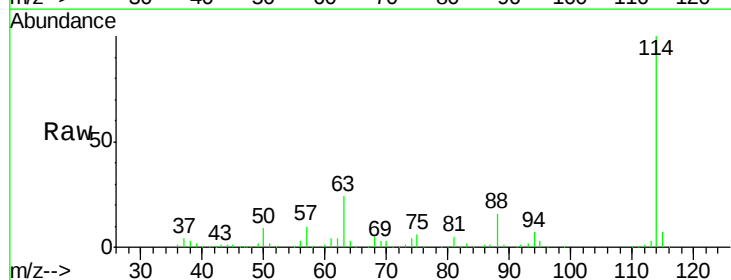
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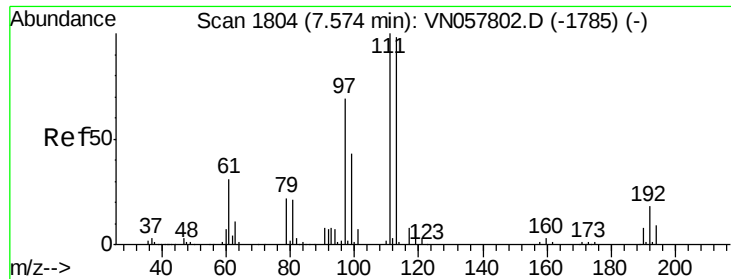
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	524728		
63	23.7	0.0	44.0	
88	16.3	0.0	31.4	





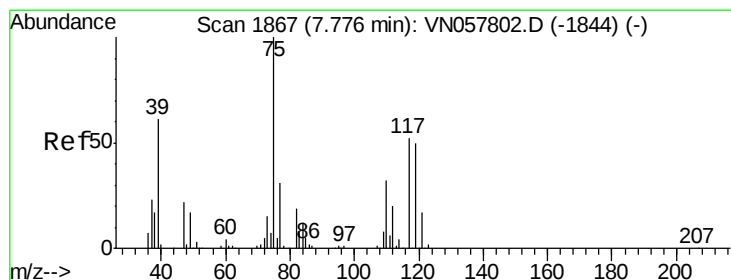
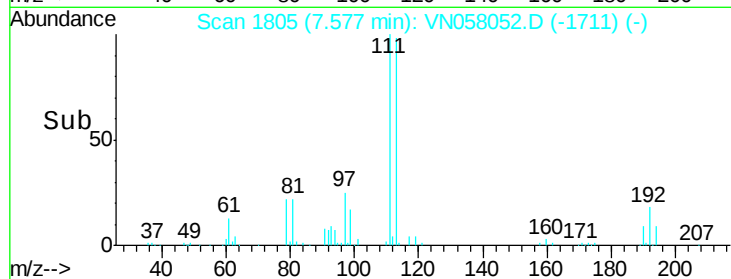
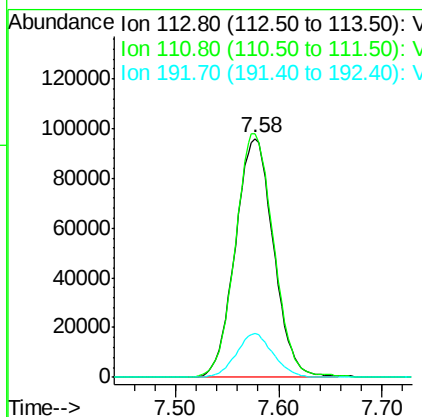
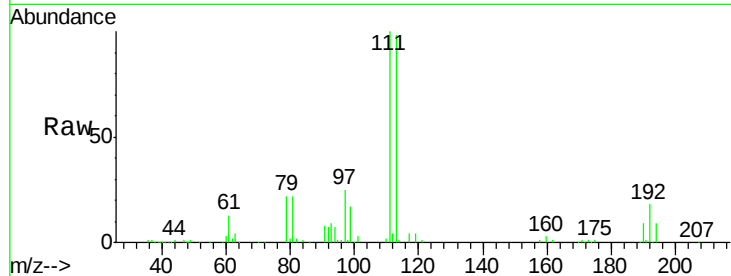
#35
 Dibromofluoromethane
 Concen: 51.091 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS04

Tot Ion	Ratio	Resp	Lower	Upper
113	100	247434		
111	102.5	81.3	121.9	
192	17.8	14.6	22.0	

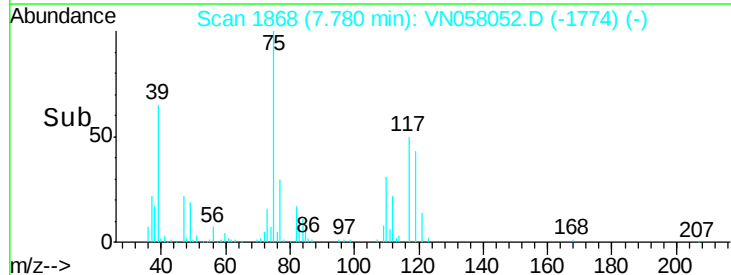
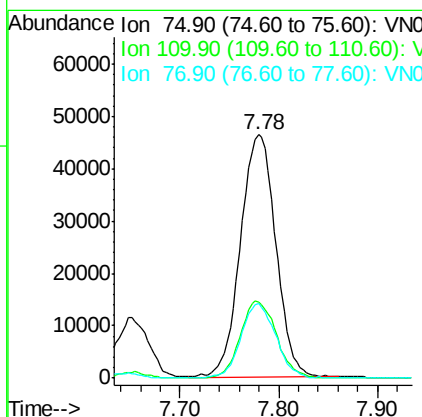
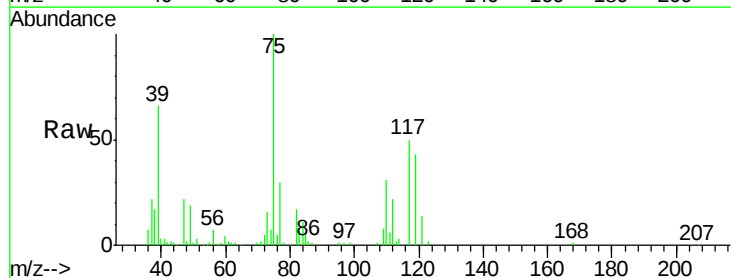
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#36
 1,1-Dichloropropene
 Concen: 18.926 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	115173		
110	32.4	16.3	48.9	
77	30.3	25.0	37.4	





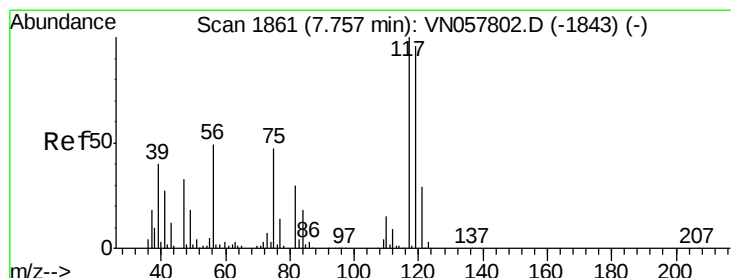
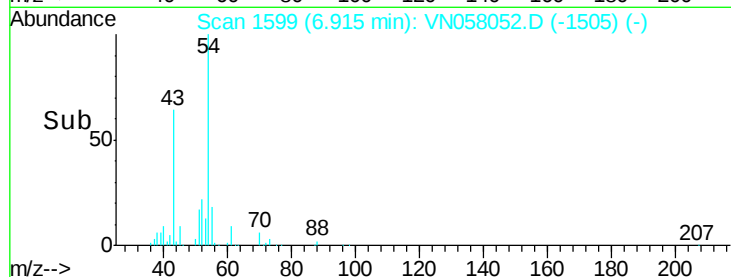
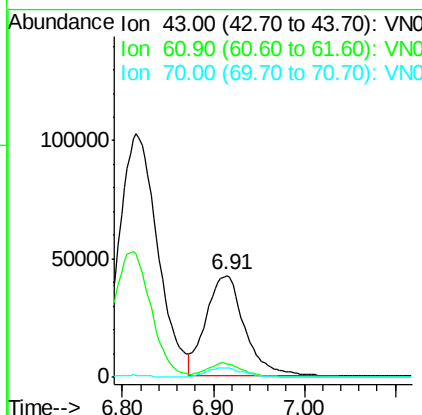
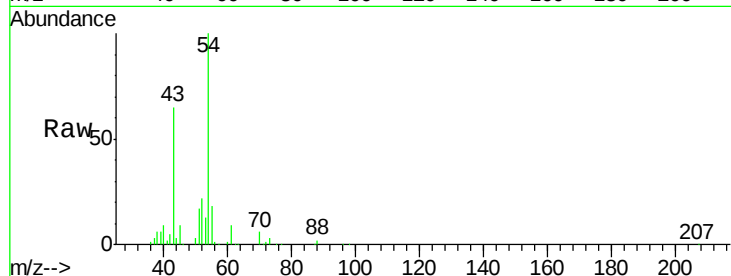
#37
Ethyl Acetate
Concen: 20.034 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampled :
VN0914WBS04

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.2	7.4	11.0

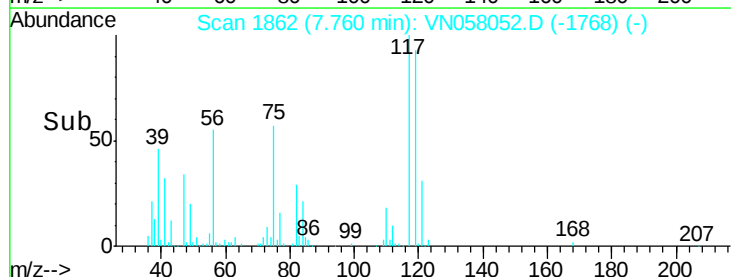
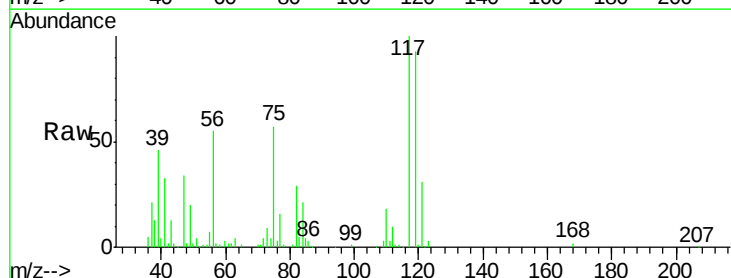
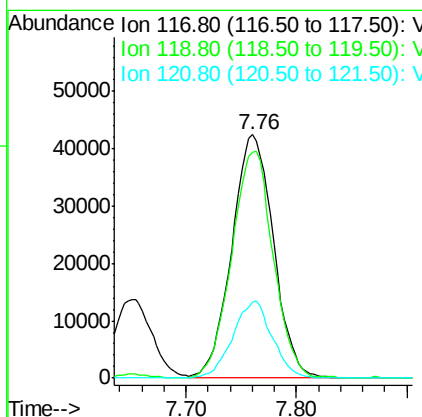
Manual Integrations
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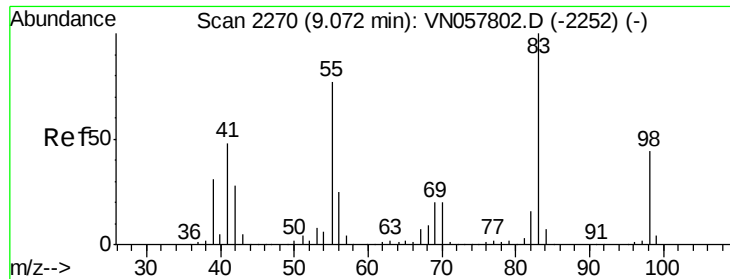
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#38
Carbon Tetrachloride
Concen: 19.980 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.9	115.3
121	31.1	23.4	35.2





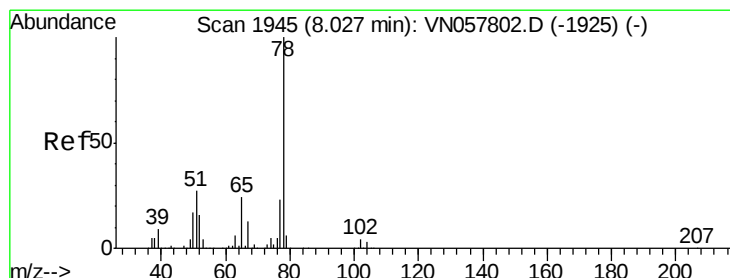
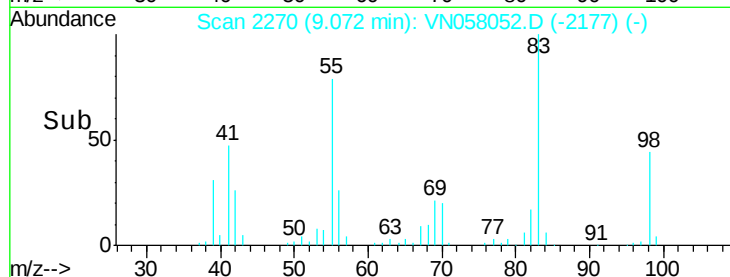
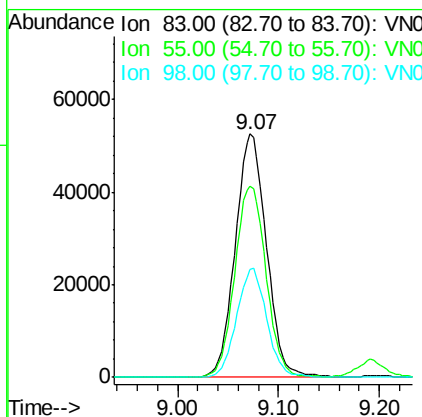
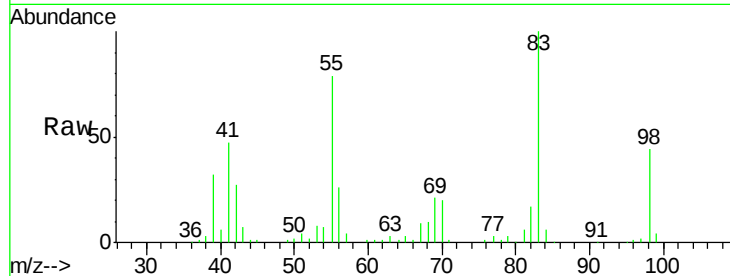
#39
Methvlcvclohexane
Concen: 17.597 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS04

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.5	61.6	92.4	
98	44.5	34.9	52.3	

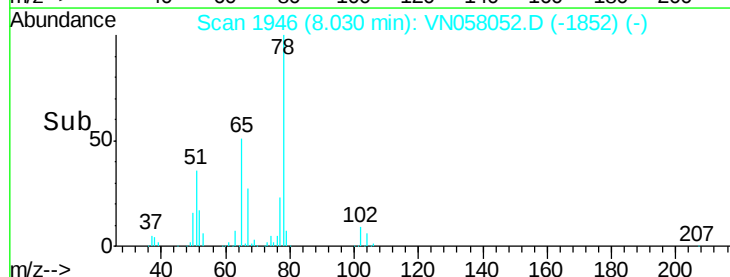
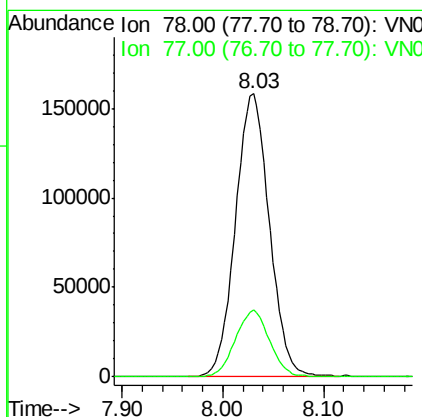
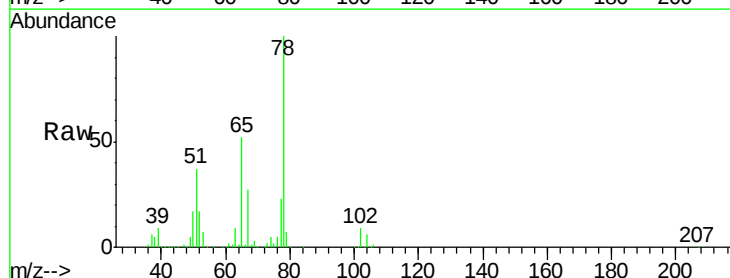
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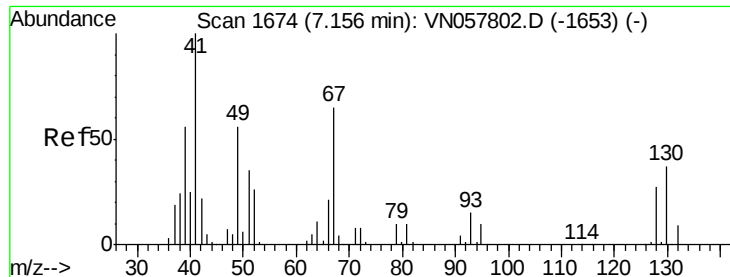
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#40
Benzene
Concen: 20.191 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.3	27.5	





#41

Methacrylonitrile

Concen: 18.634 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS04

Tot Ion: 41 Resp: 53184

Ion Ratio Lower Upper

41 100

39 68.6 51.0 76.6

67 96.5 70.7 106.1

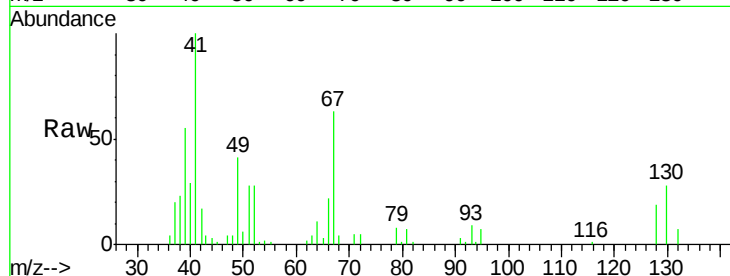
52 42.8 30.8 46.2

Manual Integrations

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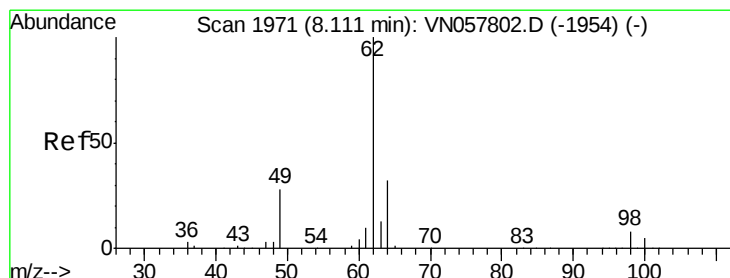
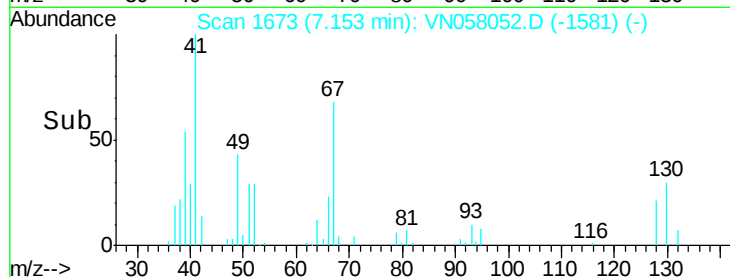
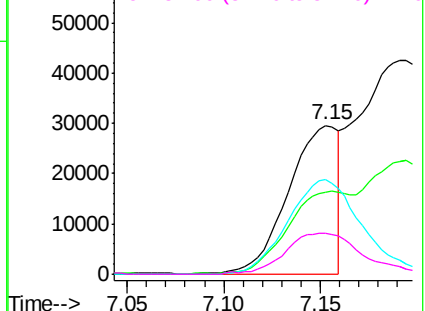


Abundance Ion 41.00 (40.70 to 41.70): VN057802.D (-1653) (-)

Ion 39.00 (38.70 to 39.70): VN057802.D (-1653) (-)

Ion 67.00 (66.70 to 67.70): VN057802.D (-1653) (-)

Ion 52.00 (51.70 to 52.70): VN057802.D (-1653) (-)



#42

1,2-Dichloroethane

Concen: 21.069 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058052.D

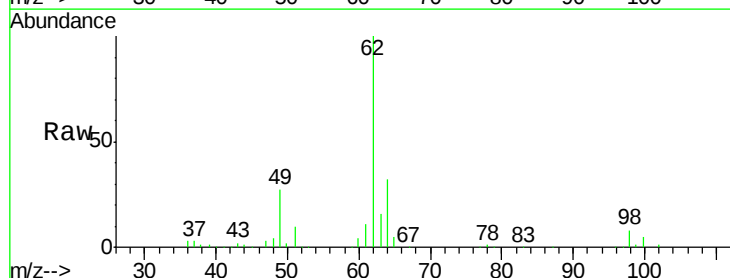
Acq: 14 Sep 2019 5:38

Tgt Ion: 62 Resp: 154381

Ion Ratio Lower Upper

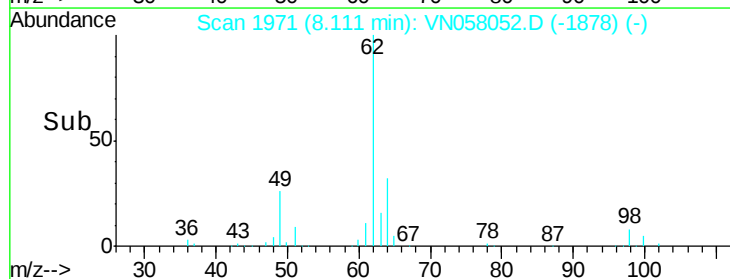
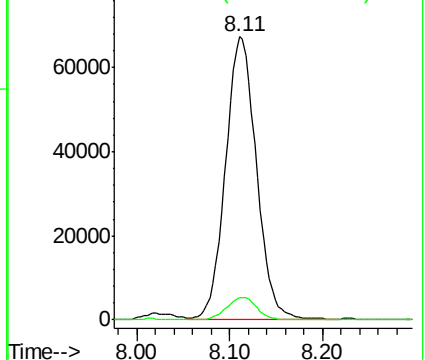
62 100

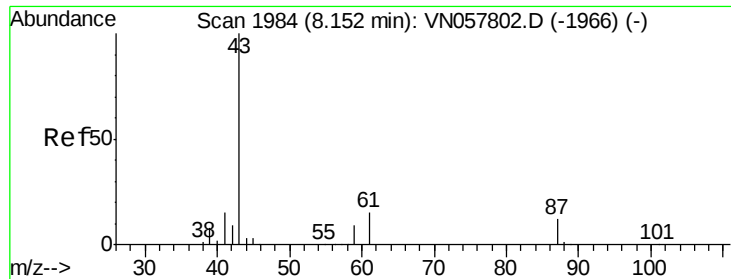
98 7.8 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN057802.D (-1954) (-)

Ion 97.90 (97.60 to 98.60): VN057802.D (-1954) (-)





#43

Isopropyl Acetate

Concen: 21.846 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

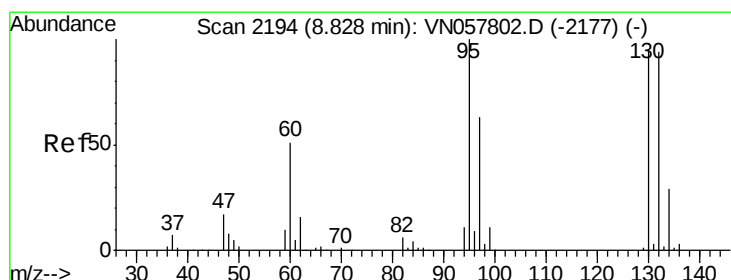
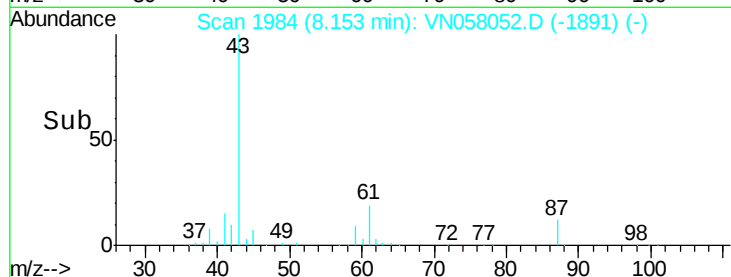
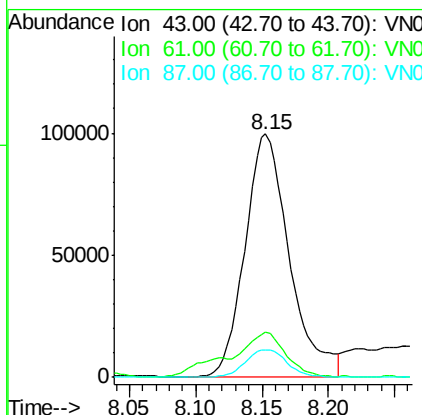
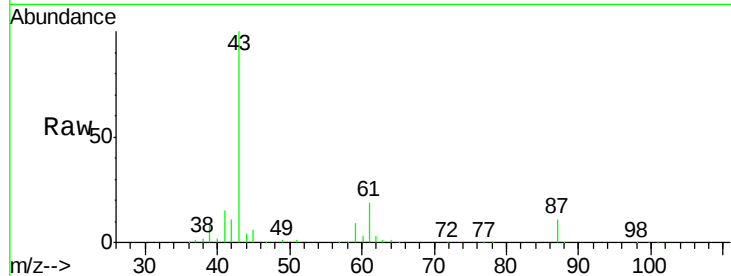
ClientSampled :

VN0914WBS04

Tot Ion:	43	Resp:	230984
Ion Ratio	Lower	Upper	
43	100		
61	16.4	20.1	30.1#
87	10.9	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 19.866 ug/l

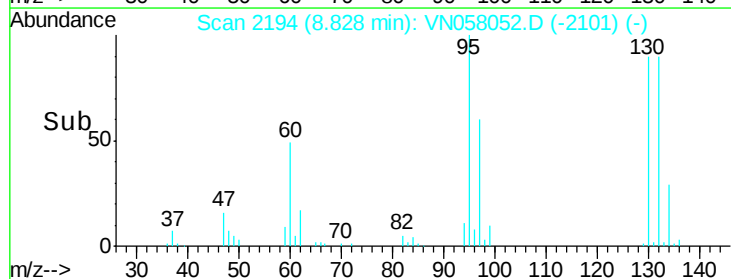
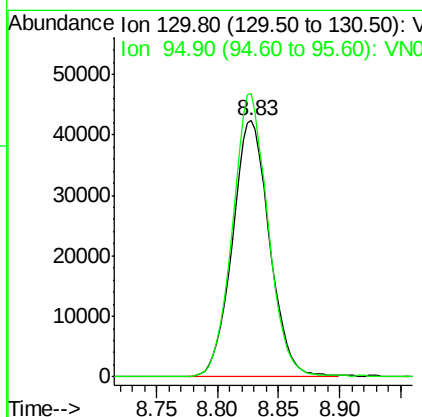
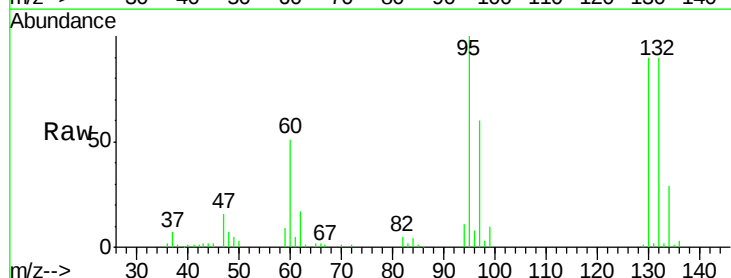
RT: 8.83 min Scan# 2194

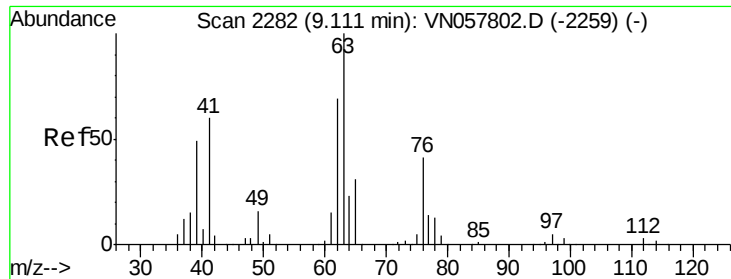
Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Tgt Ion:	130	Resp:	89272
Ion Ratio	Lower	Upper	
130	100		
95	110.5	0.0	211.4





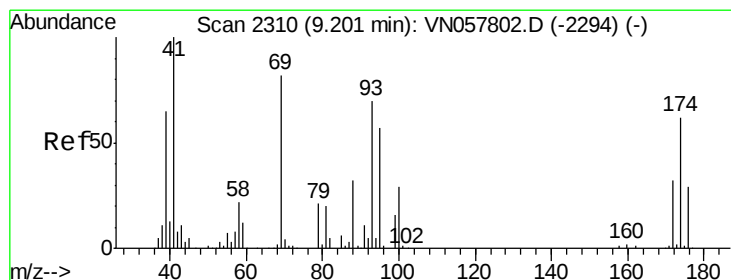
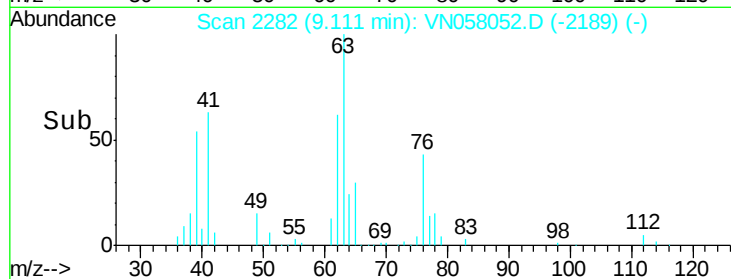
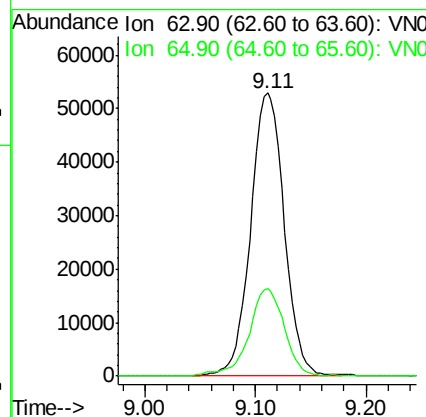
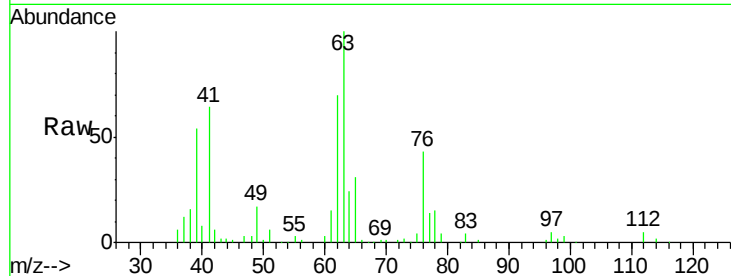
#45
 1,2-Dichloropropane
 Concen: 20.973 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS04

Tot Ion	Ratio	Resp	Lower	Upper
63	100	111813		
65	30.8	24.8	37.2	

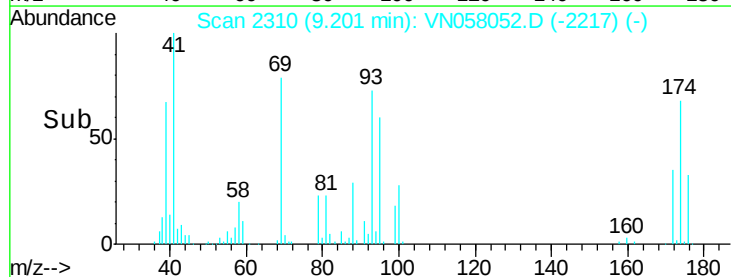
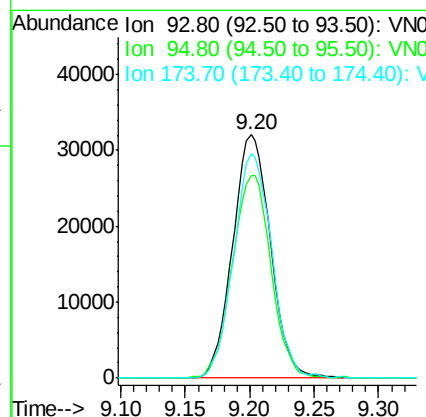
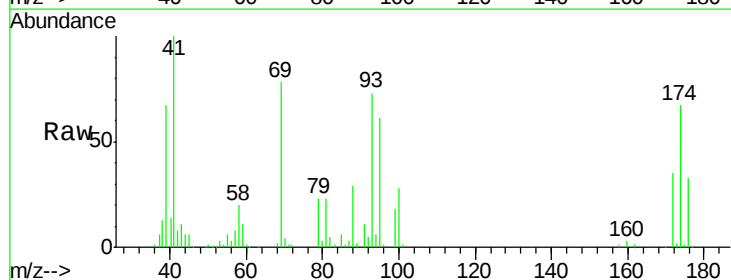
Manual Integrations
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 9/16/2019 2:11:11 PM



#46
 Dibromomethane
 Concen: 20.287 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	65354		
95	85.1	65.9	98.9	
174	92.3	71.8	107.6	





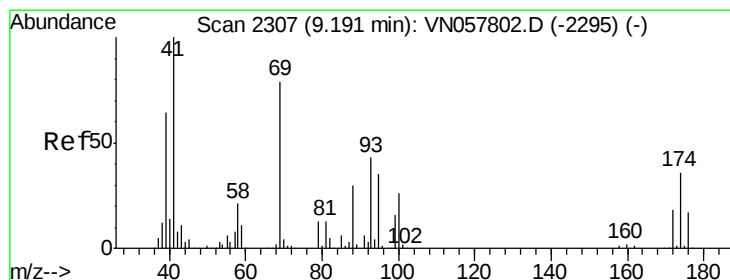
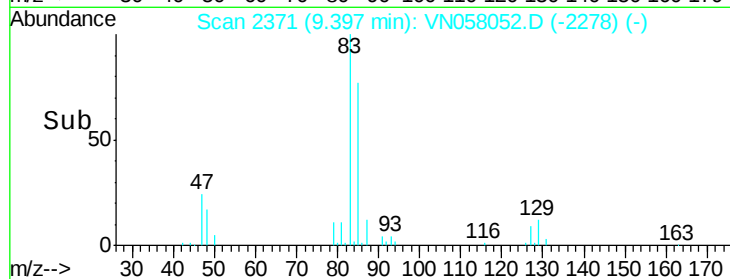
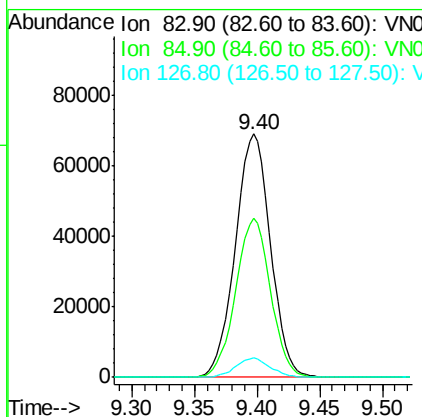
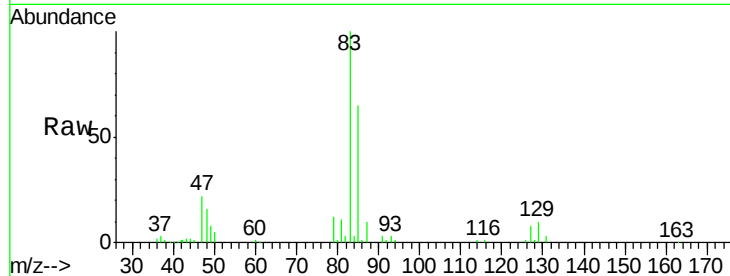
#47
Bromodichloromethane
Concen: 20.989 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS04

Tot Ion:	83	Resp:	135026
Ion Ratio	Lower	Upper	
83	100		
85	65.2	49.9	74.9
127	7.9	6.5	9.7

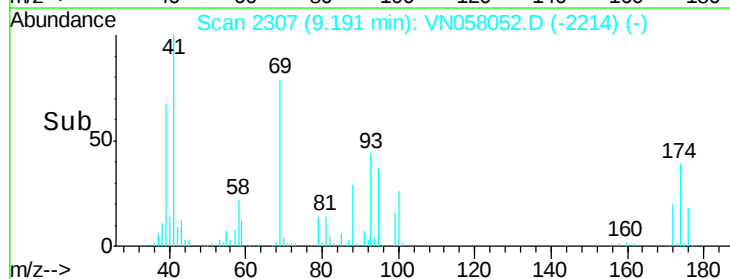
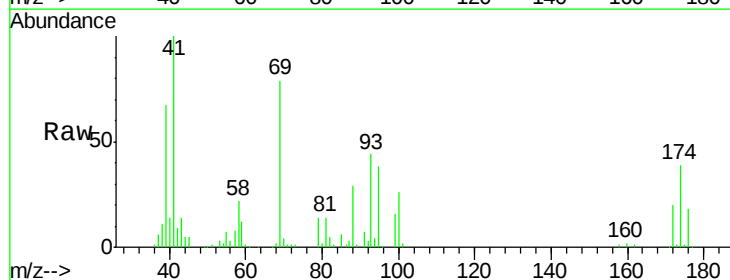
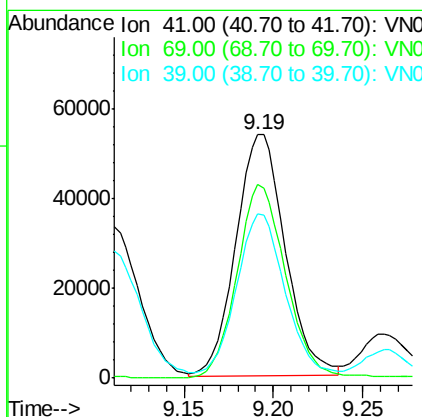
Manual Integrations
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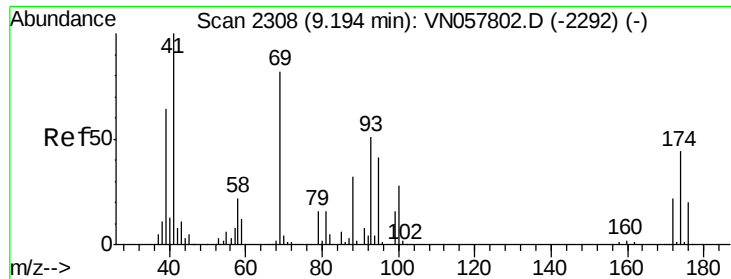
MMDadoda
9/16/2019 2:11:11 PM



#48
Methyl methacrylate
Concen: 19.430 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion:	41	Resp:	104212
Ion Ratio	Lower	Upper	
41	100		
69	79.8	62.7	94.1
39	67.5	52.7	79.1





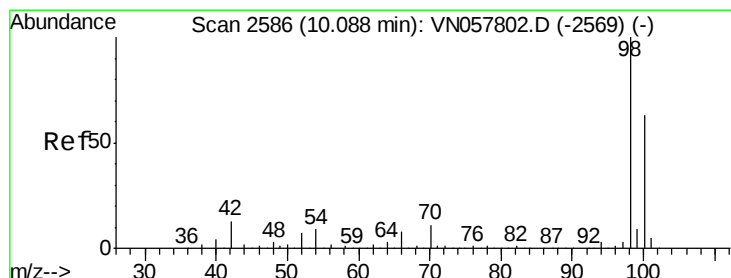
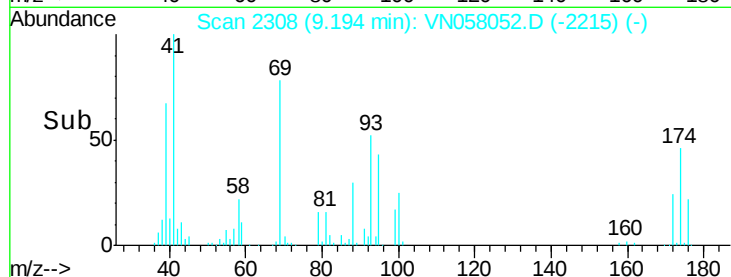
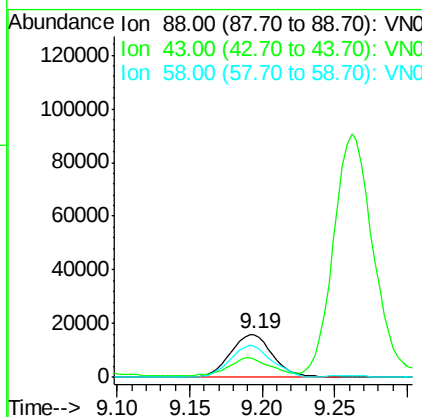
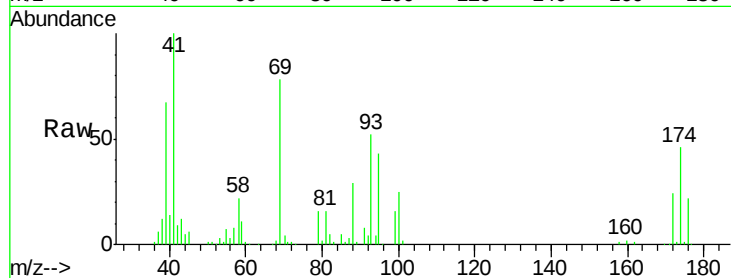
#49
 1,4-Dioxane
 Concen: 358.715 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS04

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.6	28.5	42.7
58	73.3	55.8	83.6

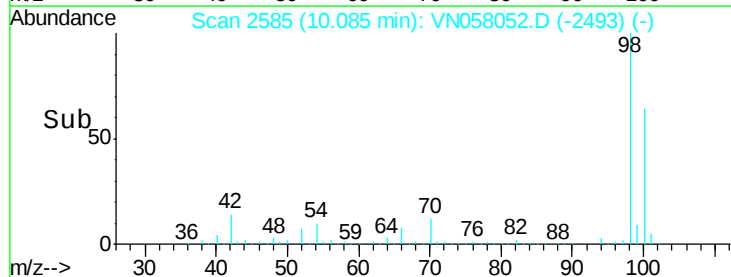
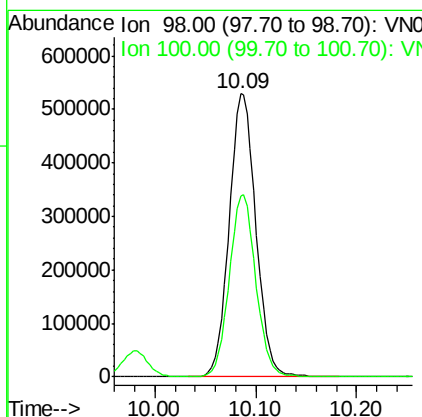
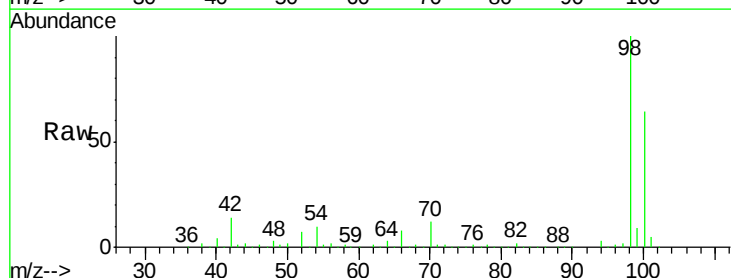
Manual Integrations
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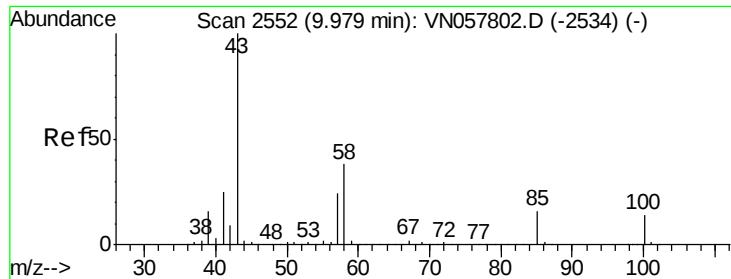
MMDadoda
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#50
 Toluene-d8
 Concen: 51.941 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 107.013 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS04

Tot Ion: 43 Resp: 669583

Ion Ratio Lower Upper

43 100

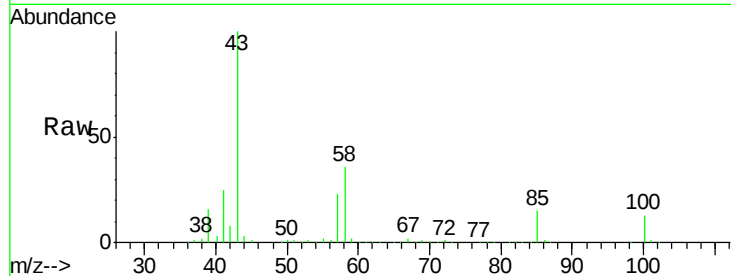
58 36.7 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

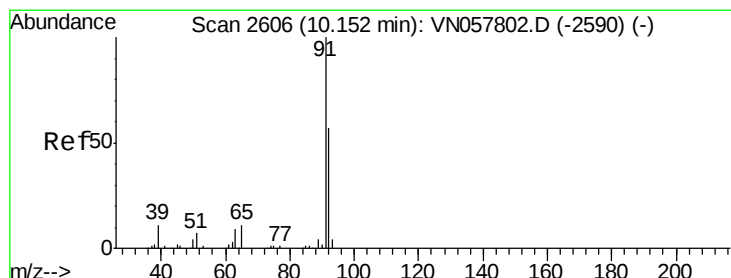
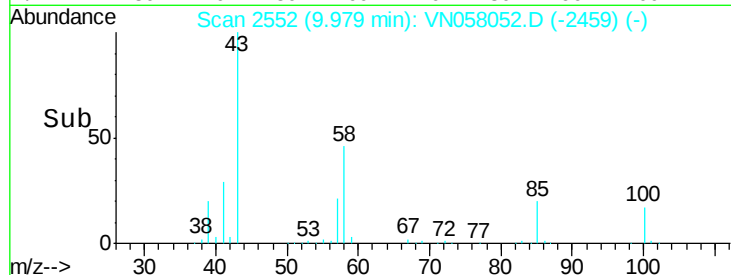
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.824 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058052.D

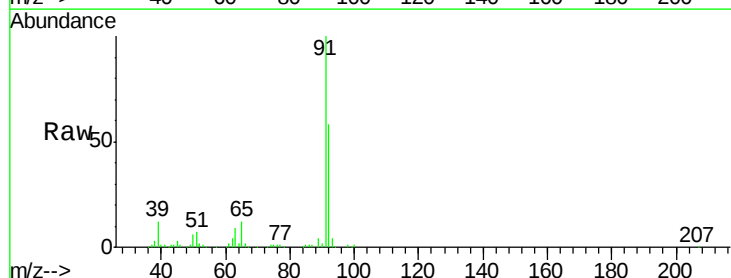
Acq: 14 Sep 2019 5:38

Tgt Ion: 92 Resp: 228758

Ion Ratio Lower Upper

92 100

91 177.1 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

250000

200000

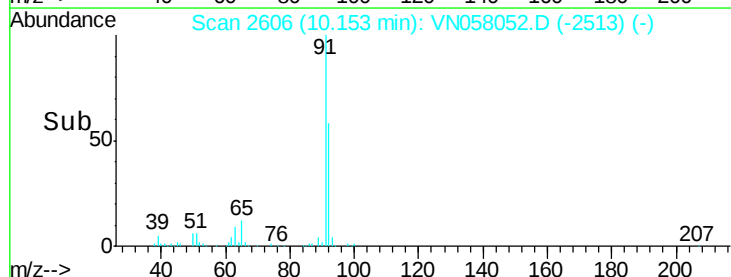
150000

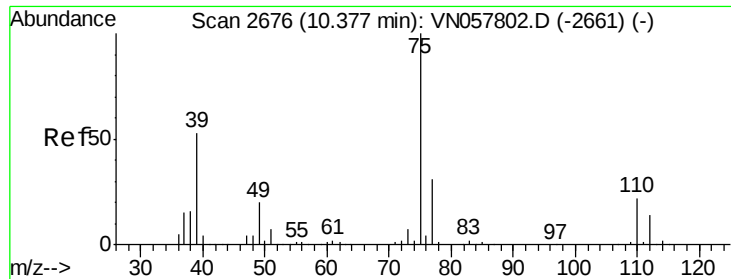
100000

50000

0

Time-->





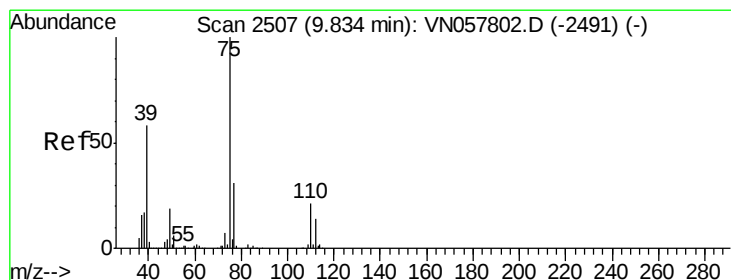
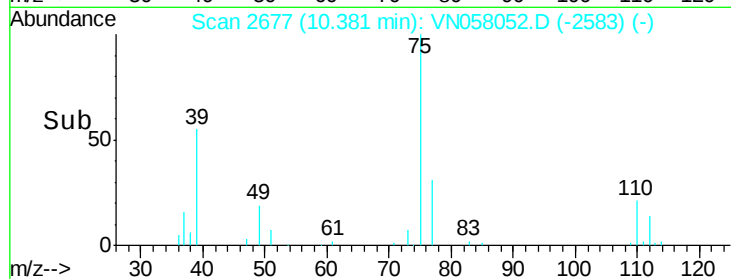
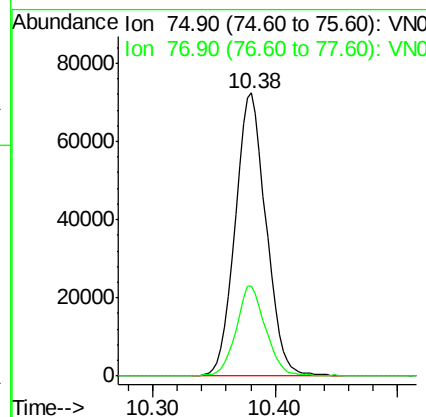
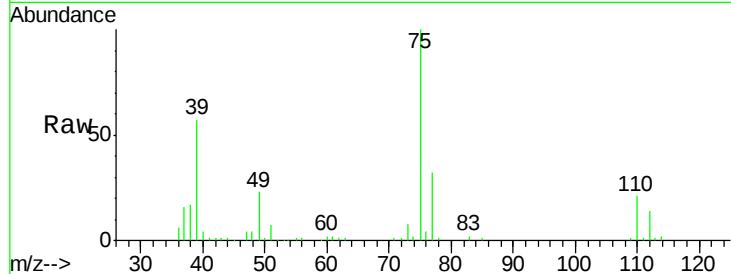
#53
 t-1,3-Dichloropropene
 Concen: 18.776 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS04

Tot Ion: 75 Resp: 127199
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.5 36.7

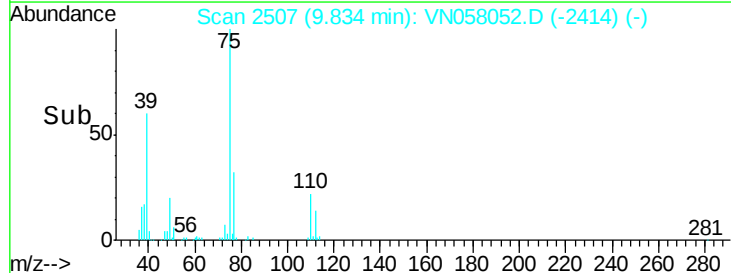
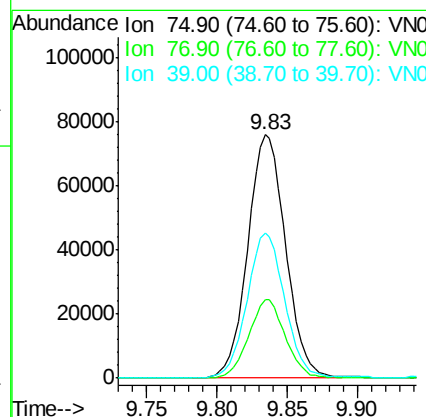
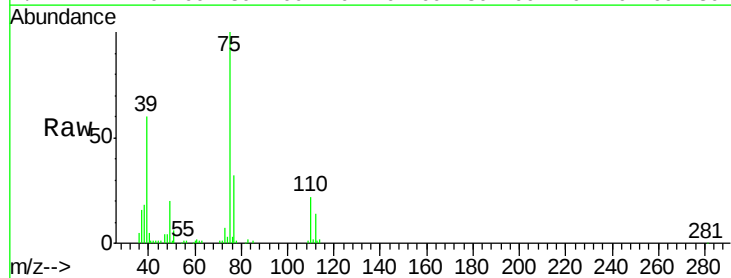
Manual Integrations
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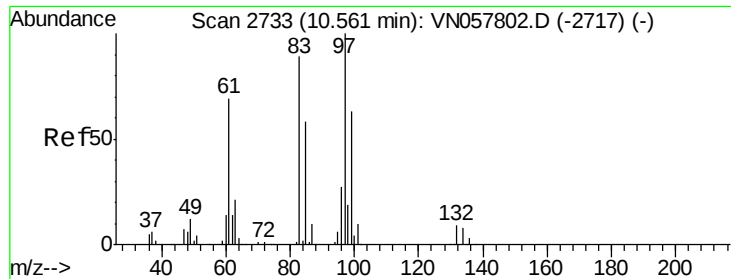
MMDadoda
 9/16/2019 2:11:11 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.090 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Tgt Ion: 75 Resp: 142781
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.8 37.2
 39 59.7 46.2 69.4





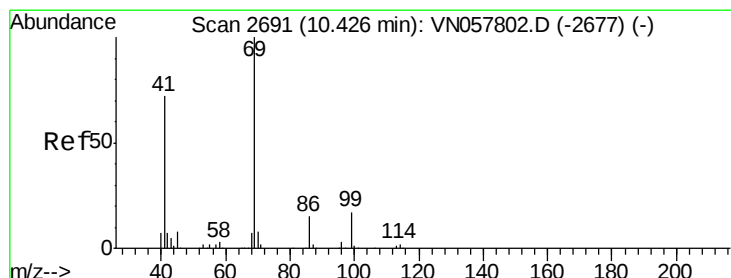
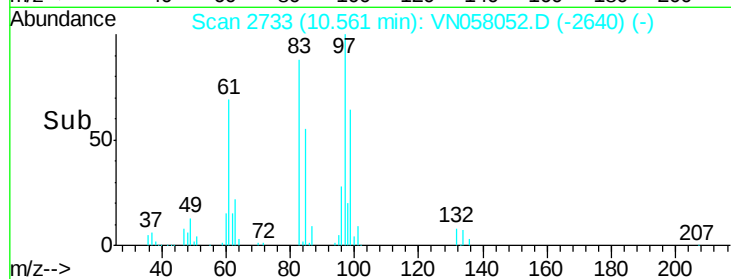
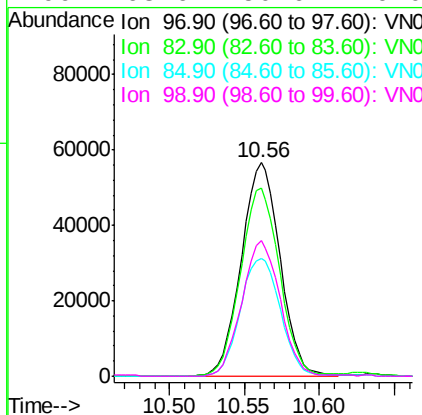
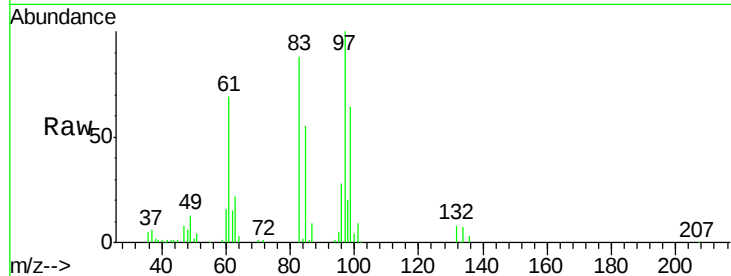
#55
 1,1,2-Trichloroethane
 Concen: 20.928 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS04

Tot Ion:	97	Resp:	102297
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.8	106.2
85	55.0	46.0	69.0
99	63.6	50.6	76.0

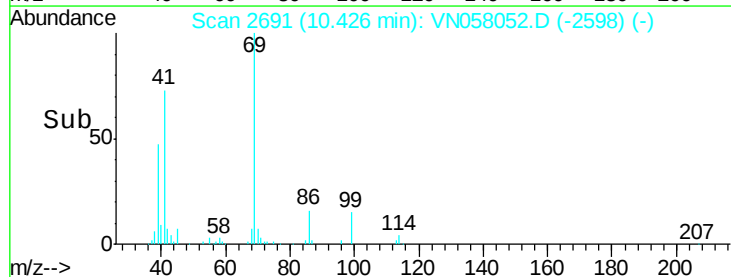
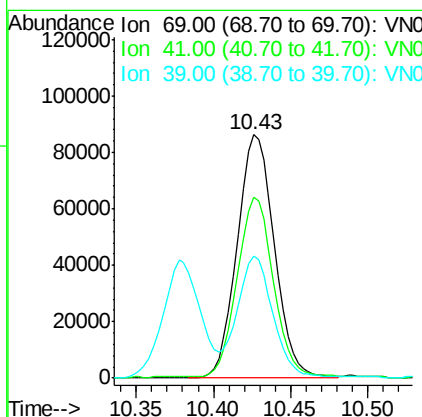
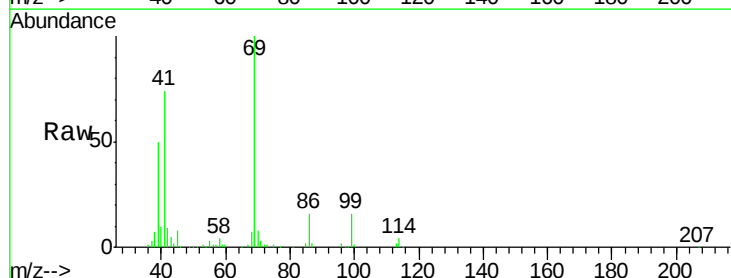
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 19.652 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Tgt Ion:	69	Resp:	144654
Ion	Ratio	Lower	Upper
69	100		
41	73.0	56.7	85.1
39	47.9	36.3	54.5





#57

1,3-Dichloropropane

Concen: 20.764 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS04

Tot Ion: 76 Resp: 174911

Ion Ratio Lower Upper

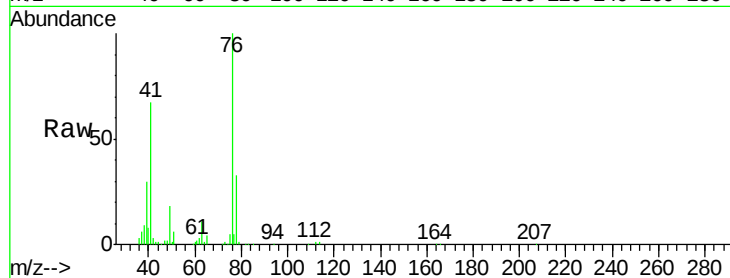
76 100

78 32.6 25.4 38.2

Manual Integrations
APPROVED

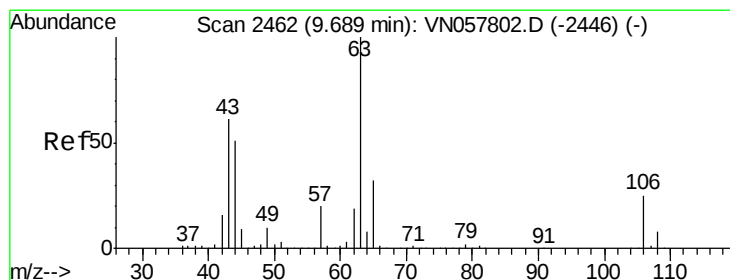
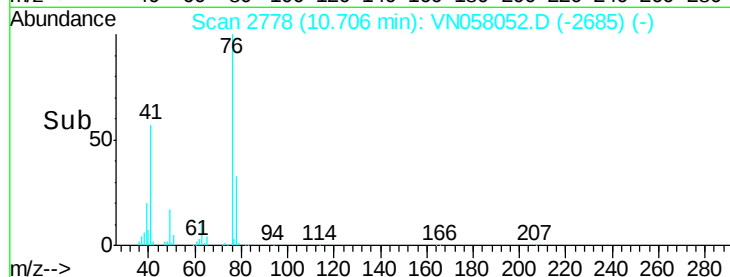
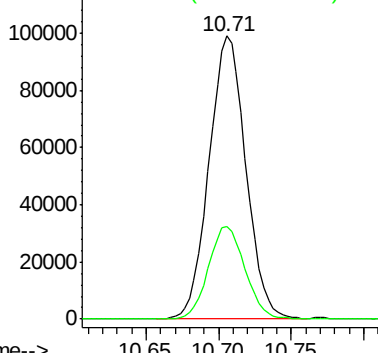
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 91.058 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058052.D

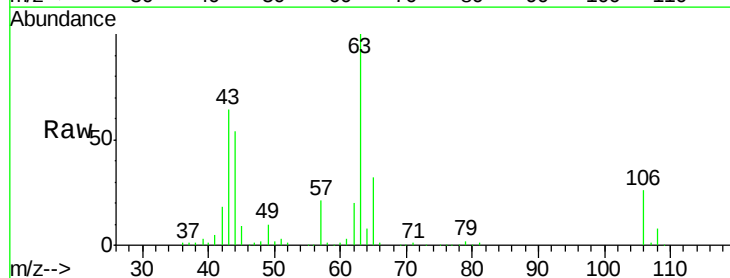
Acq: 14 Sep 2019 5:38

Tgt Ion: 63 Resp: 315684

Ion Ratio Lower Upper

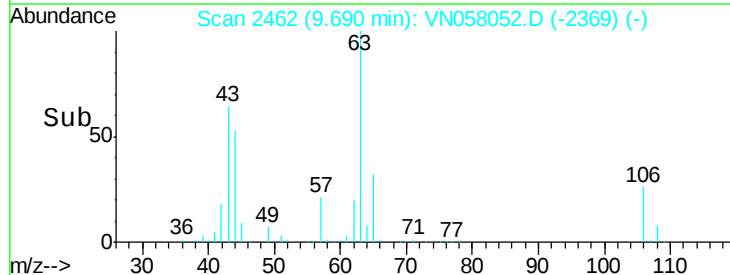
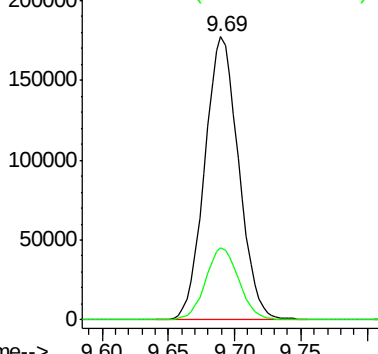
63 100

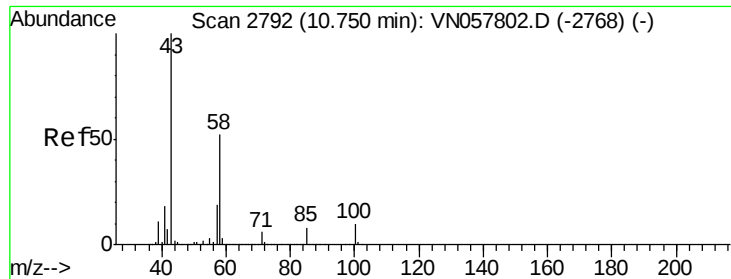
106 25.0 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





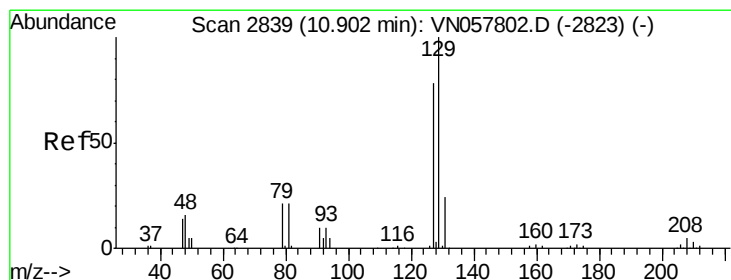
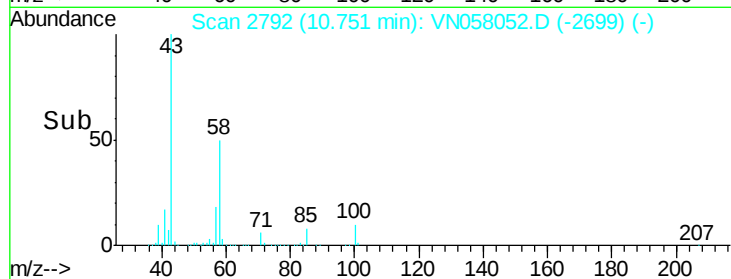
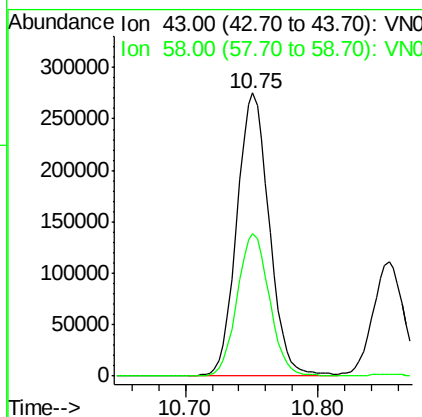
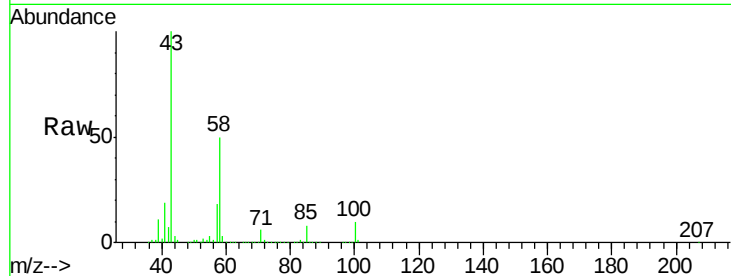
#59
2-Hexanone
Concen: 99.011 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS04

Tot Ion: 43 Resp: 464350
Ion Ratio Lower Upper
43 100
58 50.6 25.6 76.8

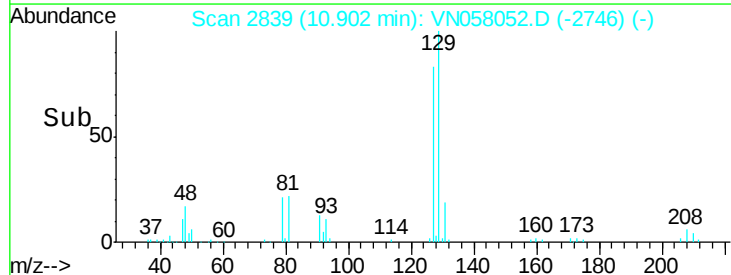
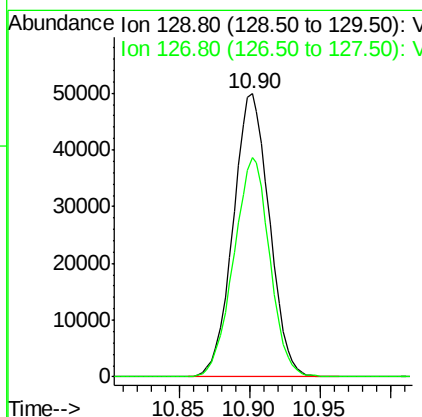
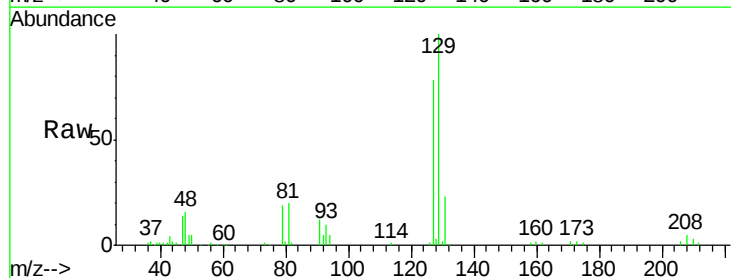
Manual Integrations
APPROVED

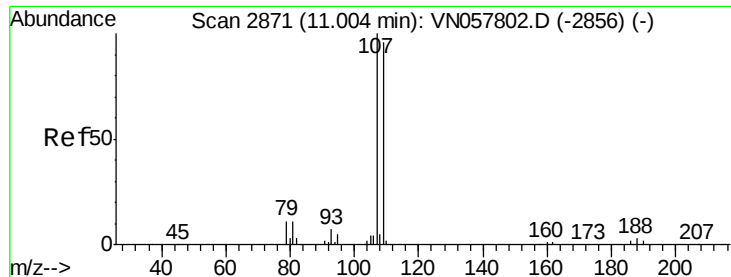
MMDadoda
9/16/2019 2:11:11 PM



#60
Dibromochloromethane
Concen: 19.785 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion: 129 Resp: 89802
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.177 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS04

Tot Ion:107 Resp: 93241

Ion Ratio Lower Upper

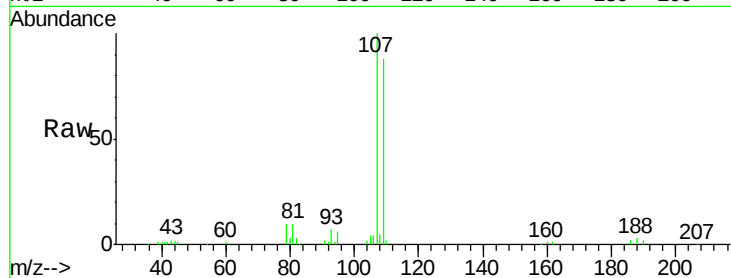
107 100

109 91.1 75.3 112.9

Manual Integrations
APPROVED

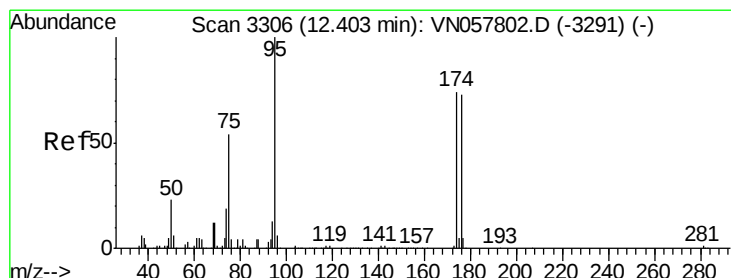
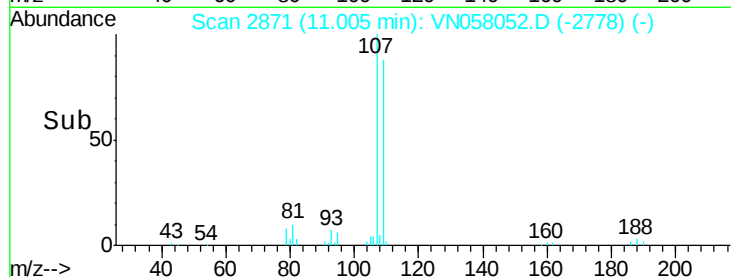
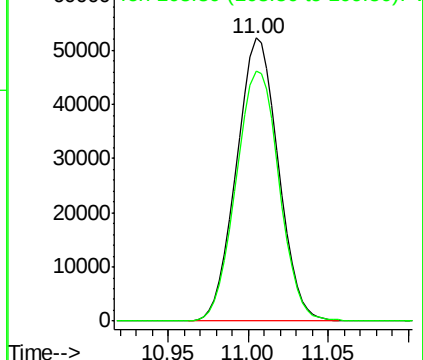
MMDadoda

9/16/2019 2:11:11 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.542 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

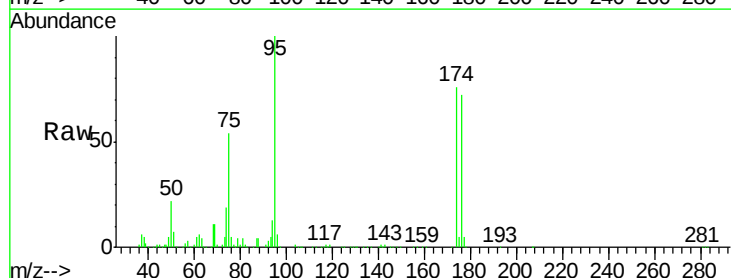
Tgt Ion: 95 Resp: 340671

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.2

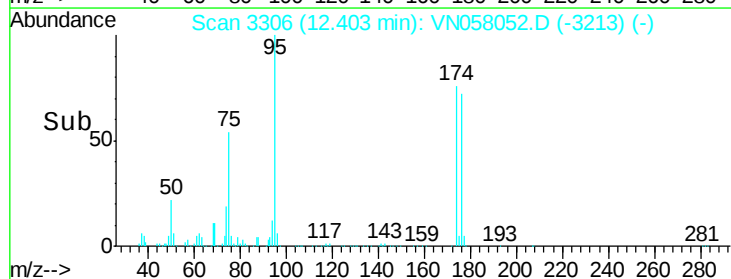
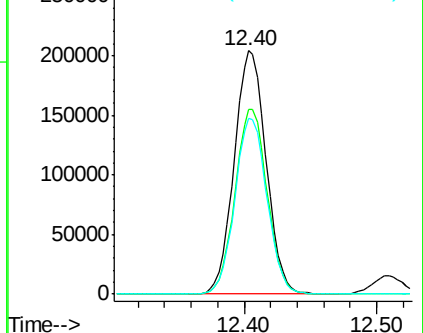
176 72.6 0.0 146.0

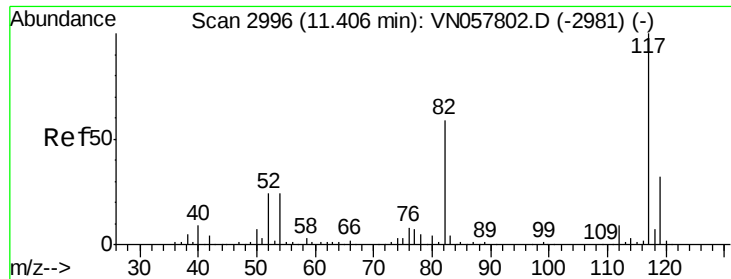


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





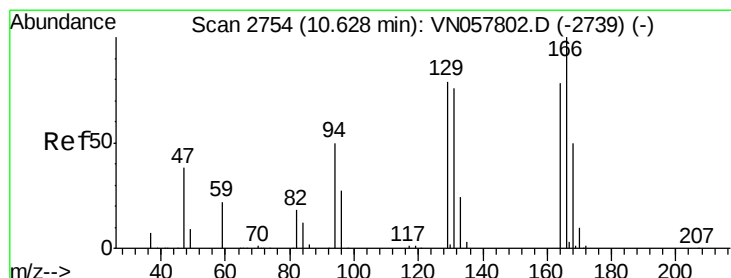
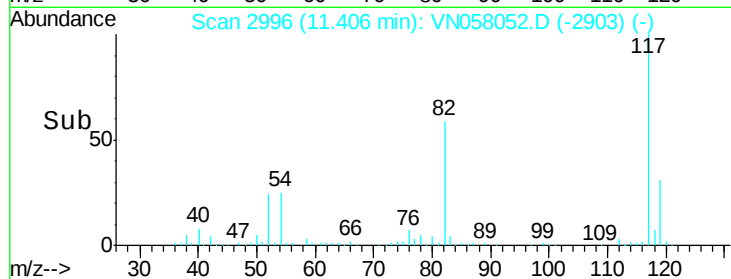
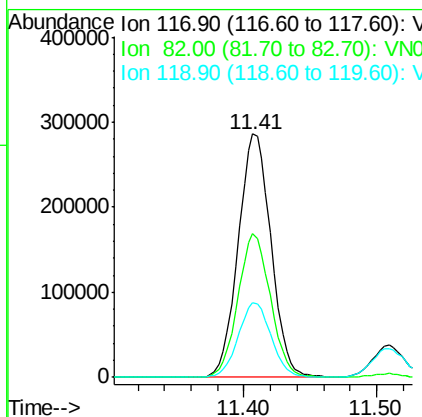
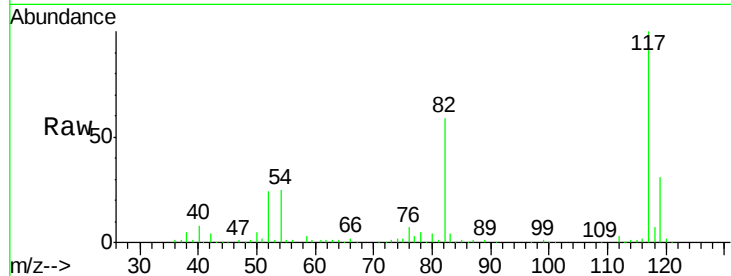
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS04

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.2	70.8
119	30.7	25.3	37.9

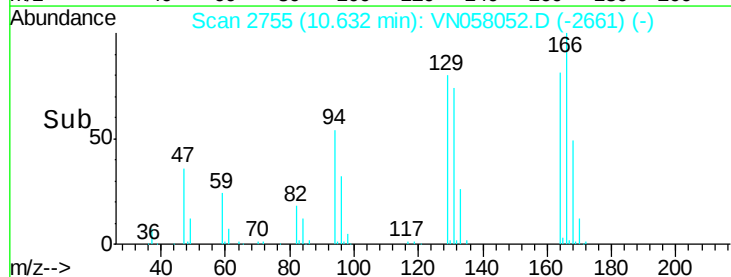
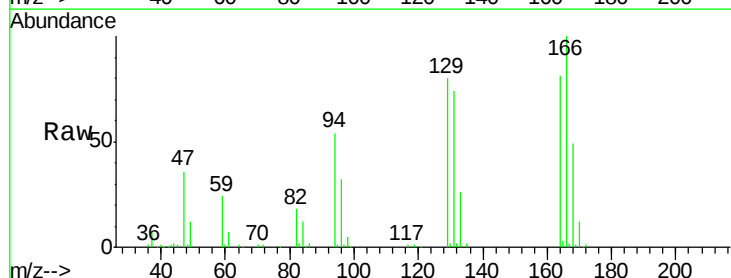
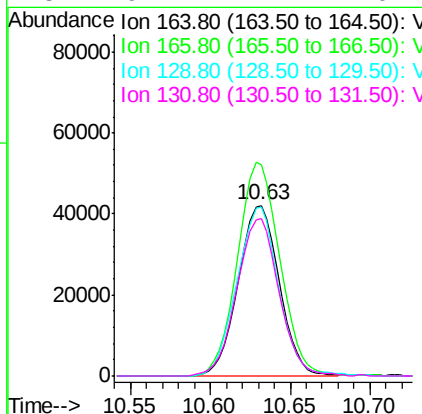
Manual Integrations
APPROVED

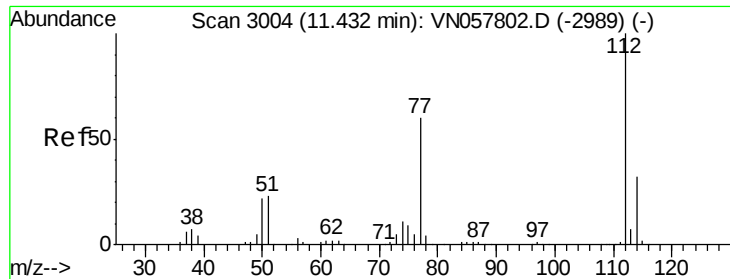
MMDadoda
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#64
Tetrachloroethene
Concen: 20.262 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	102.2	153.2
129	99.1	80.8	121.2
131	92.1	77.4	116.2





#65

Chlorobenzene

Concen: 20.044 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS04

Tot Ion:112 Resp: 257906

Ion Ratio Lower Upper

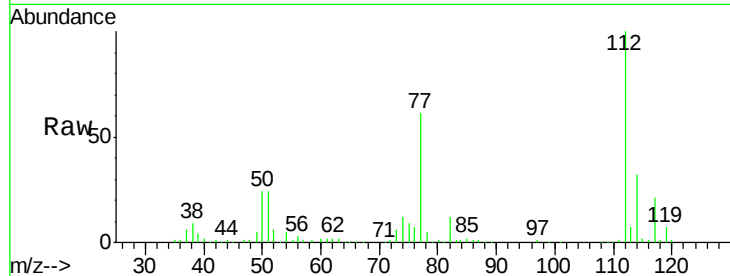
112 100

114 32.4 25.2 37.8

Manual Integrations
APPROVED

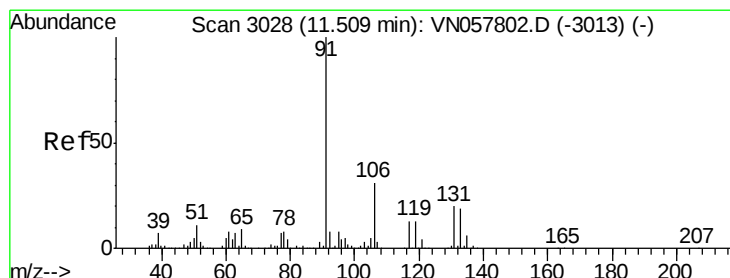
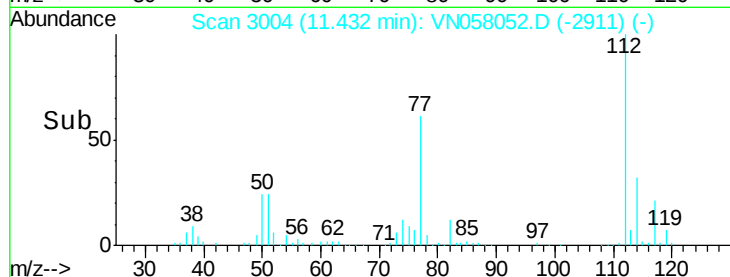
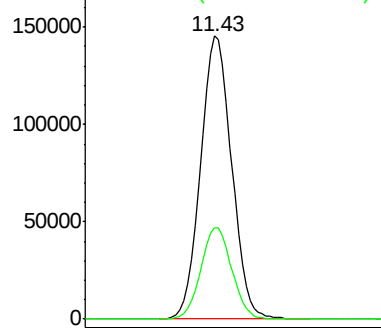
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.390 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

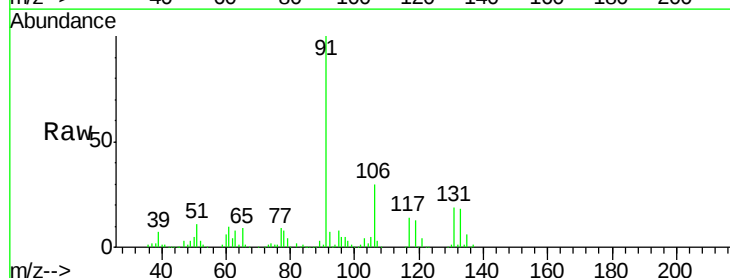
Tgt Ion:131 Resp: 91034

Ion Ratio Lower Upper

131 100

133 94.6 47.1 141.3

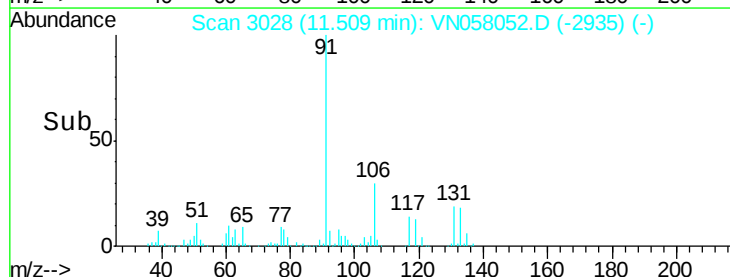
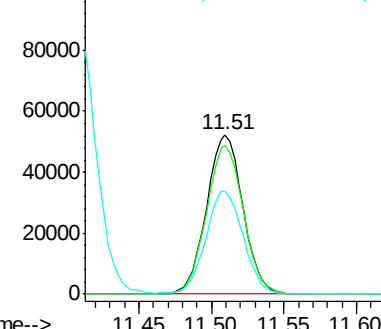
119 66.6 33.3 99.8

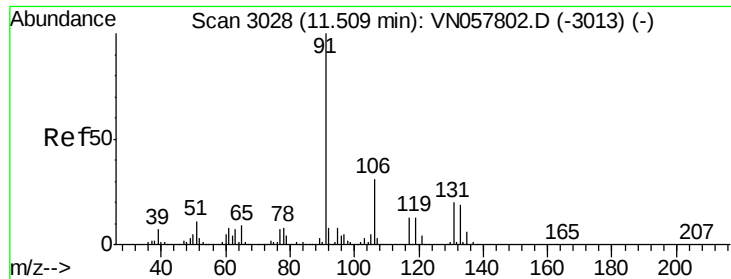


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





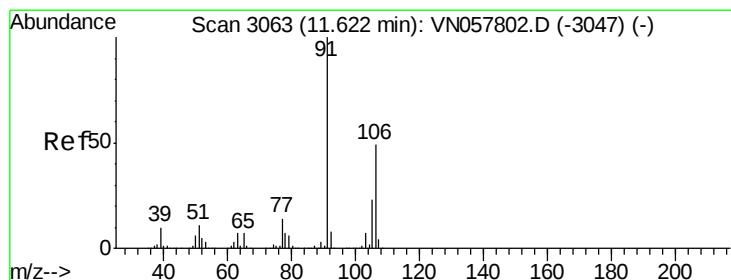
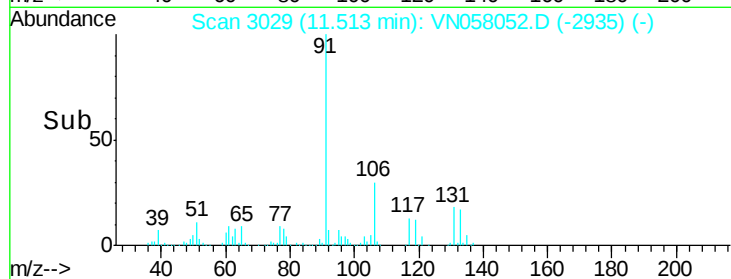
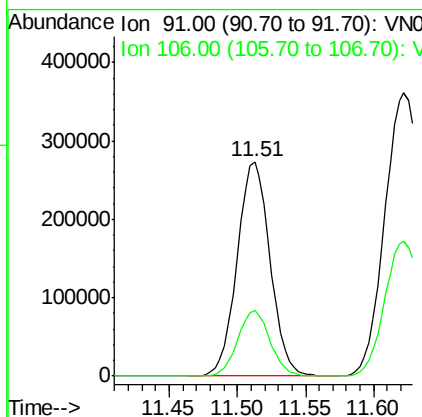
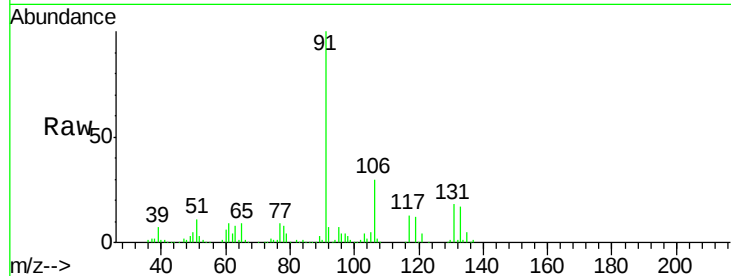
#67
Ethyl Benzene
Concen: 20.341 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS04

Tot Ion: 91 Resp: 458688
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6

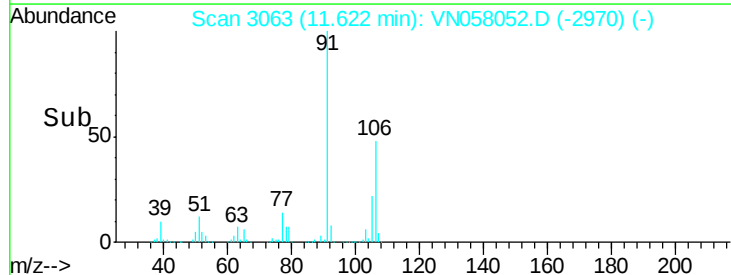
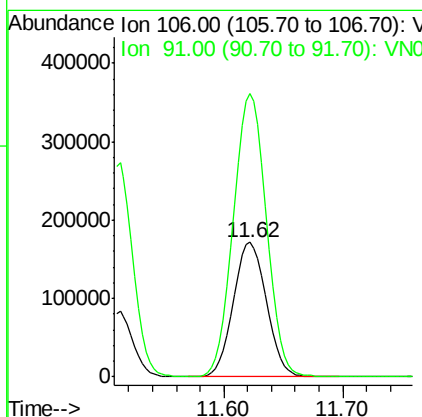
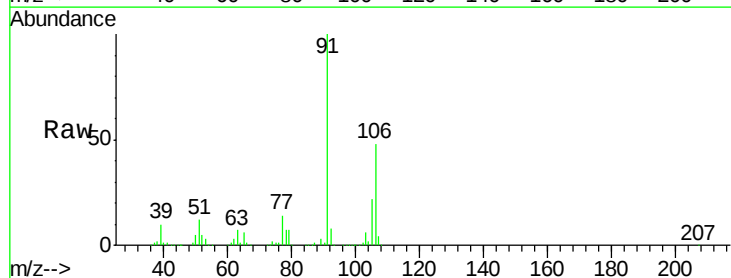
Manual Integrations
APPROVED

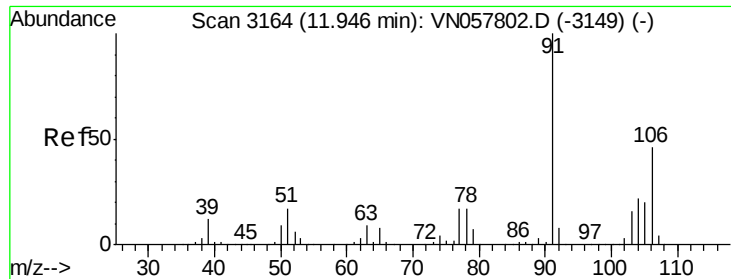
MMDadoda
9/16/2019 2:11:11 PM



#68
m/p-Xylenes
Concen: 40.062 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion: 106 Resp: 330913
Ion Ratio Lower Upper
106 100
91 209.4 165.8 248.6





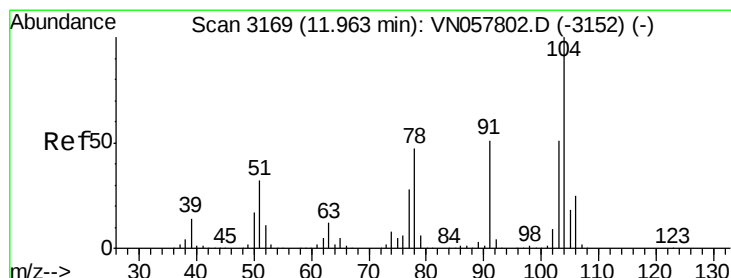
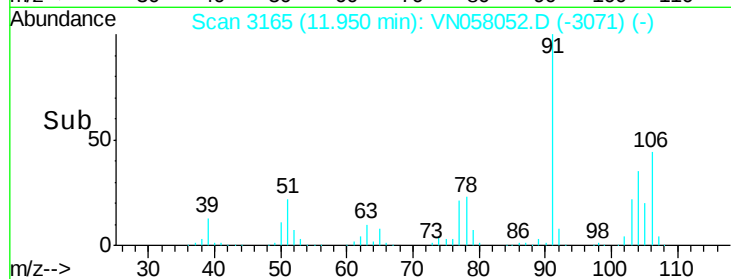
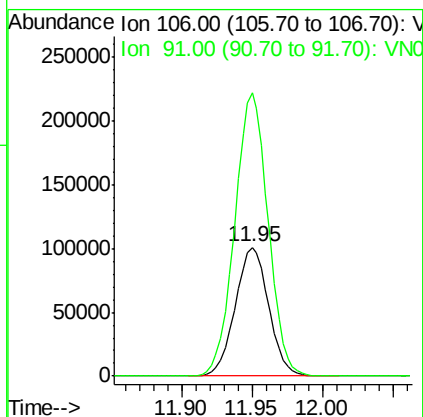
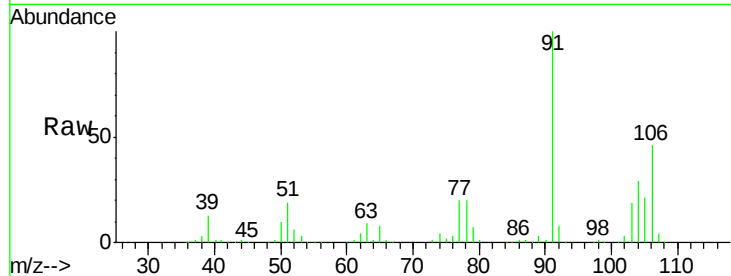
#69
o-Xylene
Concen: 20.466 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampled :
VN0914WBS04

Tot Ion:106 Resp: 168058
Ion Ratio Lower Upper
106 100
91 218.9 108.7 326.1

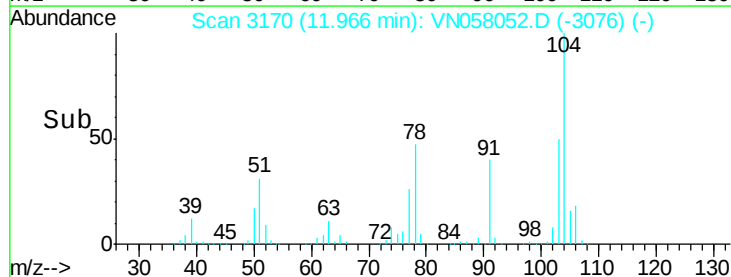
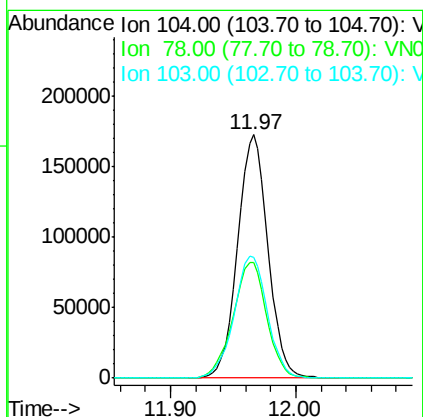
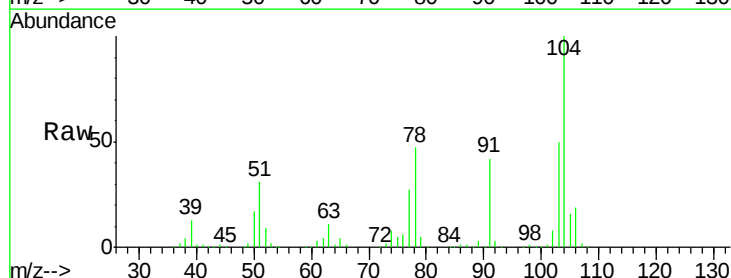
Manual Integrations
APPROVED

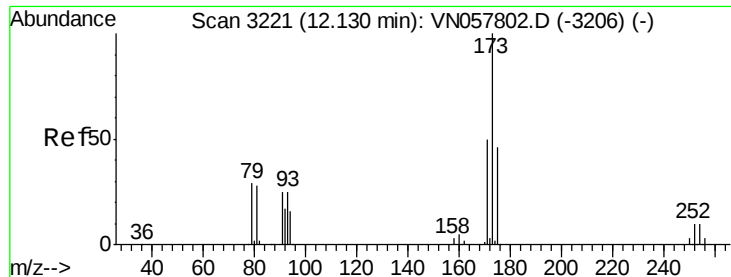
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9/16/2019 2:11:11 PM



#70
Styrene
Concen: 20.489 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion:104 Resp: 289559
Ion Ratio Lower Upper
104 100
78 53.0 41.3 61.9
103 55.1 43.7 65.5





#71

Bromoform

Concen: 18.522 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

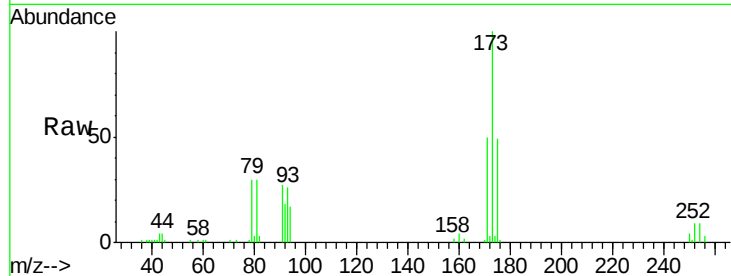
ClientSampleId :

VN0914WBS04

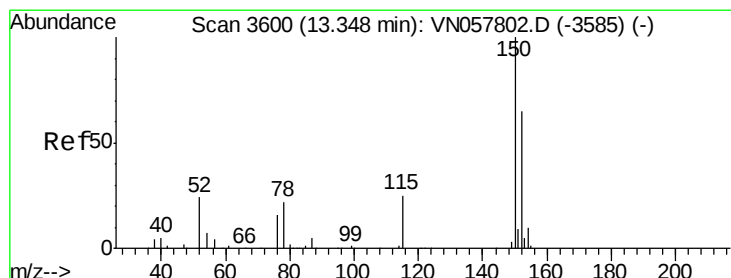
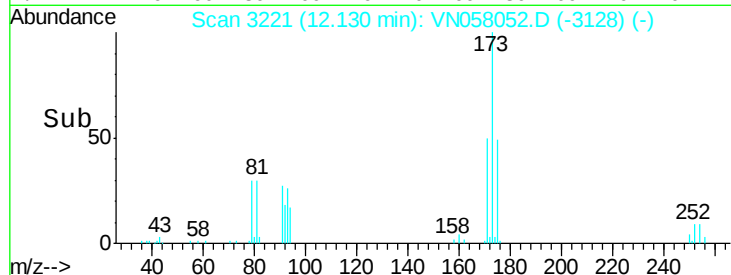
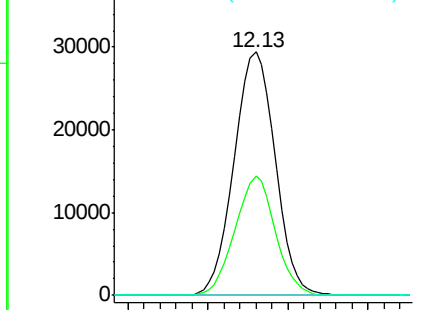
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

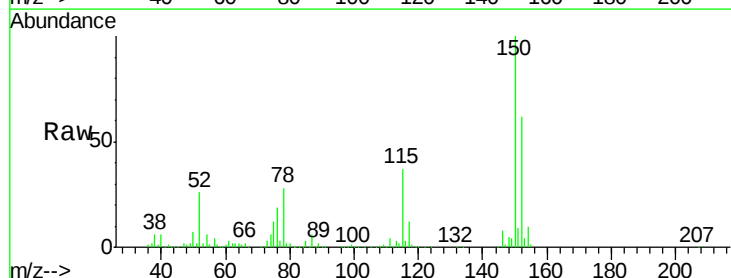
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

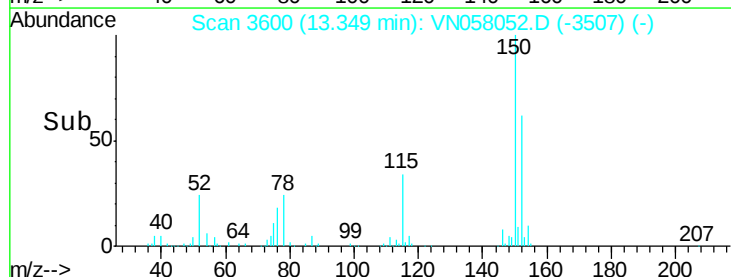
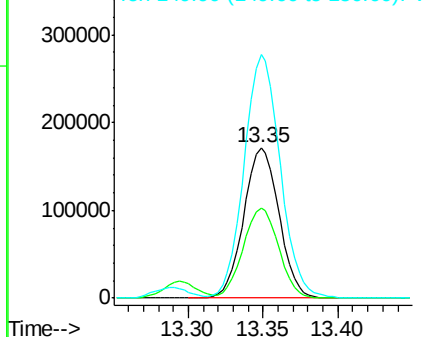
Lab File: VN058052.D

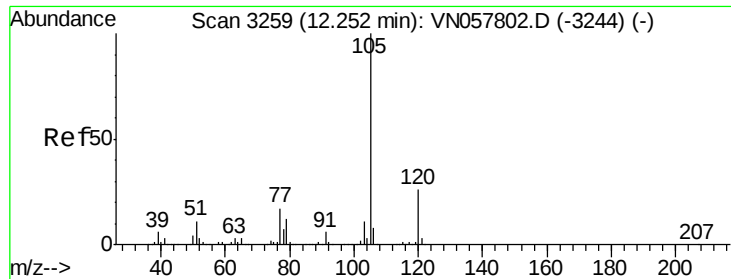
Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.3	91.0
150	165.7	0.0	352.4



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





#73

Isopropylbenzene

Concen: 21.366 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS04

Tot Ion: 105 Resp: 466825

Ion Ratio Lower Upper

105 100

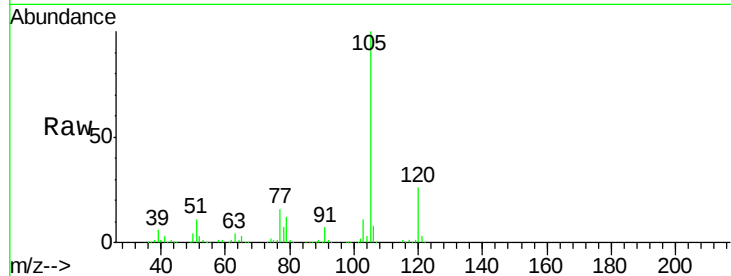
120 26.2 12.8 38.4

Manual Integrations

APPROVED

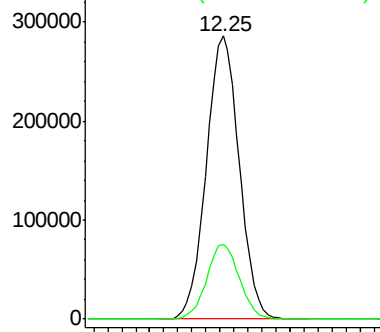
MMDadoda

9/16/2019 2:11:11 PM

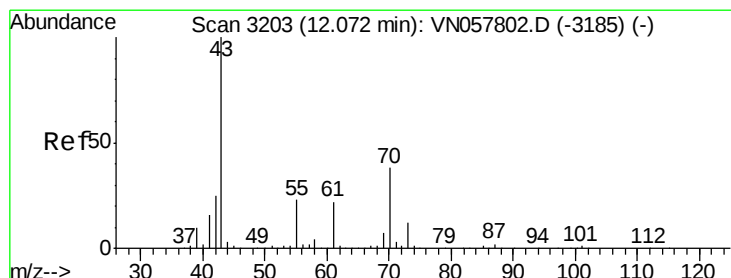
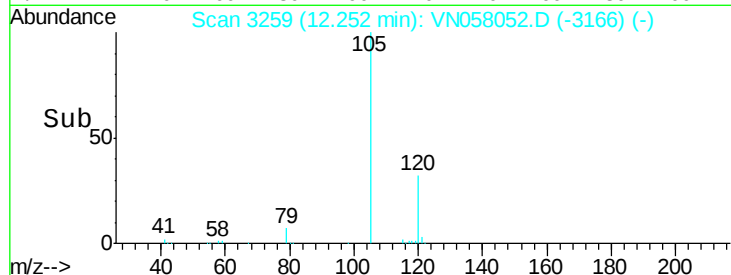


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 19.491 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Tgt Ion: 43 Resp: 185332

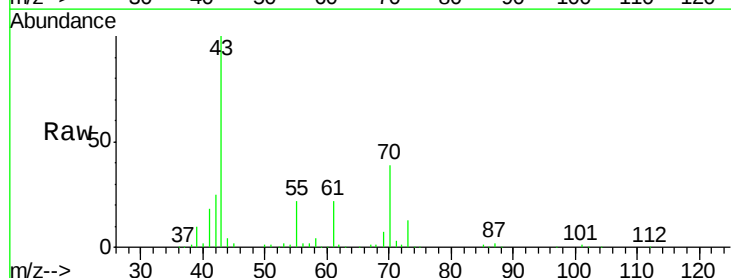
Ion Ratio Lower Upper

43 100

70 39.2 30.6 45.8

55 23.7 18.6 27.8

61 22.2 17.4 26.2

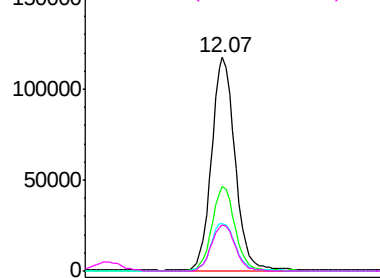


Abundance Ion 43.00 (42.70 to 43.70): V

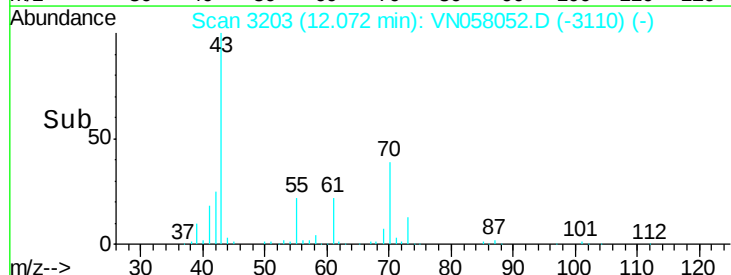
Ion 70.00 (69.70 to 70.70): V

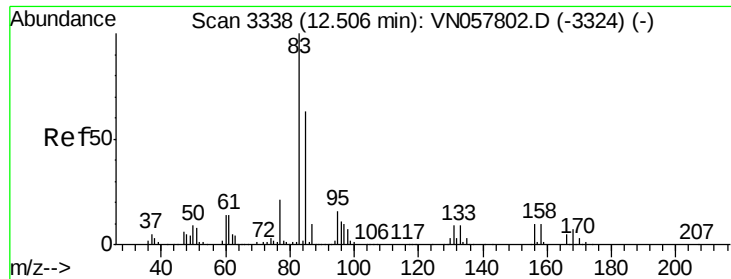
Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.635 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

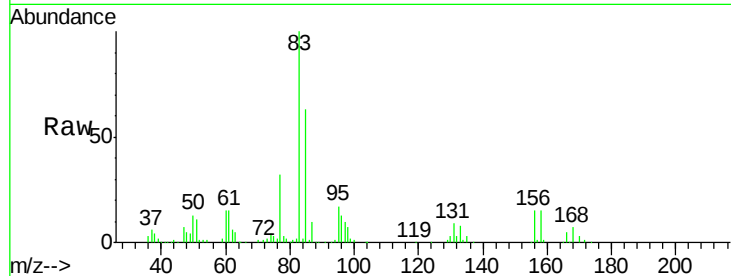
ClientSampleId :

VN0914WBS04

Tot Ion:	83	Resp:	151804
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	62.5	31.6	94.7

Manual Integrations
APPROVED

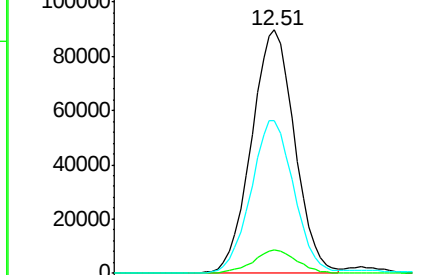
MMDadoda
9/16/2019 2:11:11 PM



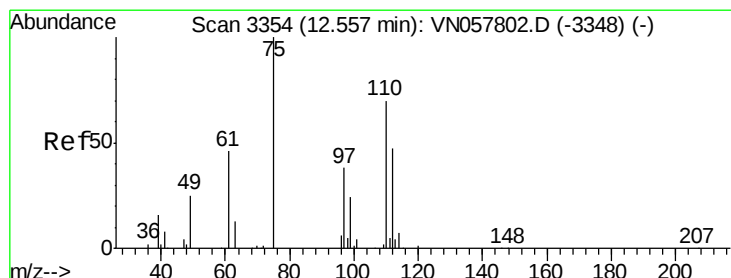
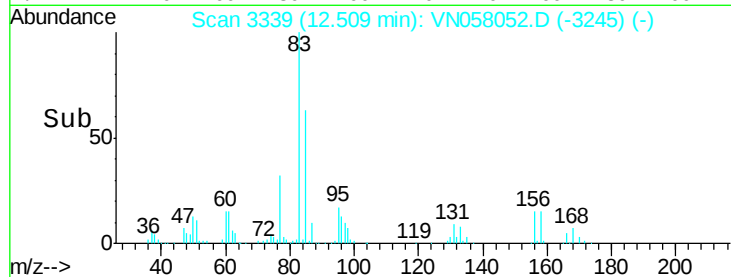
Abundance Ion 82.90 (82.60 to 83.60): VN058052.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058052.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058052.D (-3245) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 19.910 ug/l m

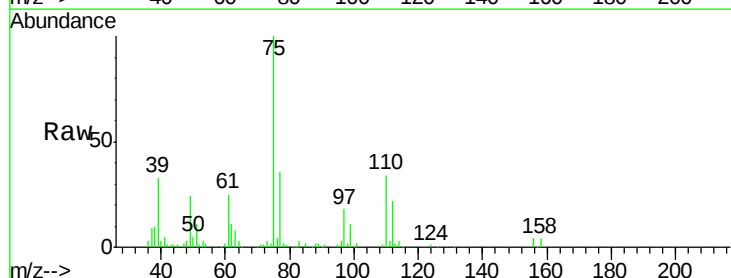
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058052.D

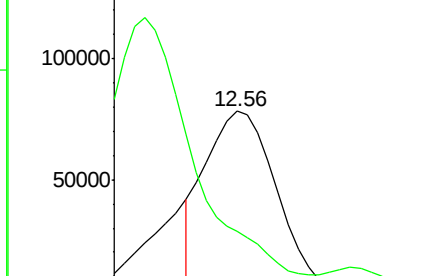
Acq: 14 Sep 2019 5:38

Tgt Ion:	75	Resp:	126817
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

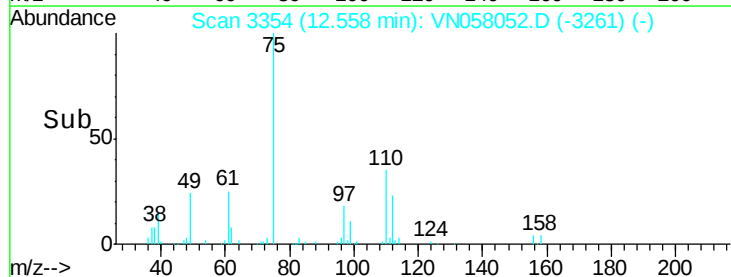


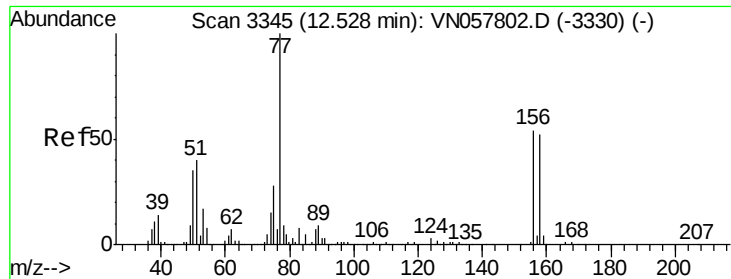
Abundance Ion 74.90 (74.60 to 75.60): VN058052.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058052.D (-3261) (-)



Time-->





#77

Bromobenzene

Concen: 20.203 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

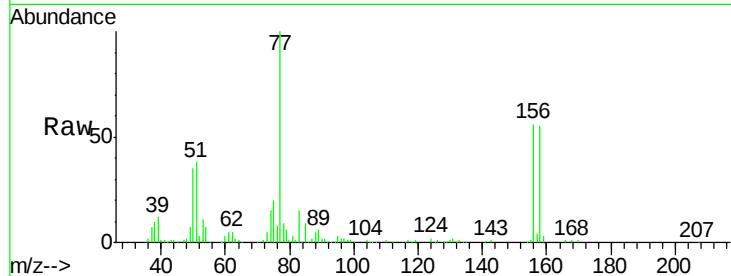
ClientSampleId :

VN0914WBS04

Tot Ion:	156	Resp:	110051
Ion Ratio	Lower	Upper	
156	100		
77	220.1	113.7	341.1
158	95.9	48.5	145.6

Manual Integrations
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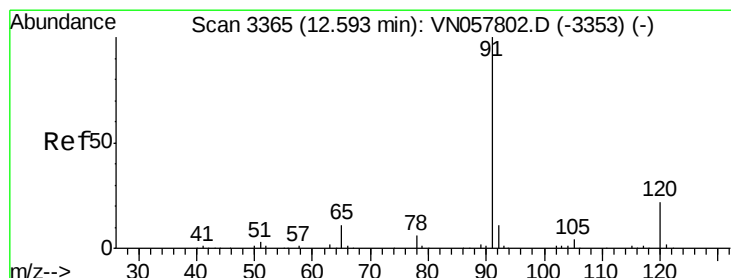
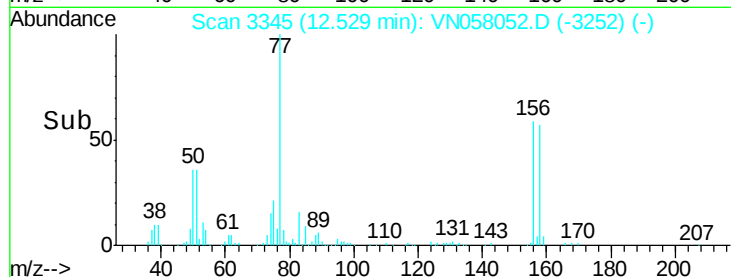
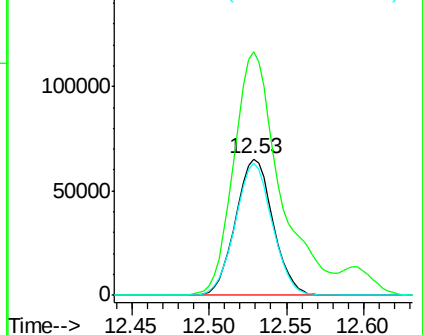
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.260 ug/l

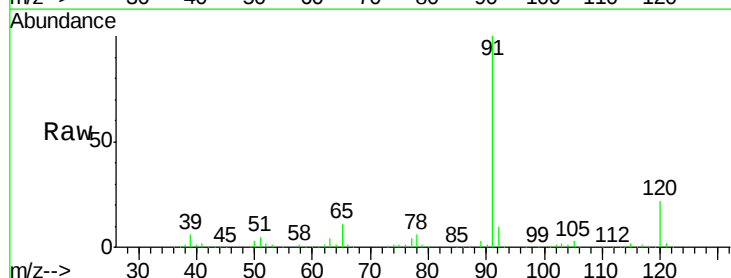
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058052.D

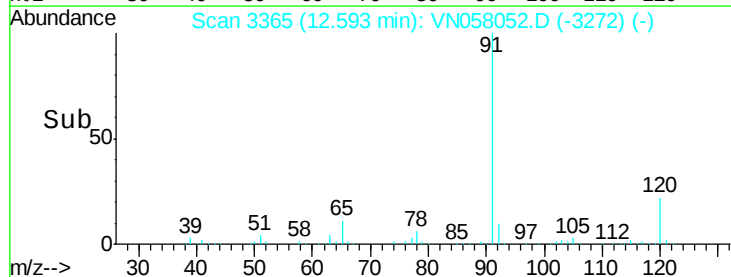
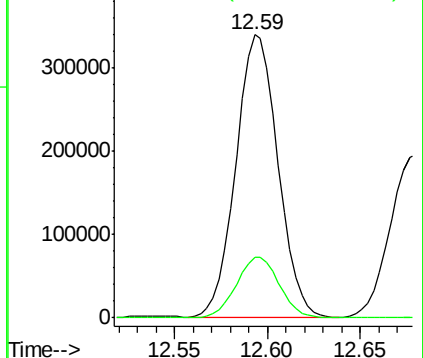
Acq: 14 Sep 2019 5:38

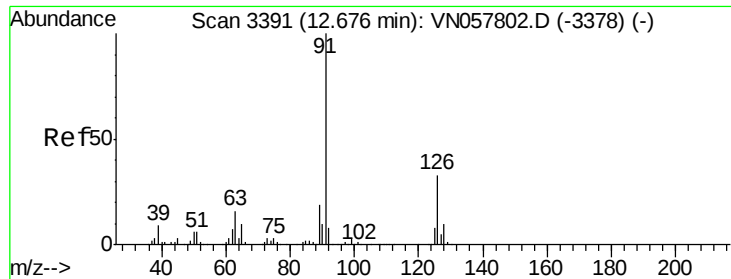
Tgt Ion:	91	Resp:	533406
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.430 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS04

Tot Ion: 91 Resp: 323958

Ion Ratio Lower Upper

91 100

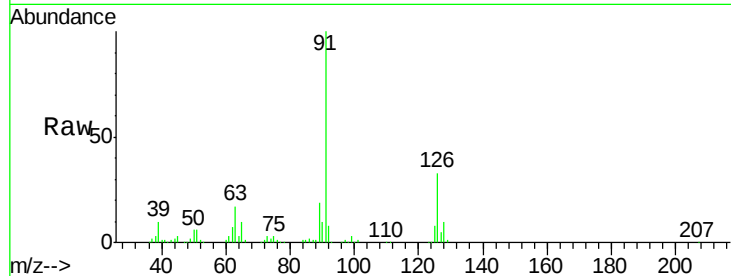
126 32.5 16.4 49.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057802.D (-3378) (-)

250000

200000

150000

100000

50000

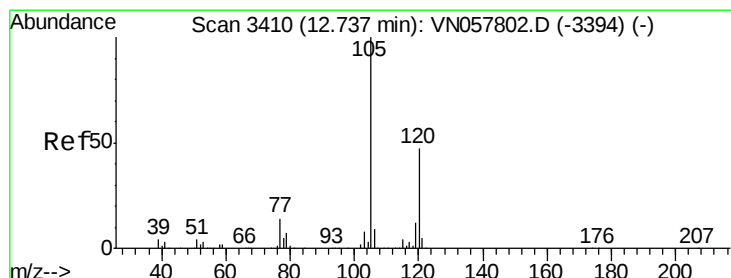
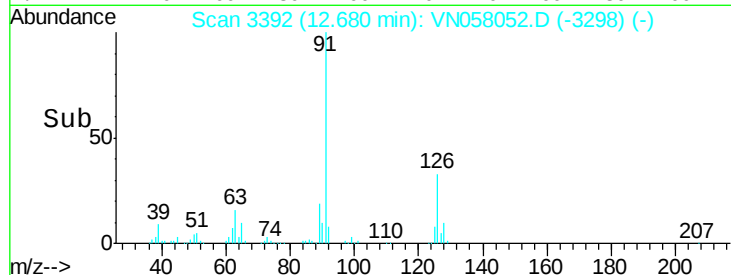
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.273 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058052.D

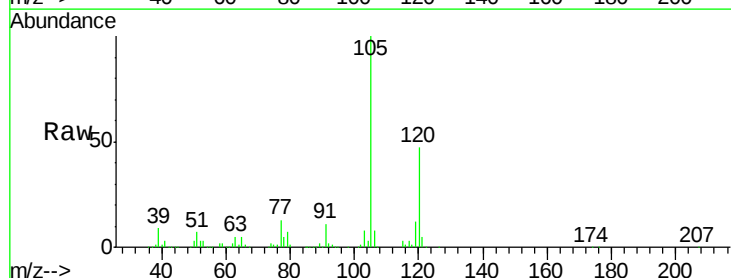
Acq: 14 Sep 2019 5:38

Tgt Ion: 105 Resp: 392713

Ion Ratio Lower Upper

105 100

120 47.1 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN057802.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN057802.D (-3394) (-)

250000

200000

150000

100000

50000

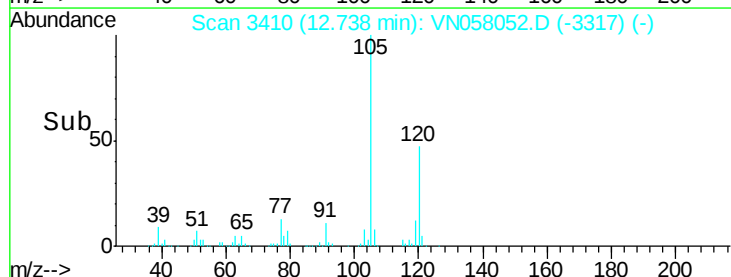
0

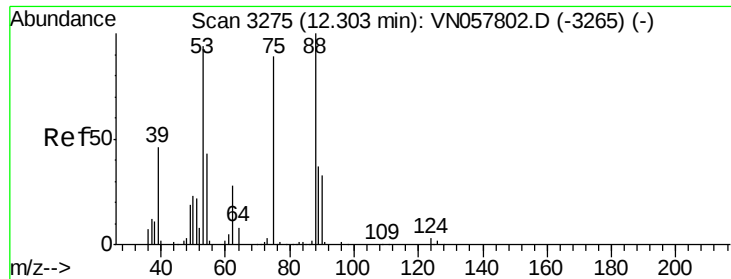
12.70

12.74

12.80

Time-->





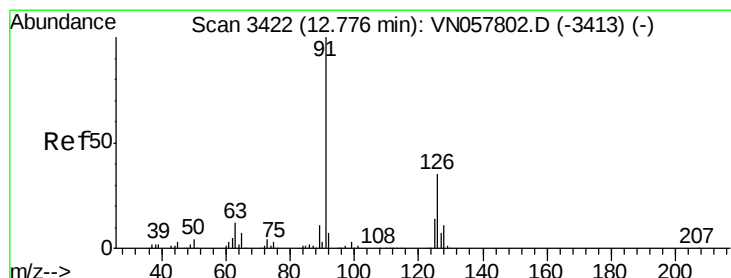
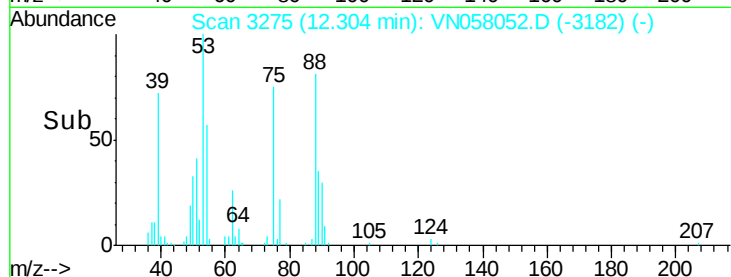
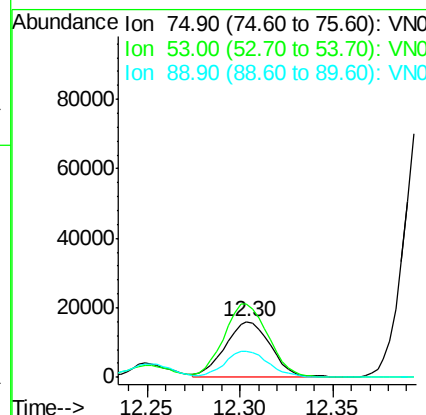
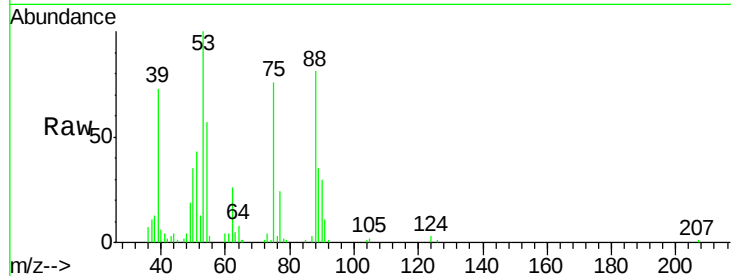
#81
trans-1,4-Dichloro-2-butene
Concen: 15.078 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS04

Tot Ion	Ratio	Lower	Upper
75	100		
53	128.2	88.4	132.6
89	45.4	35.3	52.9

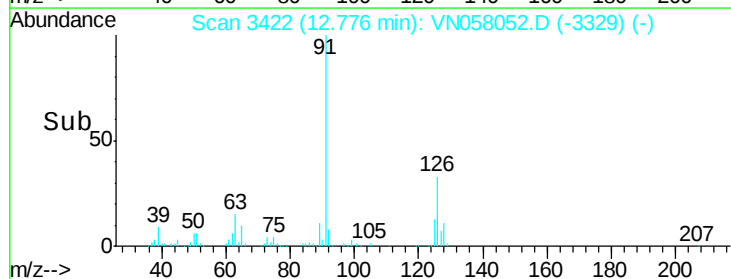
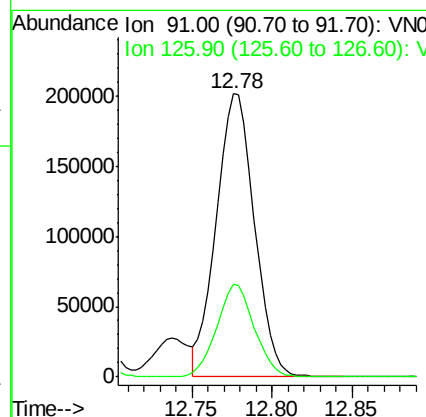
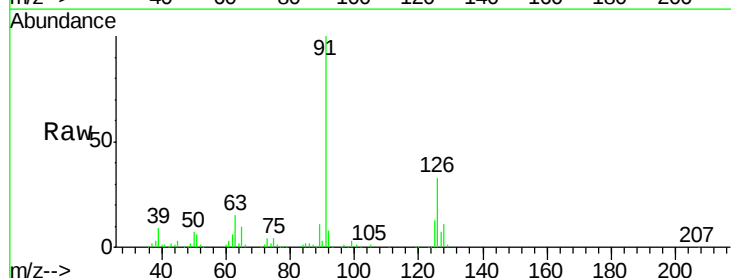
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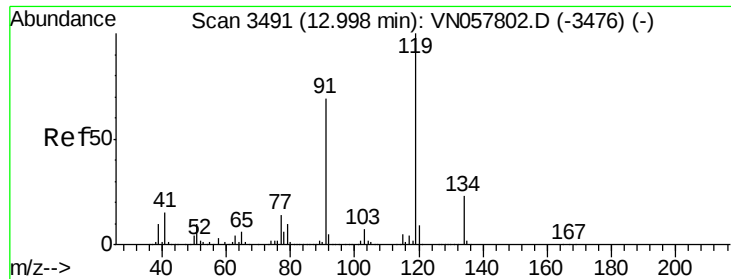
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#82
4-Chlorotoluene
Concen: 20.265 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.0	48.0





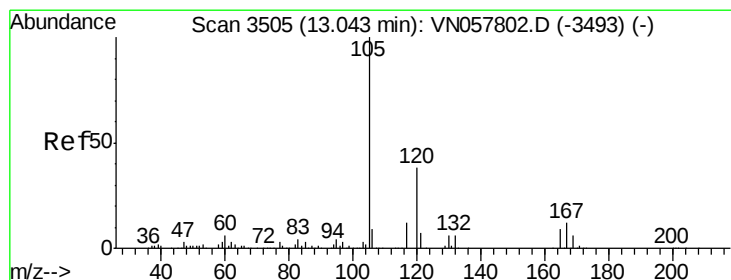
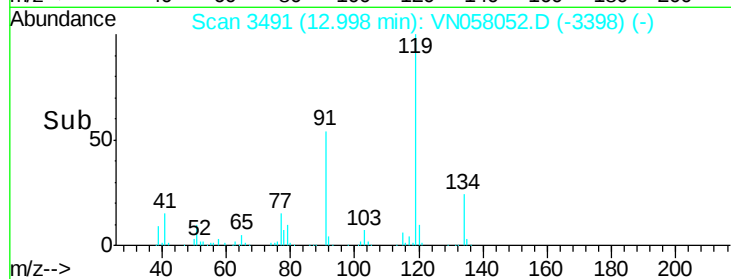
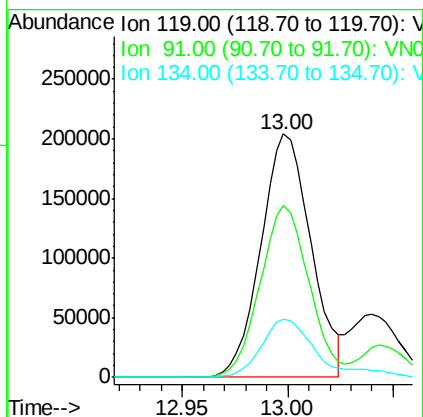
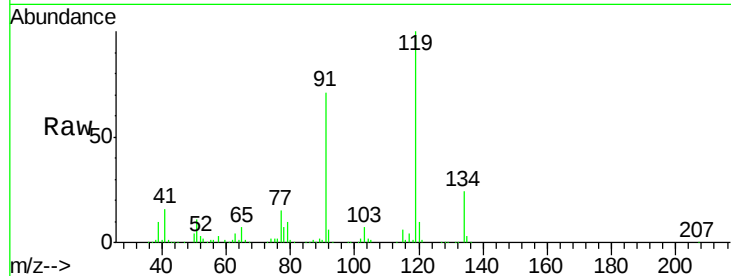
#83
tert-Butylbenzene
Concen: 20.511 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS04

Tot Ion	Ratio	Resp	Lower	Upper
119	100	336589		
91	69.3	33.6	100.8	
134	24.5	11.7	35.0	

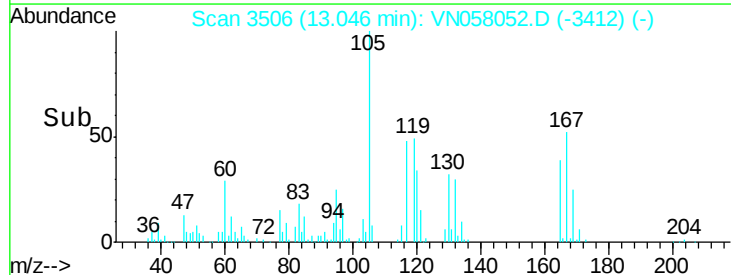
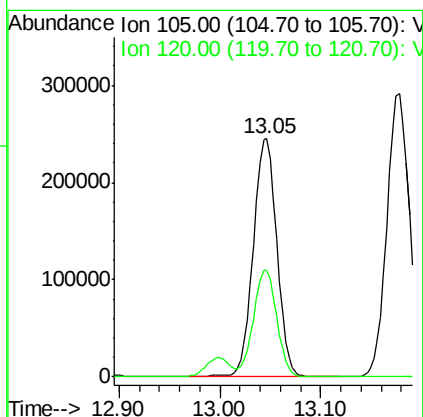
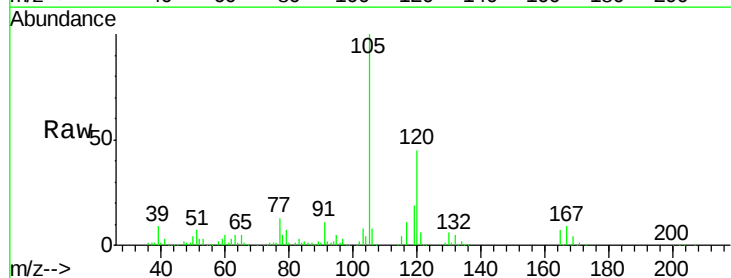
Manual Integrations
APPROVED

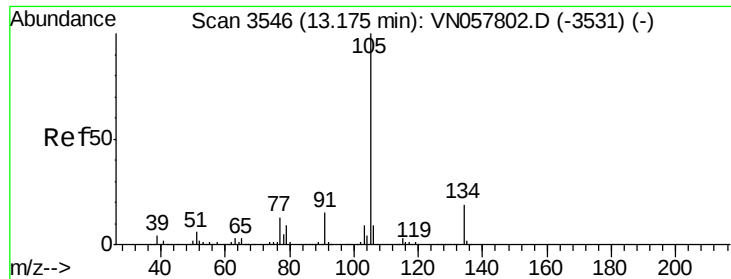
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#84
1,2,4-Trimethylbenzene
Concen: 21.082 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058052.D
Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	395551		
120	44.2	22.4	67.2	





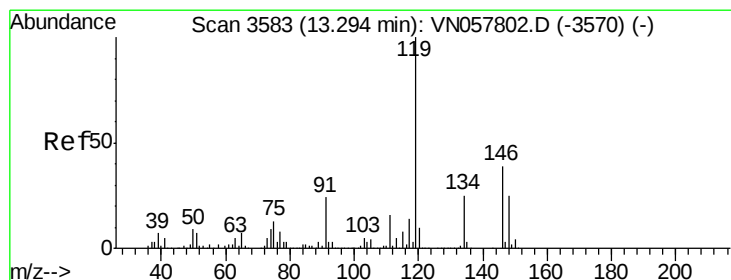
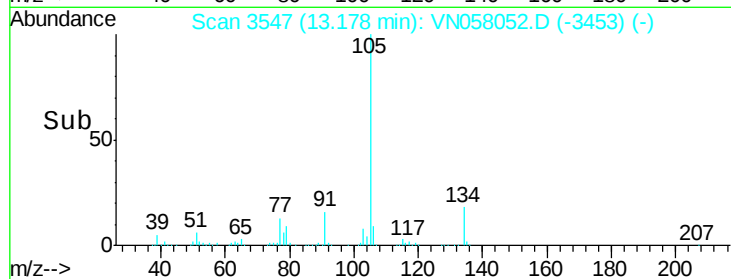
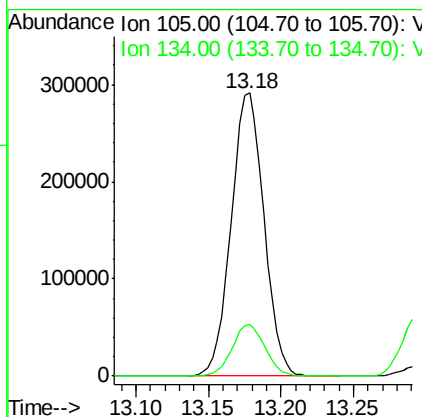
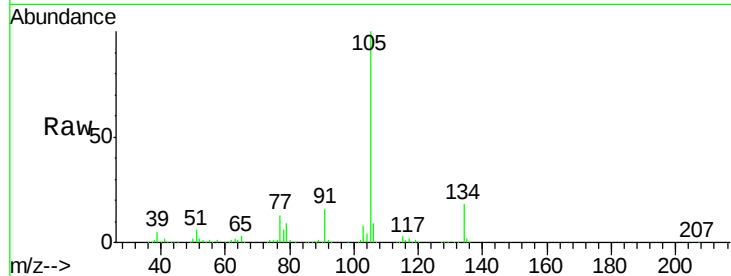
#85
 sec-Butylbenzene
 Concen: 20.987 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS04

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.4	9.6	28.6

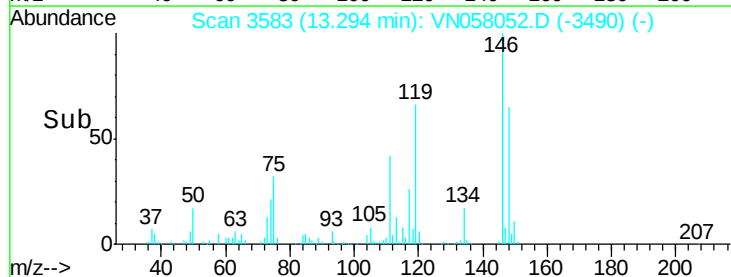
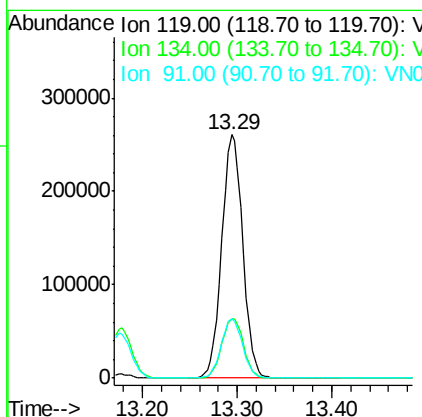
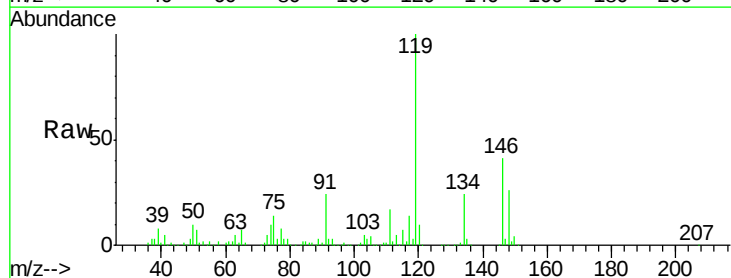
Manual Integrations
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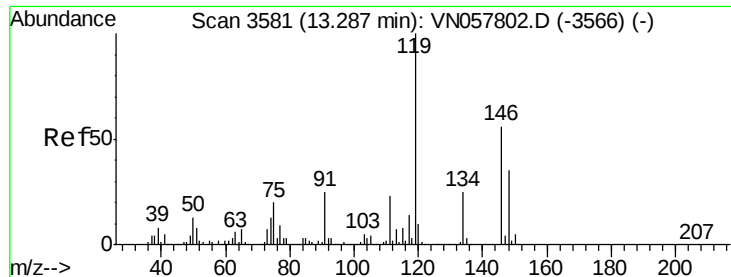
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 21.008 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	24.8	12.3	36.8





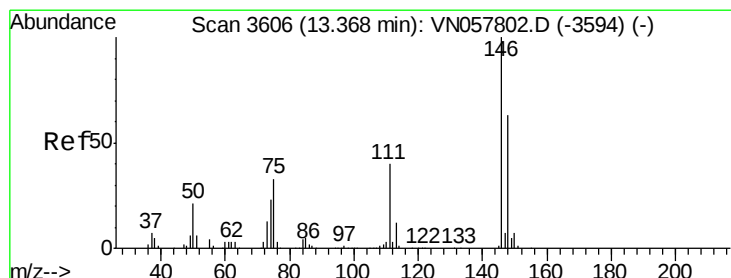
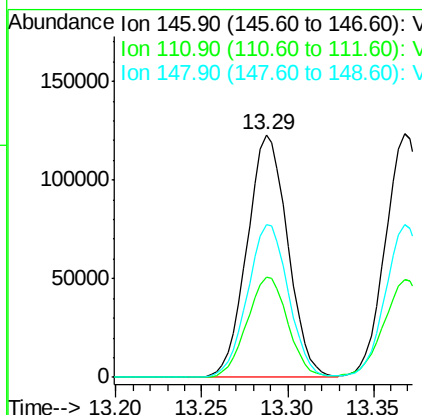
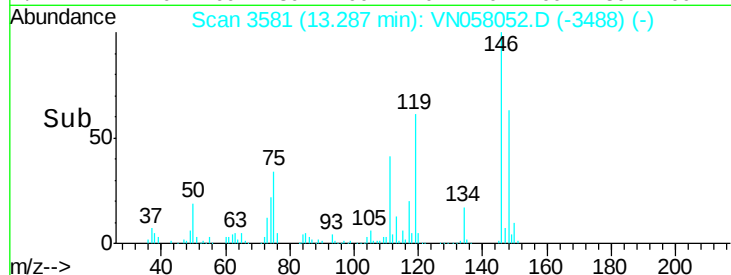
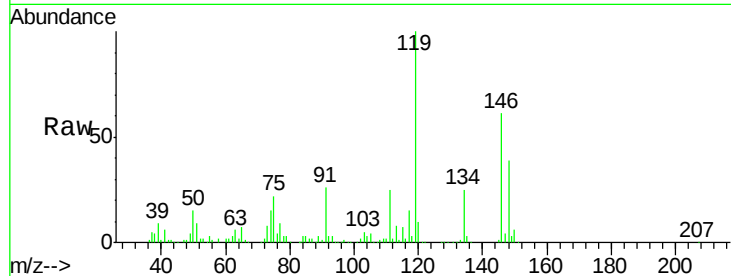
#87
 1,3-Dichlorobenzene
 Concen: 20.158 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS04

Tot Ion	Ratio	Resp	Lower	Upper
146	100	201549		
111	41.5	20.5	61.6	
148	63.5	31.5	94.5	

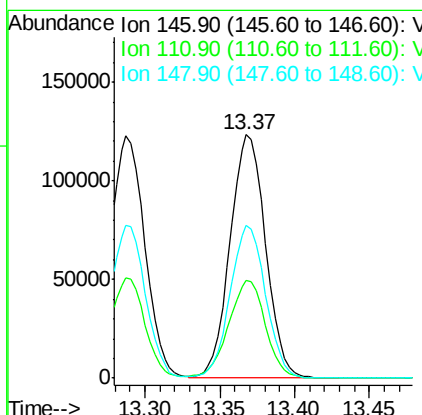
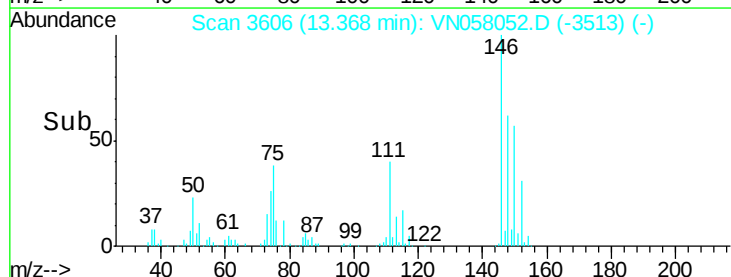
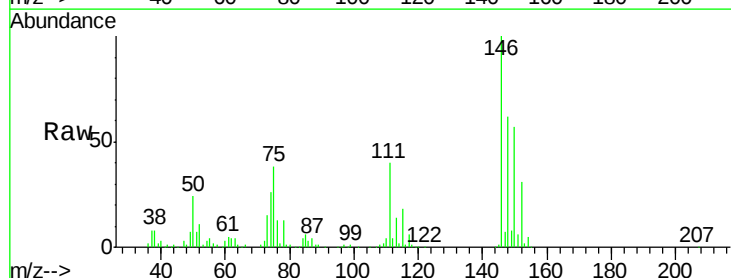
Manual Integrations
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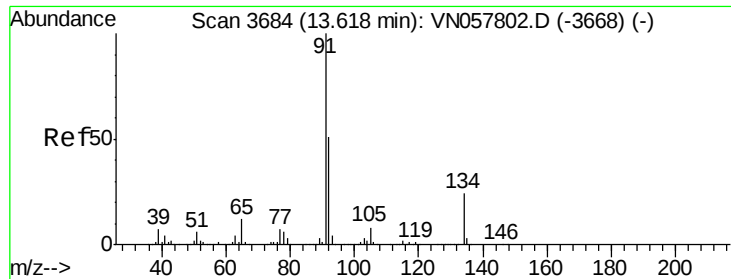
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#88
 1,4-Dichlorobenzene
 Concen: 20.018 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	203168		
111	41.6	20.4	61.2	
148	63.2	31.8	95.4	





#89

n-Butylbenzene

Concen: 19.894 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

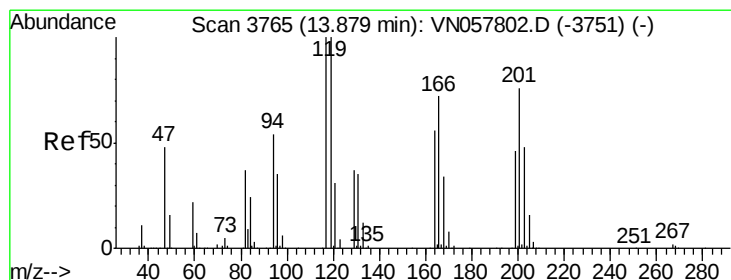
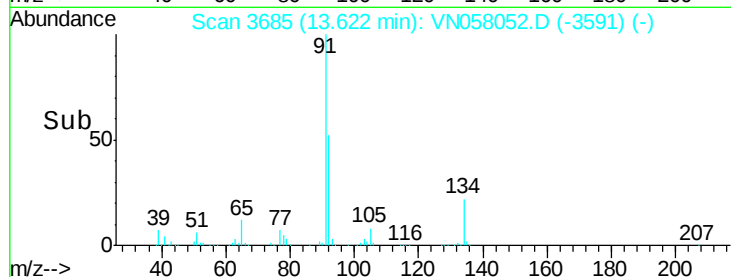
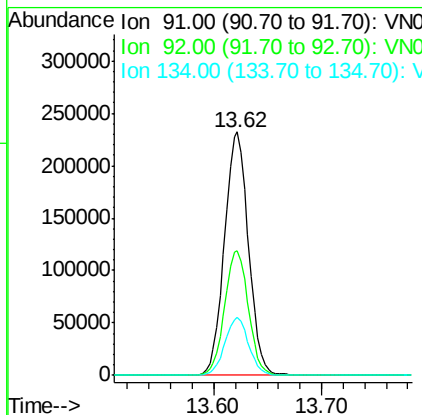
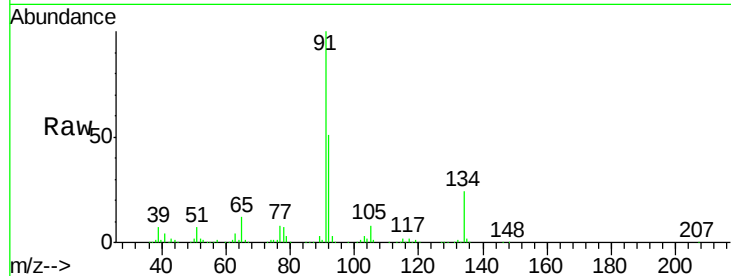
ClientSampleId :

VN0914WBS04

Tot Ion:	91	Resp:	360039
Ion Ratio	Lower	Upper	
91	100		
92	50.7	25.7	77.0
134	23.6	11.9	35.7

Manual Integrations
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#90

Hexachloroethane

Concen: 19.673 ug/l

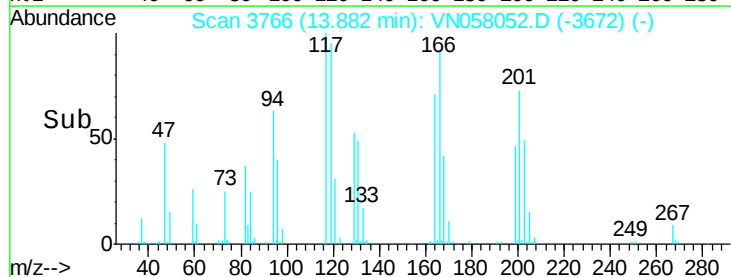
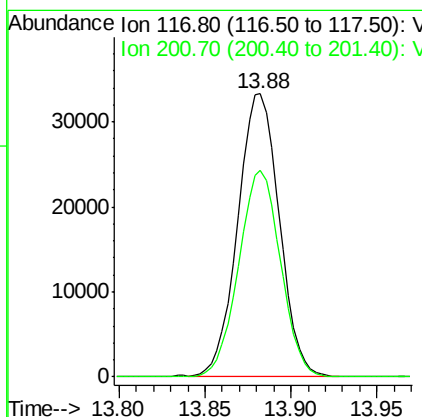
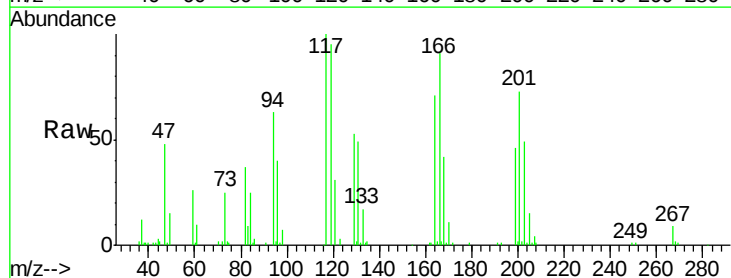
RT: 13.88 min Scan# 3766

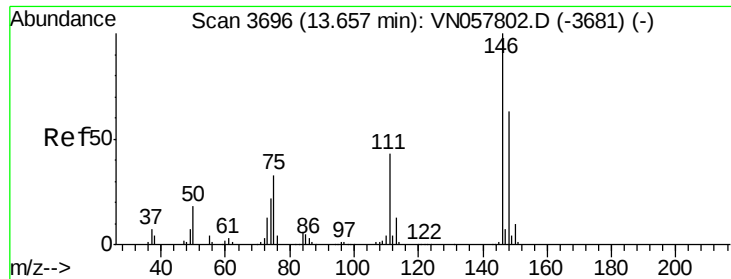
Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Tgt Ion:	117	Resp:	56069
Ion Ratio	Lower	Upper	
117	100		
201	73.2	37.5	112.7





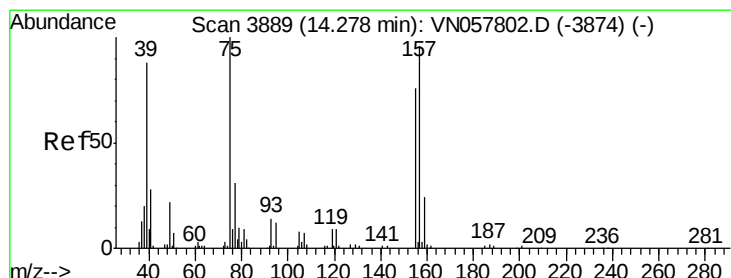
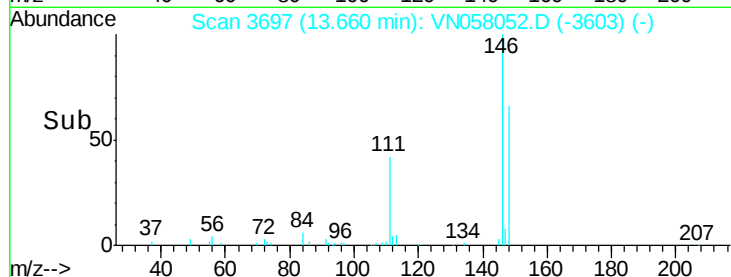
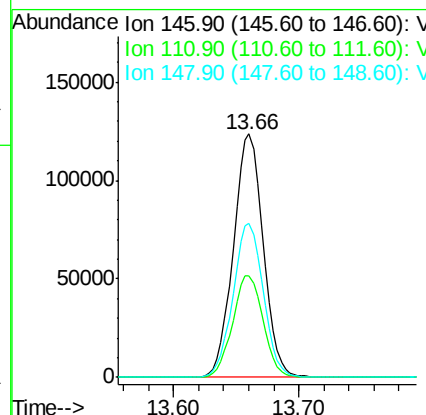
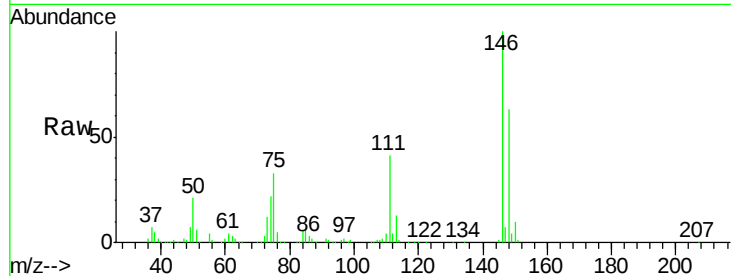
#91
 1,2-Dichlorobenzene
 Concen: 20.395 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS04

Tot Ion	Ratio	Resp	Lower	Upper
146	100	203722		
111	42.8	21.3	63.9	
148	64.2	31.4	94.3	

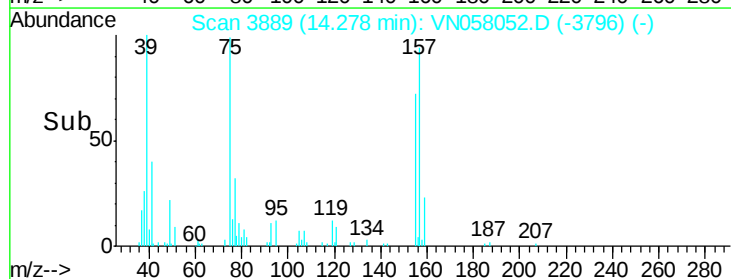
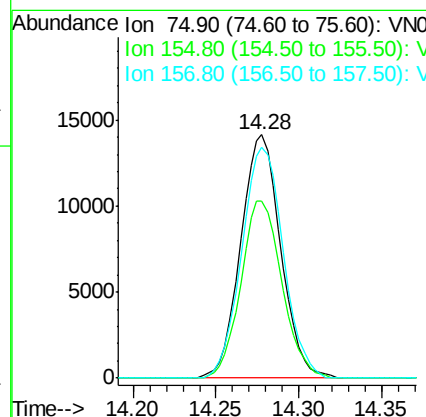
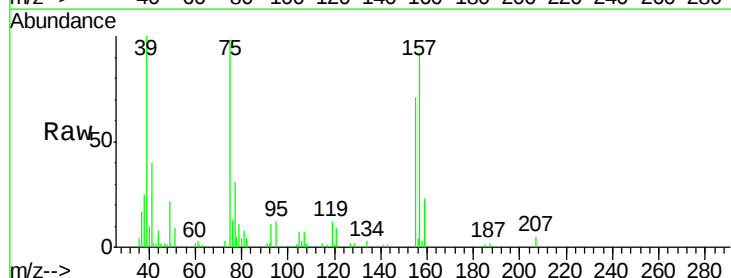
Manual Integrations
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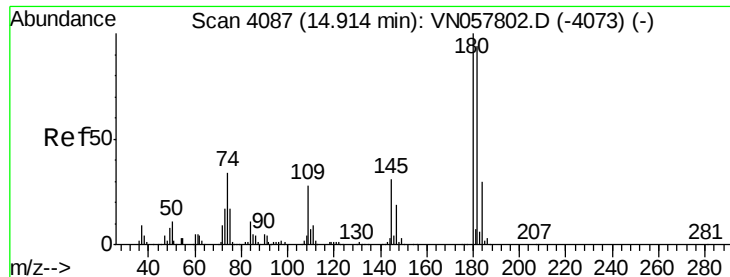
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.553 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23755		
155	74.4	37.3	111.8	
157	98.6	47.9	143.8	





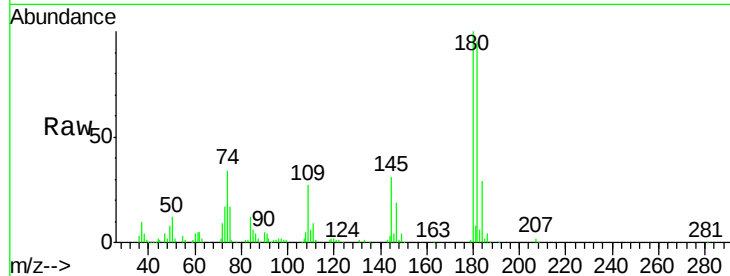
#93
 1,2,4-Trichlorobenzene
 Concen: 18.302 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS04

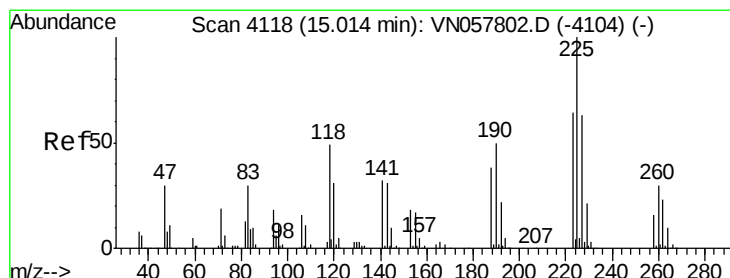
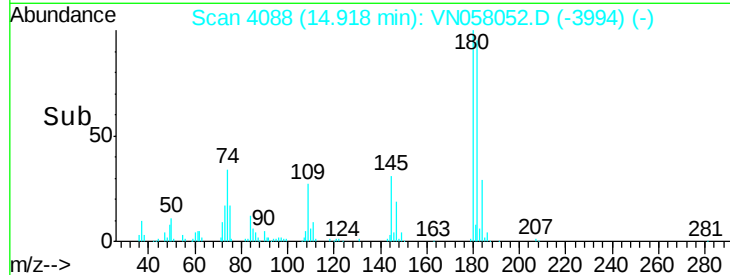
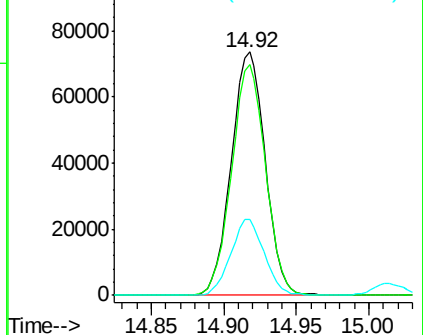
Tot Ion:	180	Resp:	119493
Ion Ratio	Lower	Upper	
180	100		
182	94.7	46.9	140.8
145	30.9	14.9	44.7

Manual Integrations
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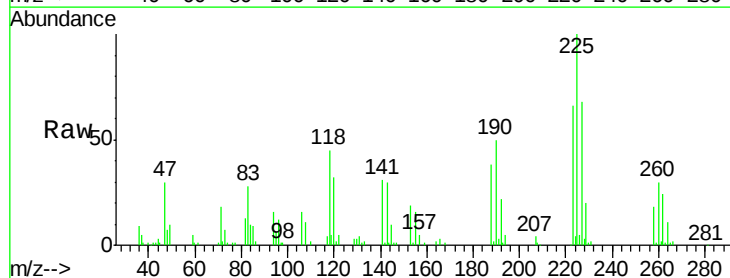


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

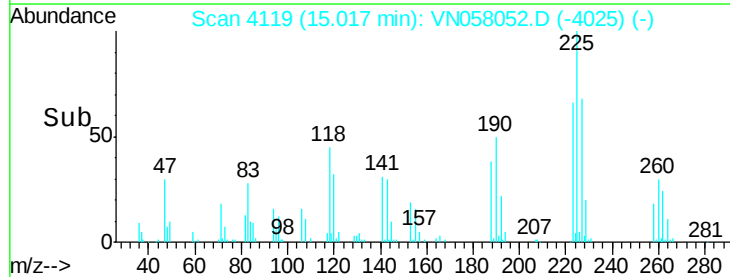
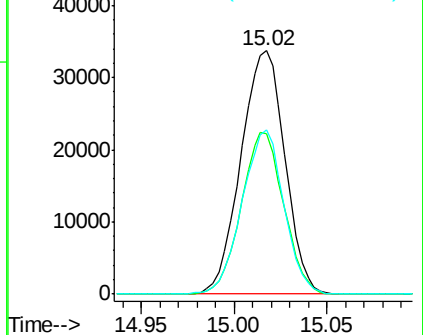


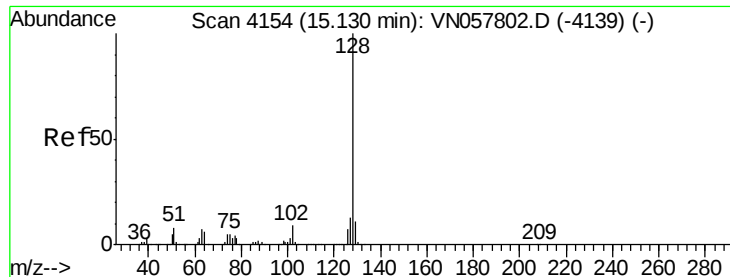
#94
 Hexachlorobutadiene
 Concen: 20.035 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058052.D
 Acq: 14 Sep 2019 5:38

Tgt Ion:	225	Resp:	55451
Ion Ratio	Lower	Upper	
225	100		
223	64.0	32.4	97.2
227	63.9	31.8	95.4



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





#95

Naphthalene

Concen: 18.510 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Instrument :

MSVOA_N

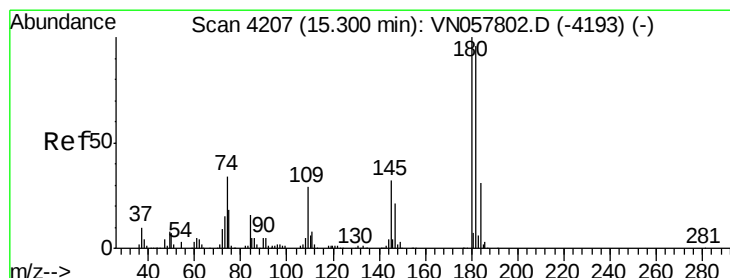
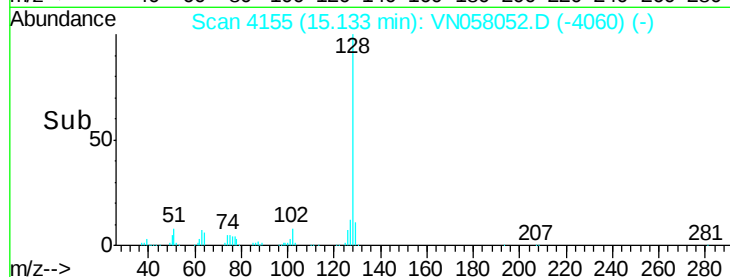
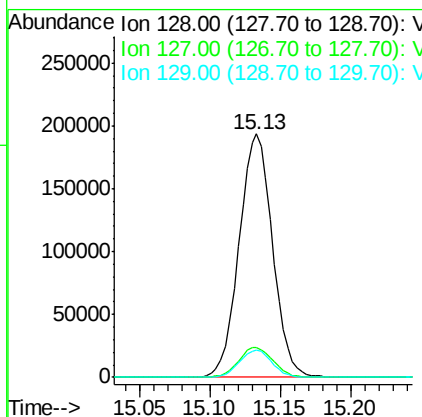
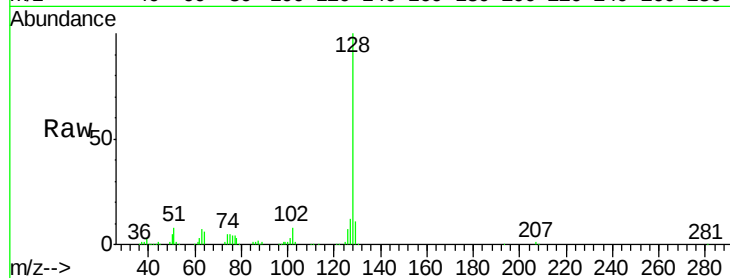
ClientSampleId :

VN0914WBS04

Tot Ion:	128	Resp:	321405
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.9	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 20.935 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058052.D

Acq: 14 Sep 2019 5:38

Tgt Ion:	180	Resp:	115951
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.3	144.8
145	31.9	16.3	48.8

