

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081919\
 Data File : VN057389.D
 Acq On : 19 Aug 2019 10:40
 Operator : JC/SP
 Sample : VN0819WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:45:11 AM

Quant Time: Aug 20 07:38:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	872725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1271162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1108328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406304	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	433827	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	
35) Dibromofluoromethane	7.58	113	404589	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	10.08	98	1461252	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	12.40	95	465864	43.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	135689	18.068	ug/l	98
3) Chloromethane	2.06	50	155320	17.523	ug/l	96
4) Vinyl Chloride	2.18	62	151722	18.194	ug/l	99
5) Bromomethane	2.55	94	118418	19.921	ug/l	99
6) Chloroethane	2.70	64	104068	18.142	ug/l	96
7) Trichlorofluoromethane	3.02	101	247338	18.909	ug/l	98
8) Diethyl Ether	3.40	74	96273	19.555	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	151524	19.716	ug/l	97
10) Methyl Iodide	3.95	142	238109	19.383	ug/l	99
11) Tert butyl alcohol	4.75	59	120358	89.235	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	146490	19.131	ug/l	97
13) Acrolein	3.60	56	51490	62.885	ug/l	100
14) Allyl chloride	4.32	41	214041	17.438	ug/l	97
15) Acrylonitrile	4.97	53	336937	92.014	ug/l	100
16) Acetone	3.80	43	296254	90.014	ug/l	99
17) Carbon Disulfide	4.05	76	370297	17.950	ug/l	98
18) Methyl Acetate	4.31	43	167501	17.473	ug/l	97
19) Methyl tert-butyl Ether	5.03	73	460095	19.149	ug/l	100
20) Methylene Chloride	4.54	84	171100	18.581	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	159301	19.346	ug/l	96
22) Diisopropyl ether	5.93	45	449460	18.537	ug/l	95
23) Vinyl Acetate	5.88	43	1771653	90.788	ug/l	97
24) 1,1-Dichloroethane	5.84	63	283098	18.978	ug/l	99
25) 2-Butanone	6.82	43	422812	88.714	ug/l	97
26) 2,2-Dichloropropane	6.81	77	240394	19.940	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	188405	19.326	ug/l	97
28) Bromochloromethane	7.18	49	120603	18.196	ug/l #	94
29) Tetrahydrofuran	7.20	42	270303	89.618	ug/l	99
30) Chloroform	7.36	83	297778	19.048	ug/l	98
31) Cyclohexane	7.65	56	229666	17.766	ug/l #	88
32) 1,1,1-Trichloroethane	7.56	97	259510	19.737	ug/l	98
36) 1,1-Dichloropropene	7.78	75	211915	18.881	ug/l	100
37) Ethyl Acetate	6.91	43	173423	18.866	ug/l	100
38) Carbon Tetrachloride	7.77	117	236338	20.267	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	248959	18.997	ug/l	99
40) Benzene	8.03	78	655868	19.106	ug/l	99
41) Methacrylonitrile	7.16	41	83039m	20.059	ug/l	
42) 1,2-Dichloroethane	8.12	62	218945	19.270	ug/l	100
43) Isopropyl Acetate	8.16	43	315312	18.035	ug/l	99
44) Trichloroethene	8.83	130	193691	20.069	ug/l	98
45) 1,2-Dichloropropane	9.11	63	169709	19.179	ug/l	97
46) Dibromomethane	9.20	93	116330	19.707	ug/l	97
47) Bromodichloromethane	9.40	83	228734	19.557	ug/l	98
48) Methyl methacrylate	9.19	41	138977	18.359	ug/l	99
49) 1,4-Dioxane	9.19	88	60344	379.067	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	840234	88.600	ug/l	98
52) Toluene	10.15	92	424596	19.872	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	244883	19.357	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	270190	19.368	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	166939	19.869	ug/l	97
56) Ethyl methacrylate	10.43	69	232003	18.921	ug/l	97
57) 1,3-Dichloropropane	10.70	76	273554	19.490	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	245375	79.614	ug/l	99
59) 2-Hexanone	10.75	43	597460	87.631	ug/l	98
60) Dibromochloromethane	10.90	129	190162	20.197	ug/l	100
61) 1,2-Dibromoethane	11.00	107	173712	19.409	ug/l	99
64) Tetrachloroethene	10.63	164	203315	21.220	ug/l	97
65) Chlorobenzene	11.43	112	458434	20.280	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	185250	21.399	ug/l	99
67) Ethyl Benzene	11.51	91	774607	19.586	ug/l	100
68) m/p-Xylenes	11.62	106	583202	40.025	ug/l	100
69) o-Xylene	11.95	106	289585	20.241	ug/l	100
70) Styrene	11.96	104	449620	19.715	ug/l	99
71) Bromoform	12.13	173	144676	21.183	ug/l #	99
73) Isopropylbenzene	12.25	105	771979	21.995	ug/l	98
74) N-amyl acetate	12.07	43	211975	17.979	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	217233	21.503	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	179000m	21.307	ug/l	
77) Bromobenzene	12.53	156	207690	22.668	ug/l	94
78) n-propylbenzene	12.59	91	757976	19.373	ug/l	99
79) 2-Chlorotoluene	12.67	91	486423	21.389	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	627133	21.628	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	65180	19.562	ug/l	99
82) 4-Chlorotoluene	12.77	91	439697	18.965	ug/l	96
83) tert-Butylbenzene	12.99	119	574008	22.212	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	596019	20.366	ug/l	98
85) sec-Butylbenzene	13.17	105	673692	21.042	ug/l	99
86) p-Isopropyltoluene	13.29	119	593051	19.794	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	278288	19.549	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	265297	19.632	ug/l	99
89) n-Butylbenzene	13.62	91	448409	20.993	ug/l	99
90) Hexachloroethane	13.88	117	120981	22.458	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	273707	20.625	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25805	17.810	ug/l	99

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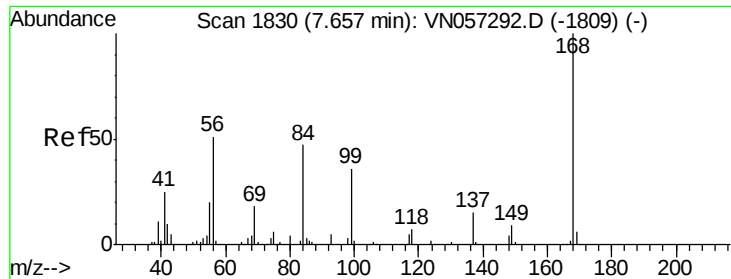
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	64969	16.287	ug/l	96
94) Hexachlorobutadiene	15.01	225	130322	23.190	ug/l	97
95) Naphthalene	15.13	128	124385	18.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	61469	18.949	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBSD01

Tot Ion:168 Resp: 872725

Ion Ratio Lower Upper

168 100

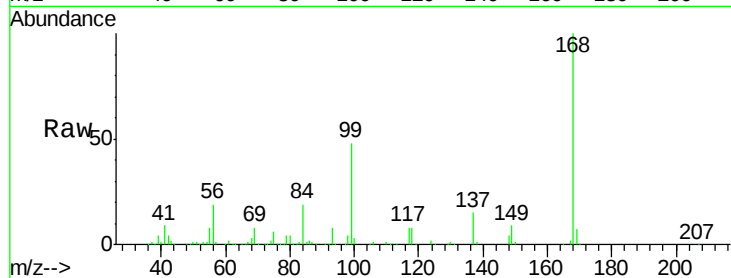
99 47.9 39.4 59.2

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

7.66

400000

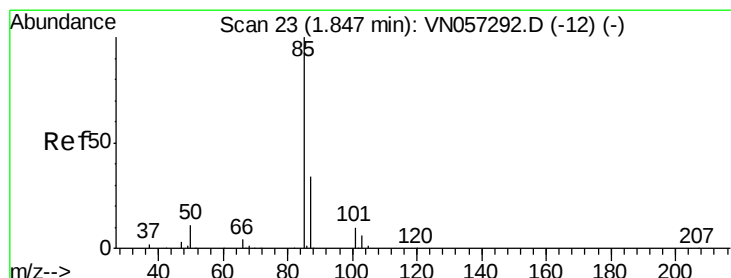
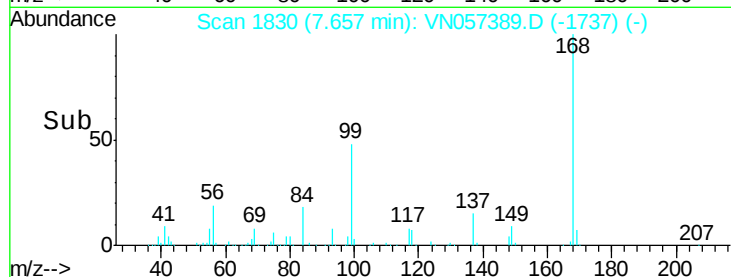
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.068 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057389.D

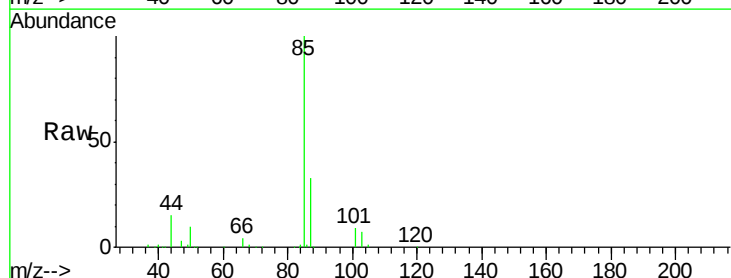
Acq: 19 Aug 2019 10:40

Tgt Ion: 85 Resp: 135689

Ion Ratio Lower Upper

85 100

87 32.5 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

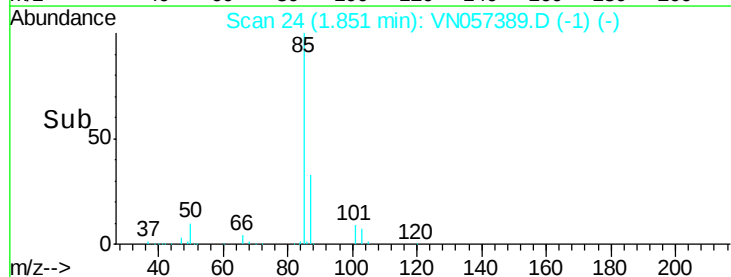
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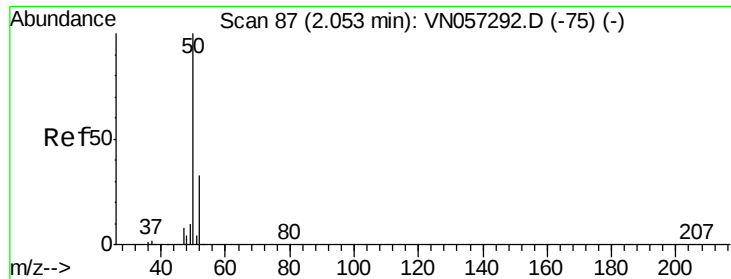
40000

20000

0

Time-->





#3

Chloromethane

Concen: 17.523 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBSD01

Tot Ion: 50 Resp: 155320

Ion Ratio Lower Upper

50 100

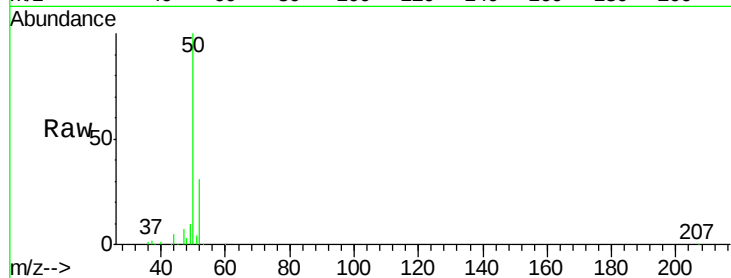
52 31.4 26.8 40.2

Manual Integrations

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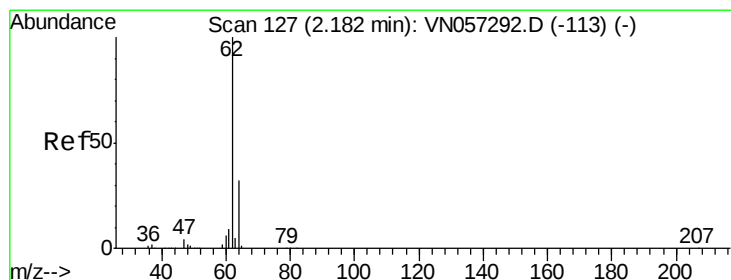
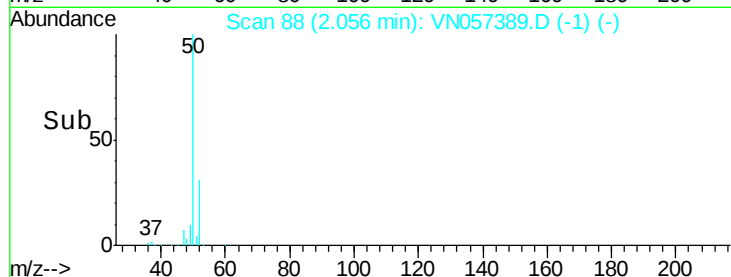
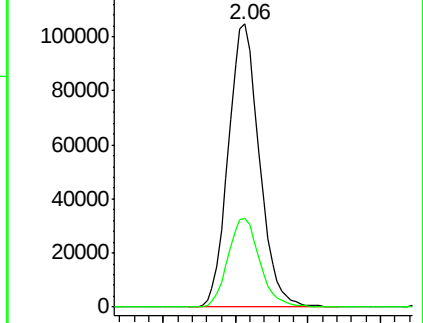
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.194 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057389.D

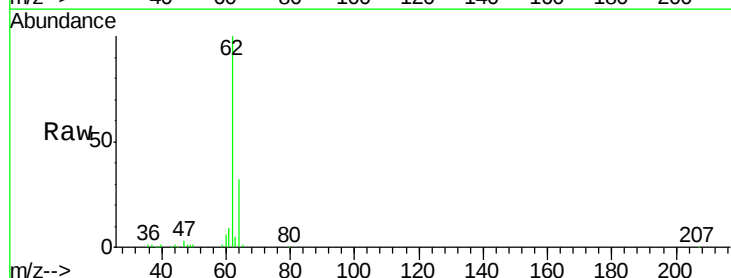
Acq: 19 Aug 2019 10:40

Tgt Ion: 62 Resp: 151722

Ion Ratio Lower Upper

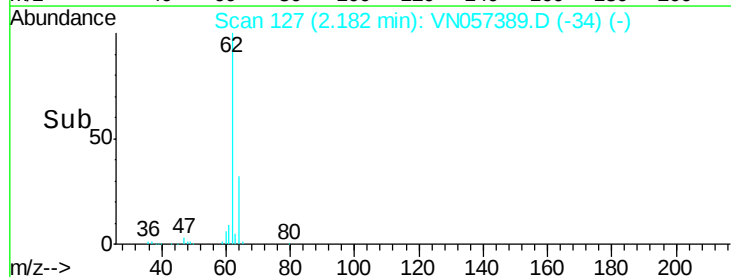
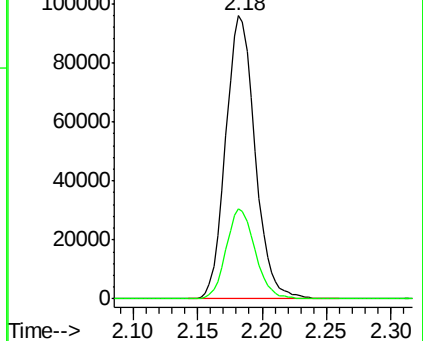
62 100

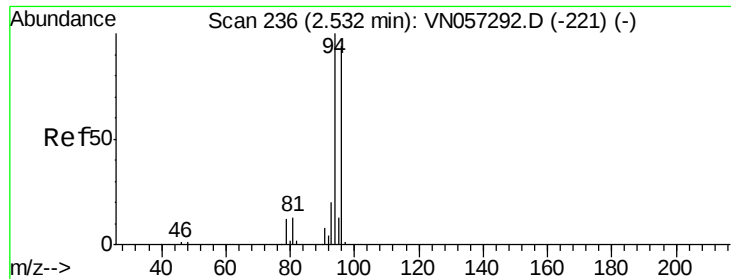
64 31.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.921 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBSD01

Tot Ion: 94 Resp: 118418

Ion Ratio Lower Upper

94 100

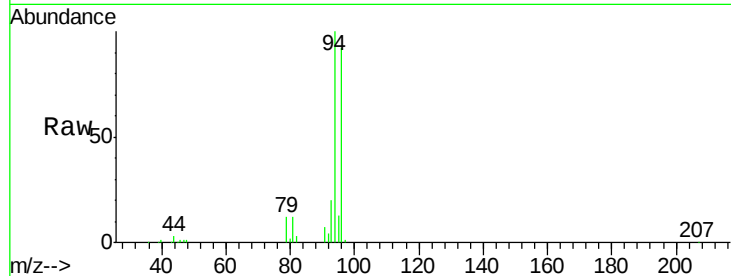
96 92.5 75.0 112.6

Manual Integrations

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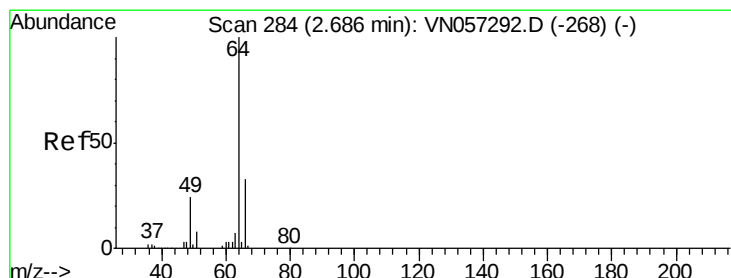
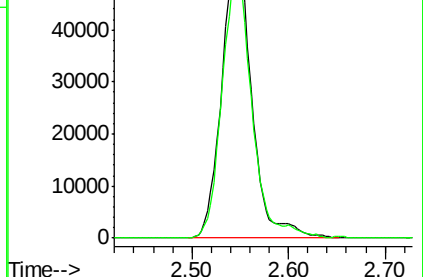
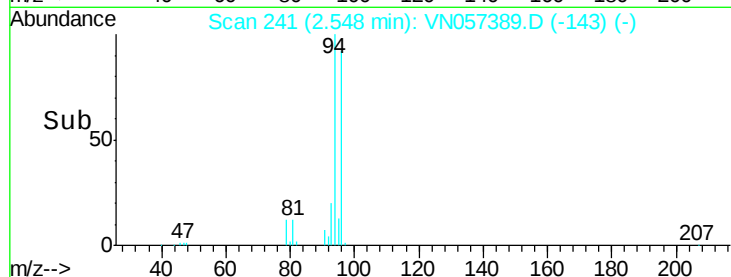


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

Time-->



#6

Chloroethane

Concen: 18.142 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.01 min

Lab File: VN057389.D

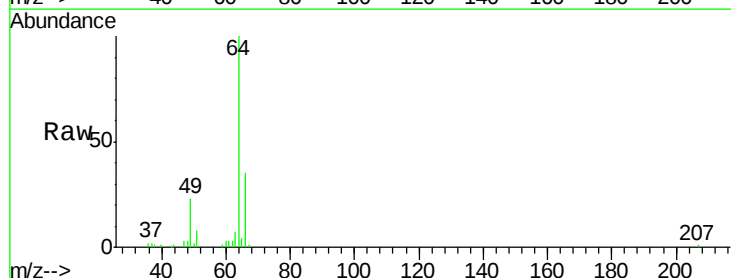
Acq: 19 Aug 2019 10:40

Tgt Ion: 64 Resp: 104068

Ion Ratio Lower Upper

64 100

66 35.1 26.4 39.6

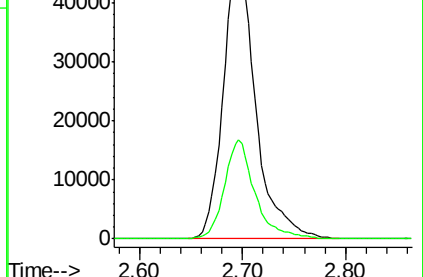
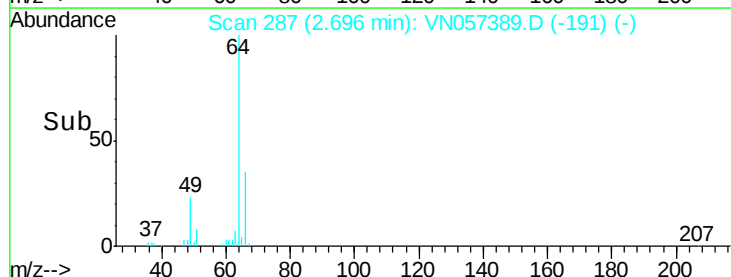


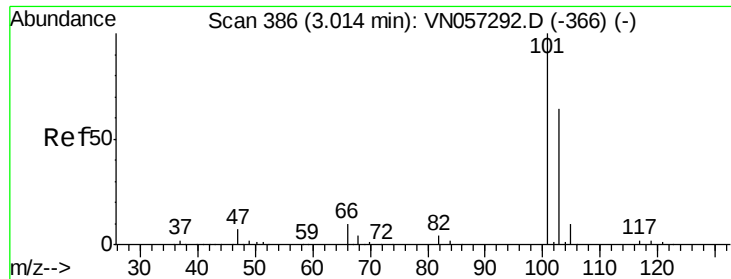
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

Time-->





#7

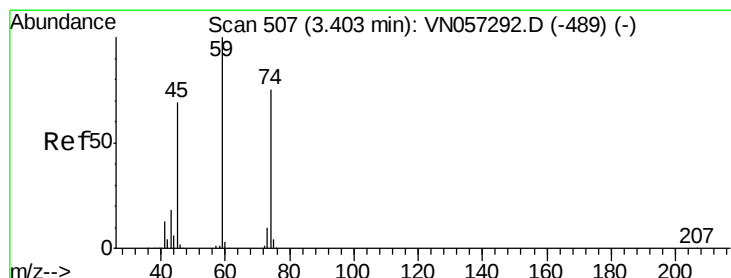
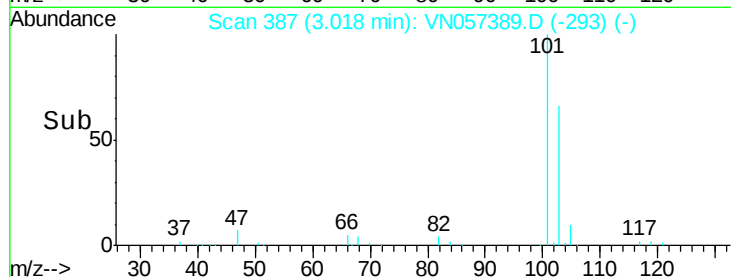
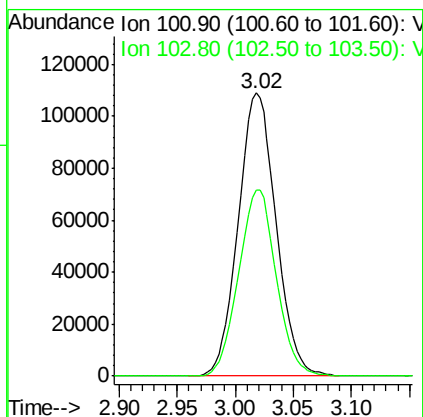
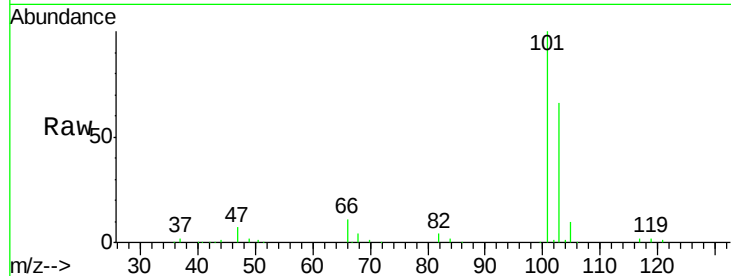
Trichlorofluoromethane
Concen: 18.909 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	247338		
103	65.6	51.5	77.3	

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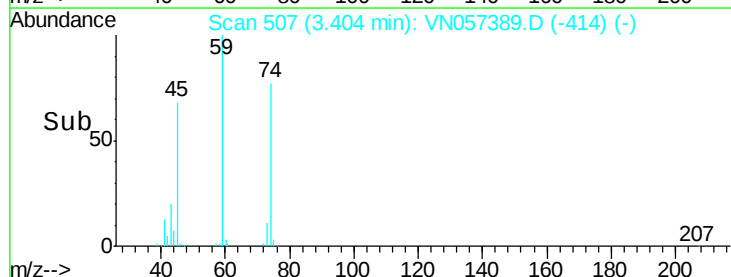
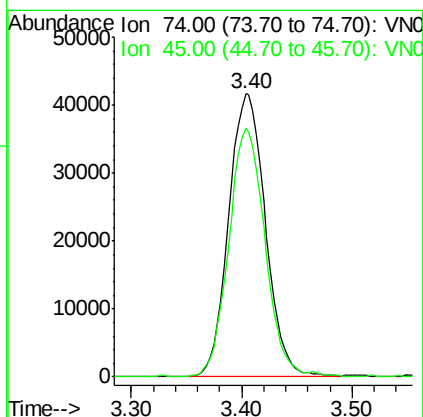
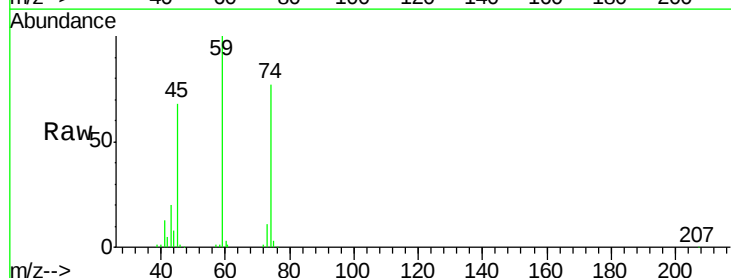
MMDadoda
8/21/2019 9:45:11 AM

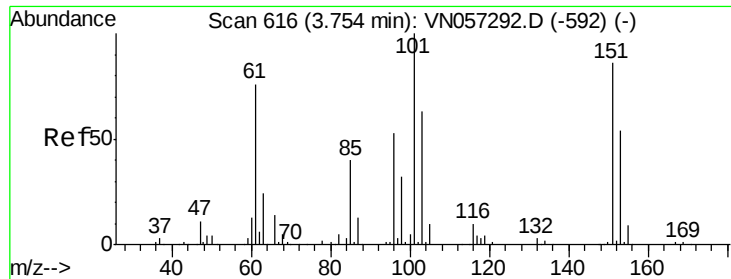


#8

Diethyl Ether
Concen: 19.555 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	96273		
45	86.4	45.9	137.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.716 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

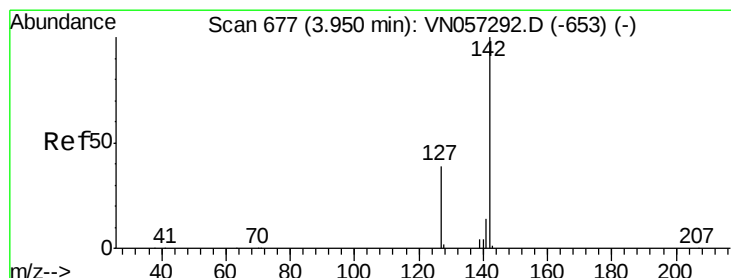
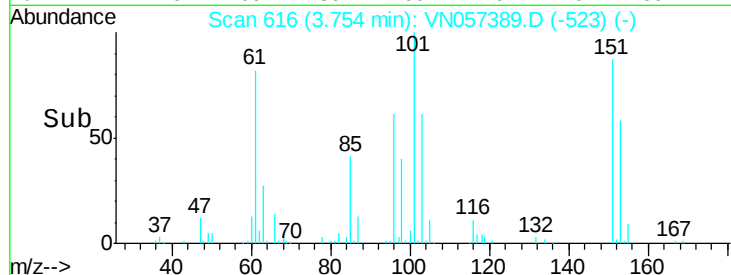
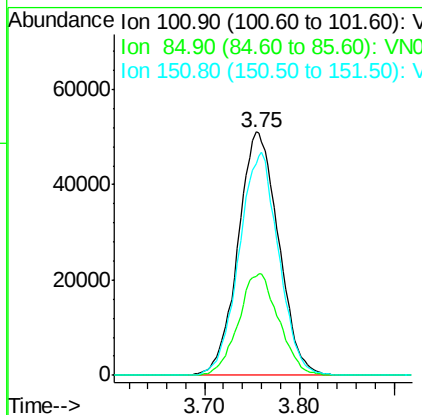
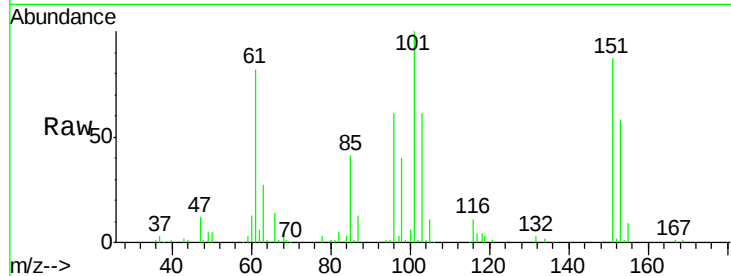
ClientSampleId :

VN0819WBSD01

Tot Ion:	101	Resp:	151524
Ion Ratio	Lower	Upper	
101	100		
85	41.7	32.7	49.1
151	89.8	69.1	103.7

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#10

Methyl Iodide

Concen: 19.383 ug/l

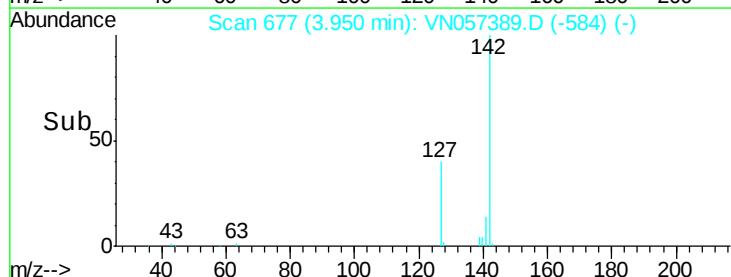
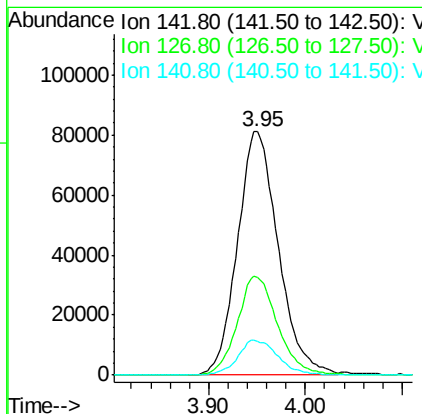
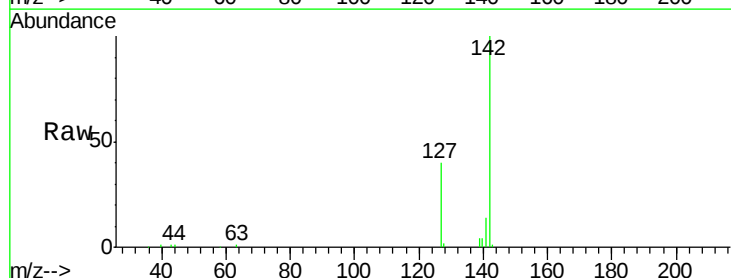
RT: 3.95 min Scan# 677

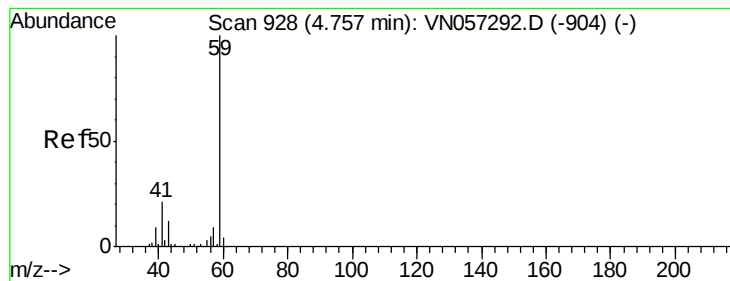
Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Tgt Ion:	142	Resp:	238109
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.6	47.4
141	14.2	11.2	16.8





#11

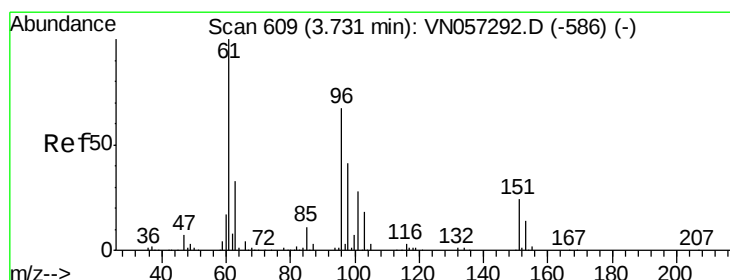
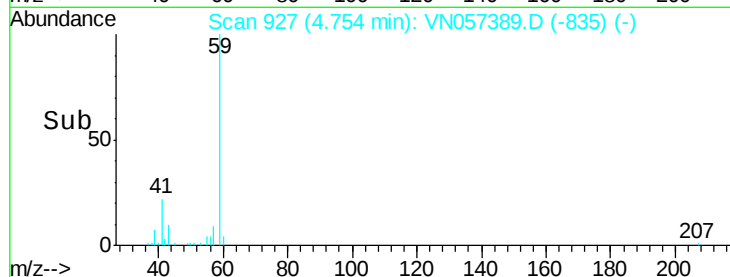
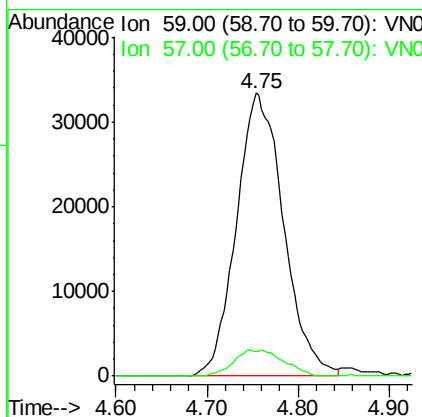
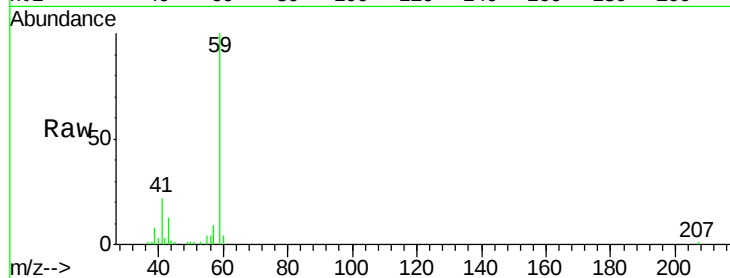
Tert butyl alcohol
Concen: 89.235 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		120358		
57	4.5		8.2	12.2#	

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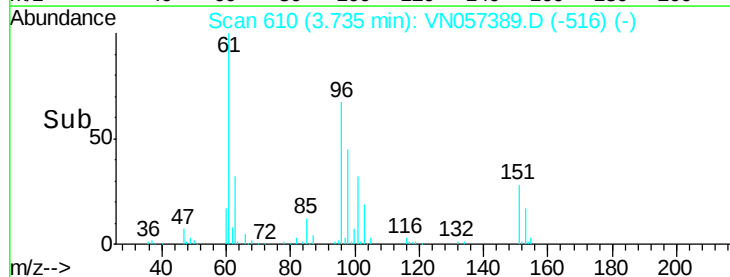
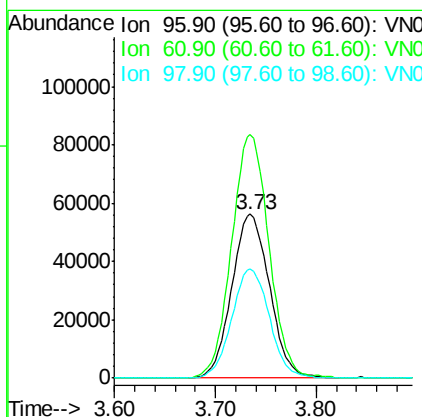
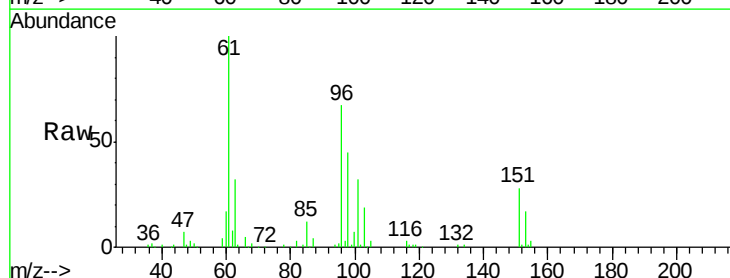
MMDadoda
8/21/2019 9:45:11 AM

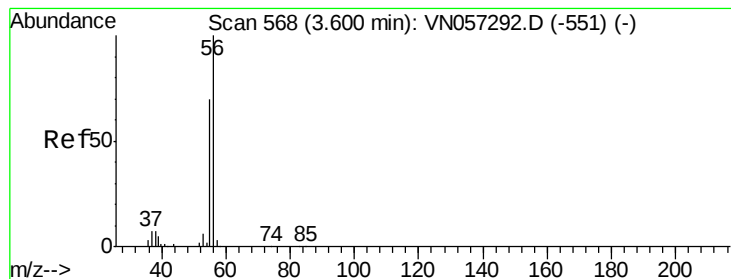


#12

1,1-Dichloroethene
Concen: 19.131 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		146490		
61	148.3		119.7	179.5	
98	66.4		49.0	73.4	





#13

Acrolein

Concen: 62.885 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBSD01

Tot Ion: 56 Resp: 51490

Ion Ratio Lower Upper

56 100

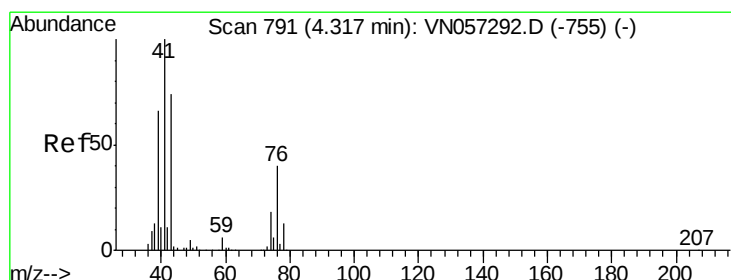
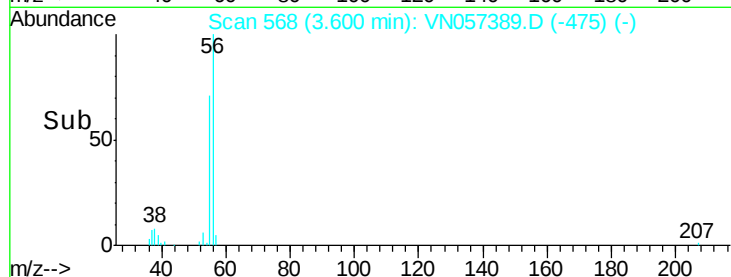
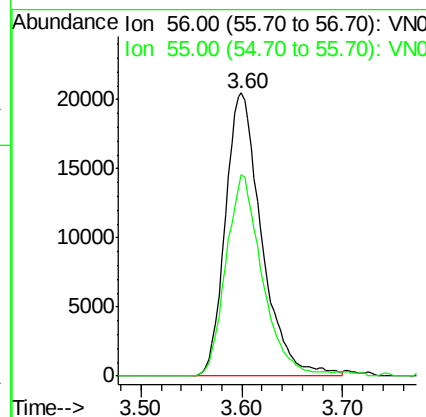
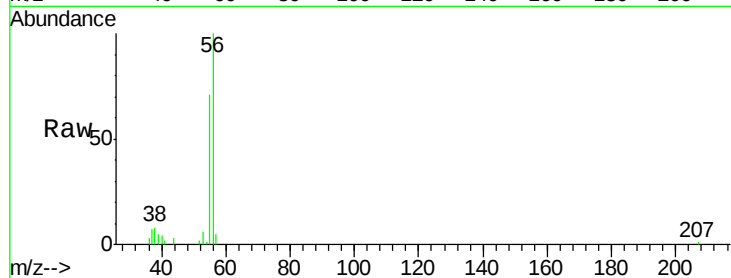
55 70.4 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 17.438 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

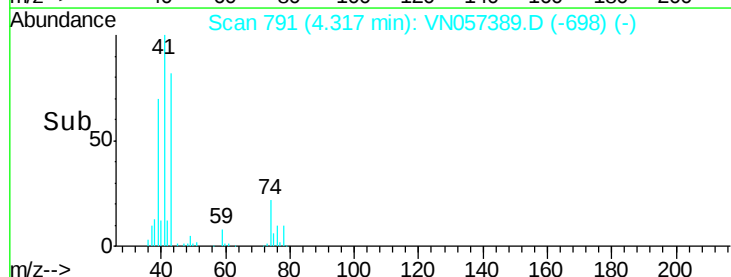
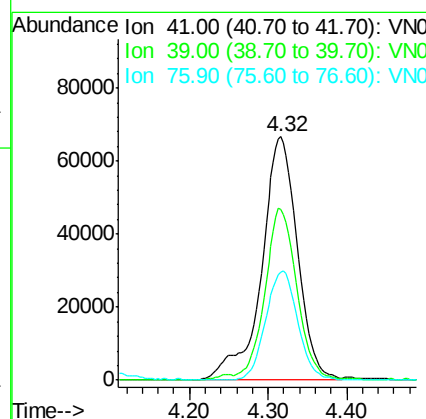
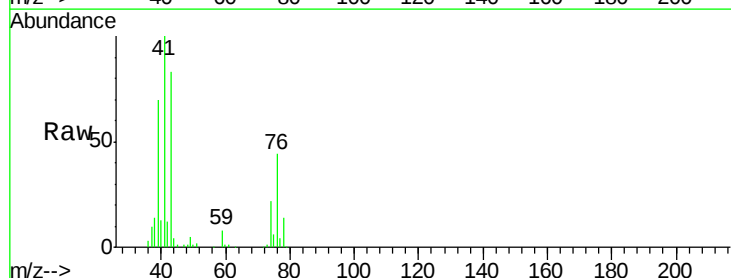
Tgt Ion: 41 Resp: 214041

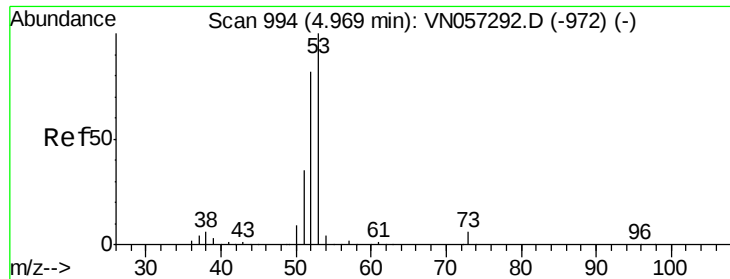
Ion Ratio Lower Upper

41 100

39 62.0 49.0 73.6

76 39.9 29.0 43.4





#15

Acrylonitrile

Concen: 92.014 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

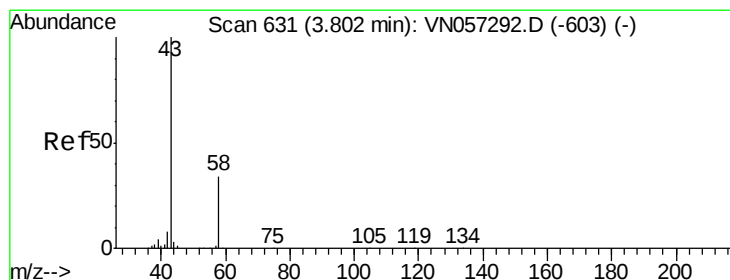
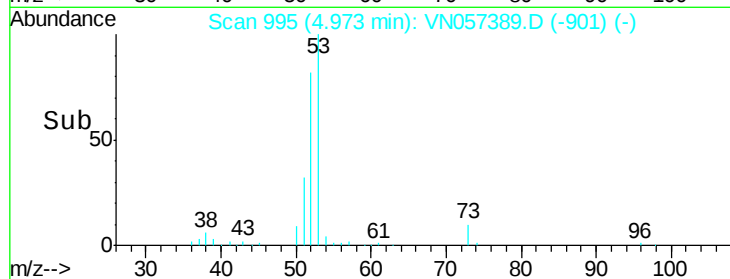
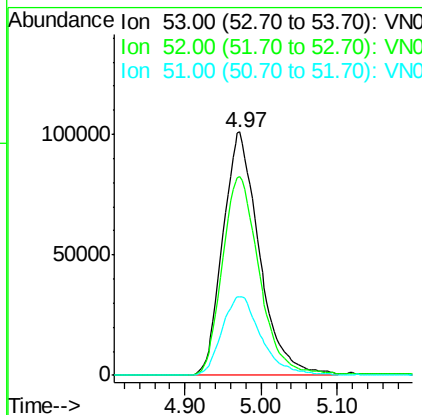
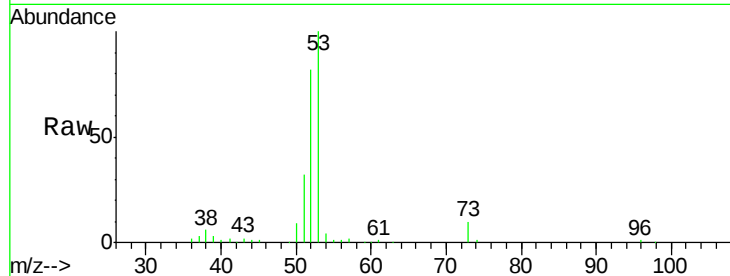
ClientSampleId :

VN0819WBSD01

Tot Ion:	53	Resp:	336937
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	34.9	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 90.014 ug/l

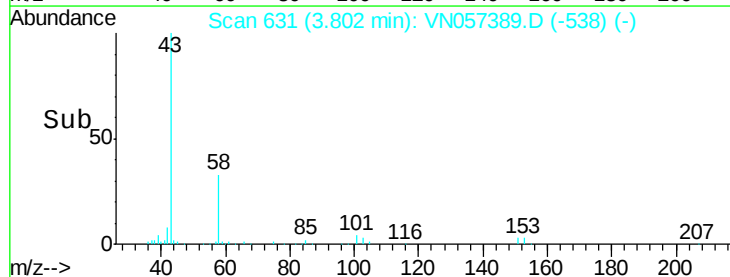
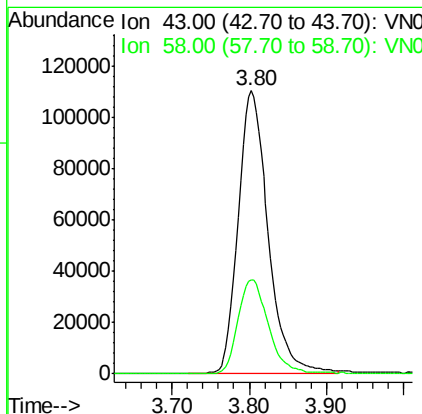
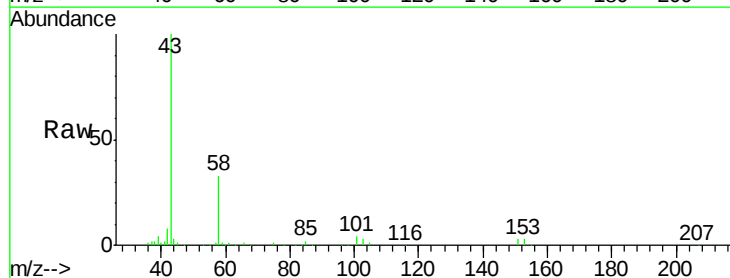
RT: 3.80 min Scan# 631

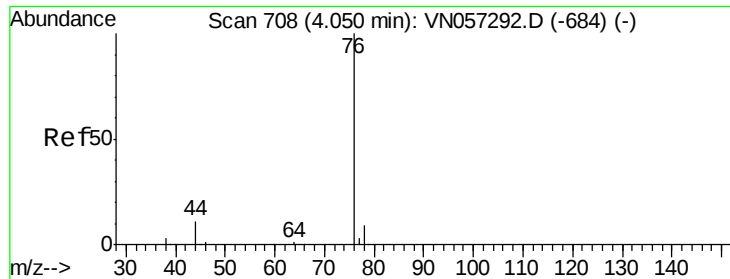
Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Tgt Ion:	43	Resp:	296254
Ion	Ratio	Lower	Upper
43	100		
58	33.1	27.0	40.6





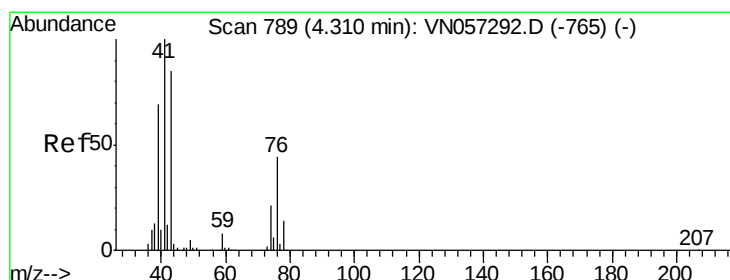
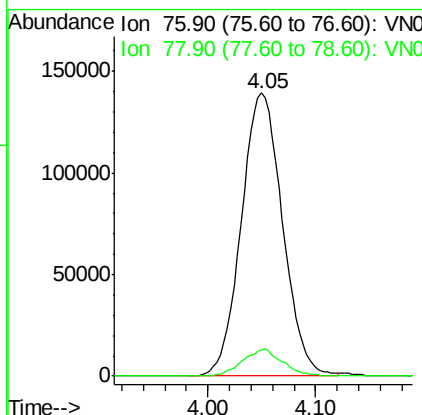
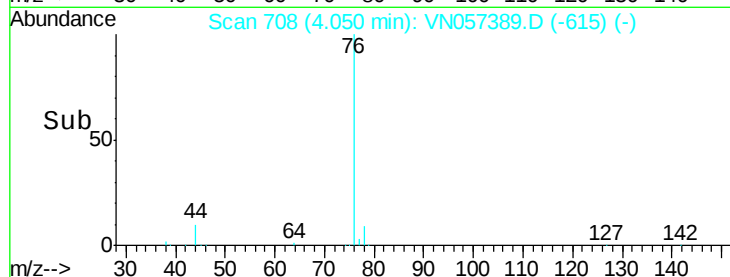
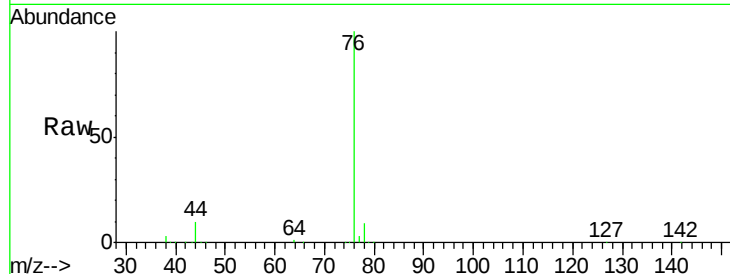
#17
Carbon Disulfide
Concen: 17.950 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion: 76 Resp: 370297
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6

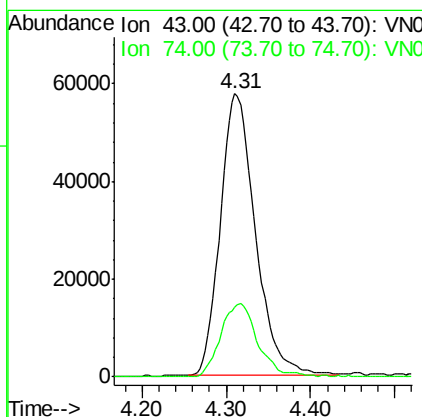
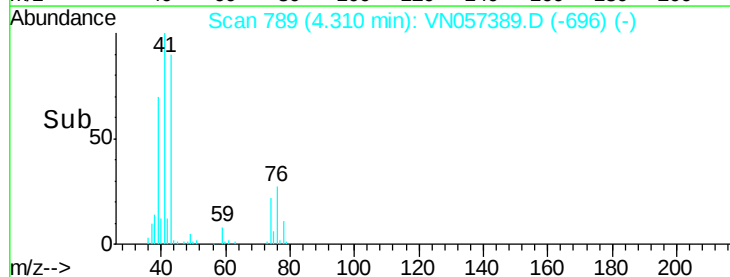
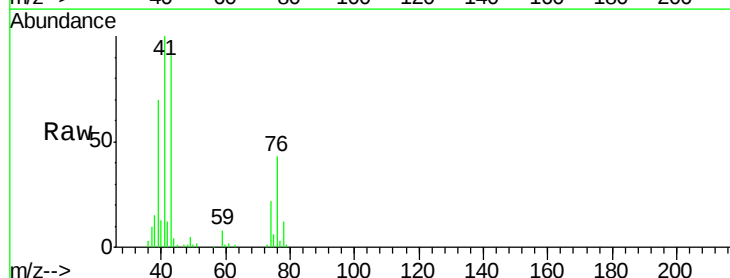
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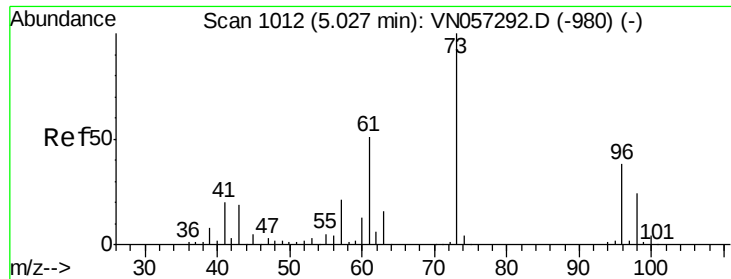
MMDadoda
8/21/2019 9:45:11 AM



#18
Methyl Acetate
Concen: 17.473 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion: 43 Resp: 167501
Ion Ratio Lower Upper
43 100
74 26.7 20.2 30.2





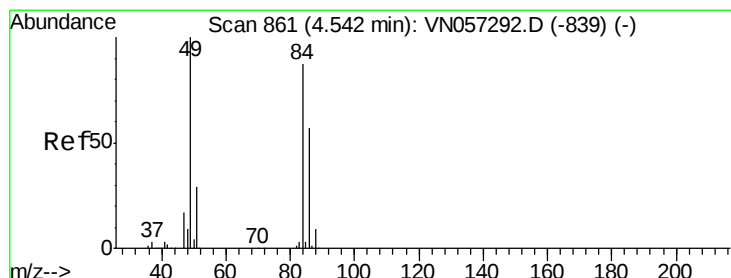
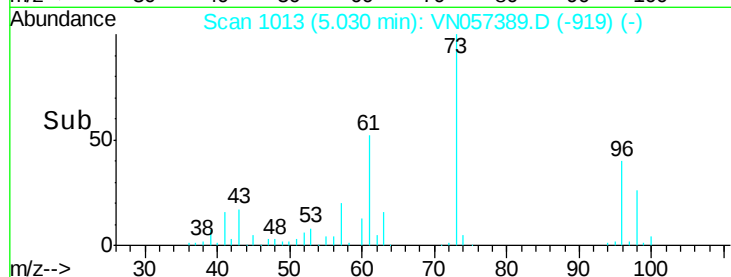
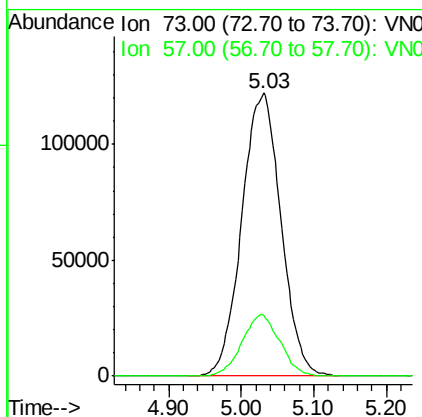
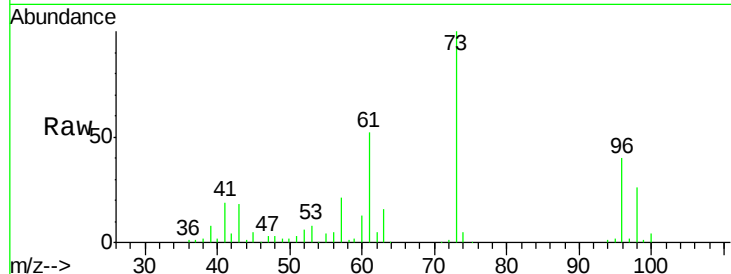
#19
Methvl tert-butvl Ether
Concen: 19.149 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion: 73 Resp: 460095
Ion Ratio Lower Upper
73 100
57 21.2 16.9 25.3

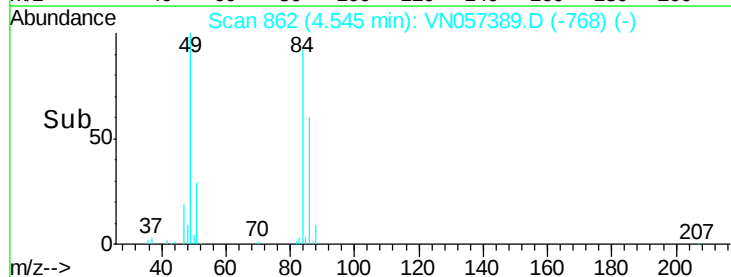
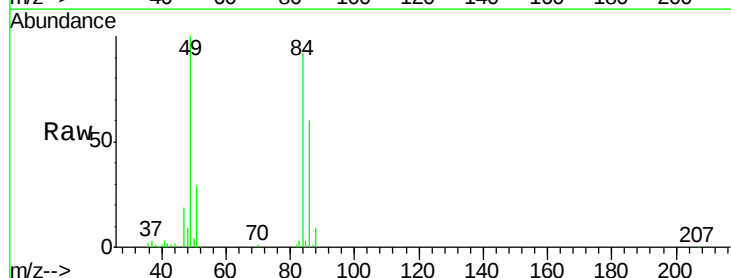
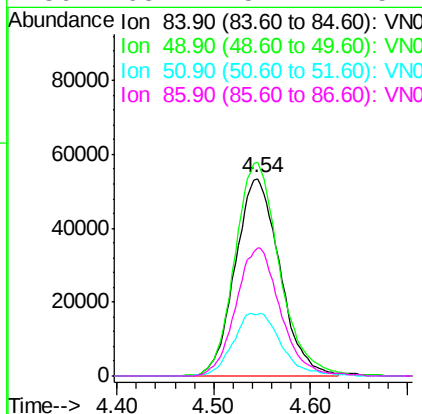
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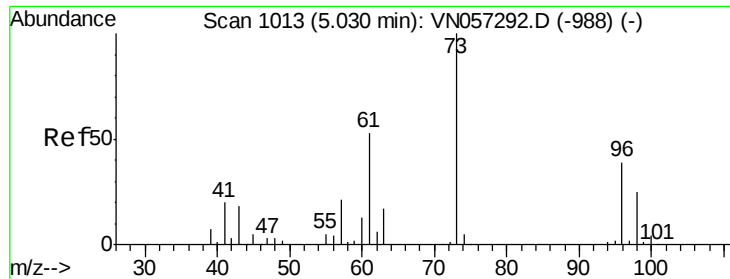
MMDadoda
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#20
Methylene Chloride
Concen: 18.581 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion: 84 Resp: 171100
Ion Ratio Lower Upper
84 100
49 107.7 92.0 138.0
51 31.3 27.1 40.7
86 65.1 52.2 78.2





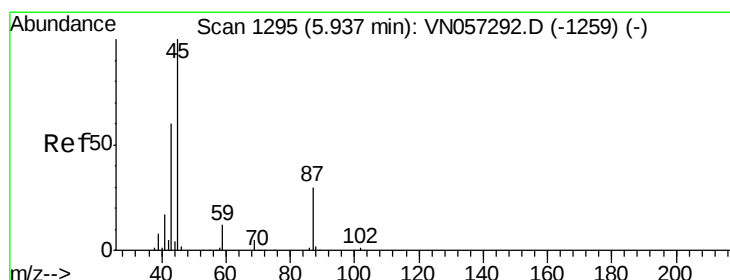
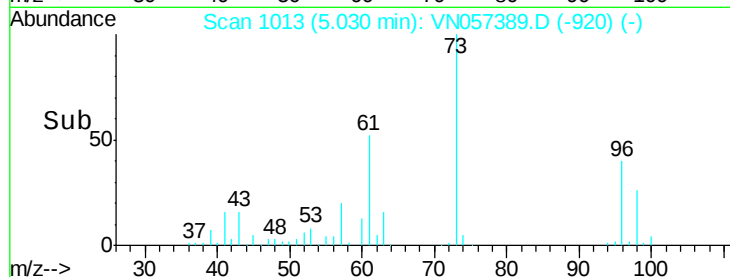
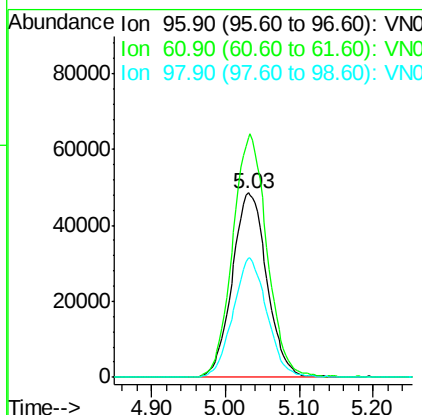
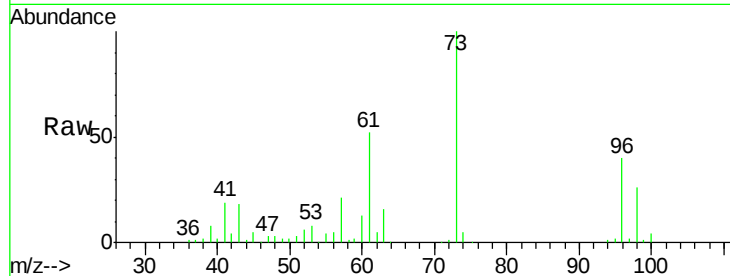
#21
trans-1,2-Dichloroethene
Concen: 19.346 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.8	109.5	164.3
98	64.7	51.0	76.6

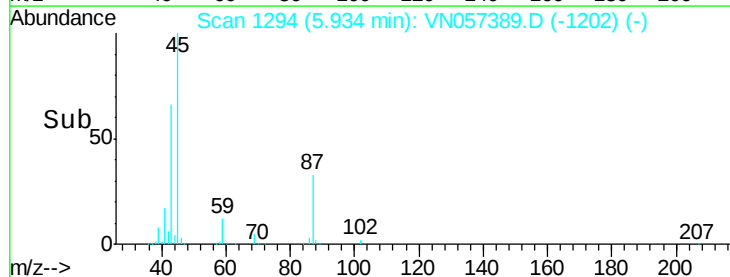
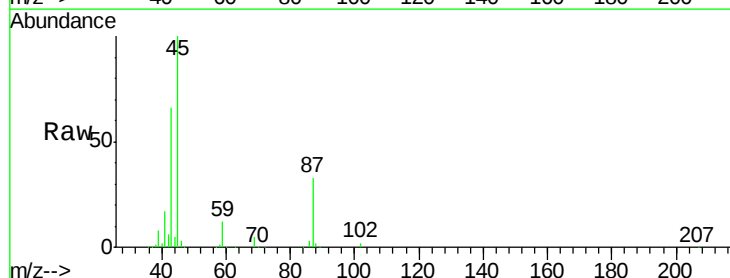
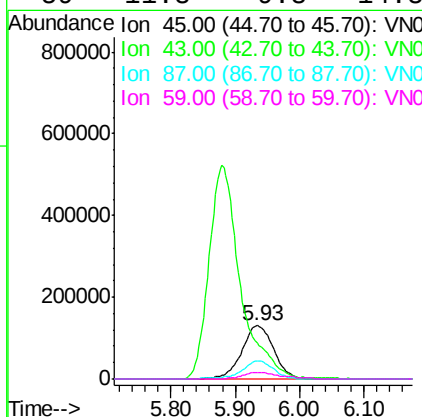
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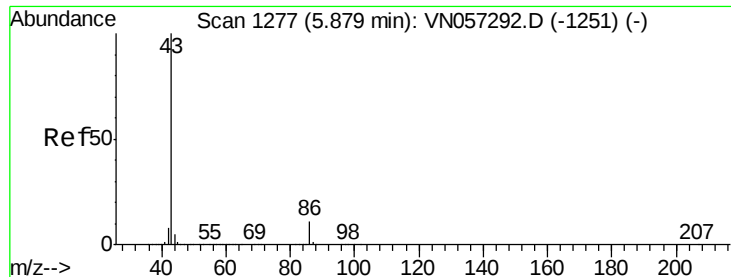
MMDadoda
8/21/2019 9:45:11 AM



#22
Diisopropyl ether
Concen: 18.537 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.0	48.3	72.5
87	33.2	24.6	36.8
59	11.8	9.8	14.8





#23

Vinyl Acetate

Concen: 90.788 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBSD01

Tot Ion: 43 Resp: 1771653

Ion Ratio Lower Upper

43 100

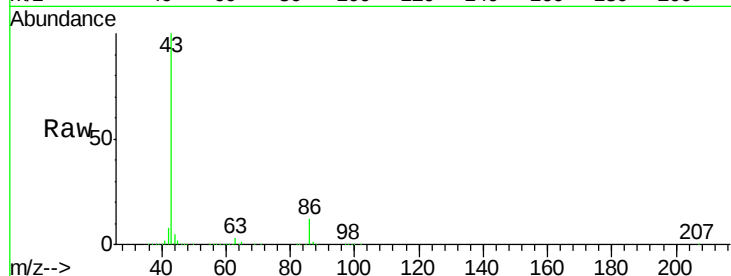
86 11.9 8.7 13.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

600000

500000

400000

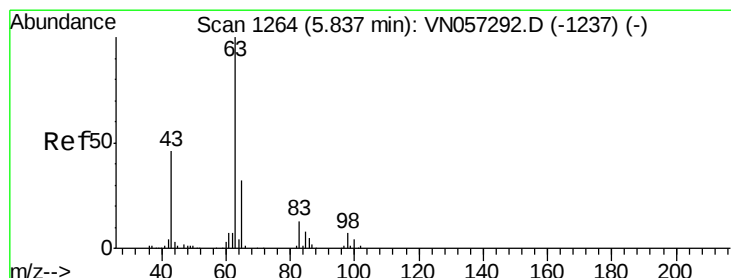
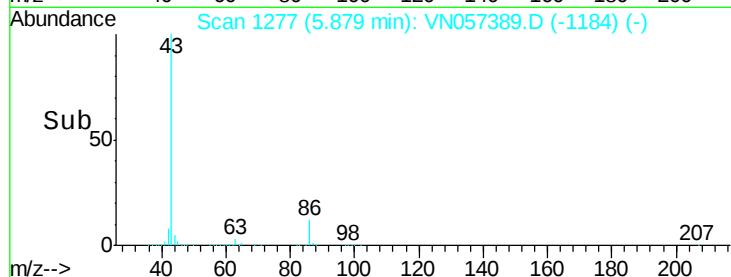
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 18.978 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

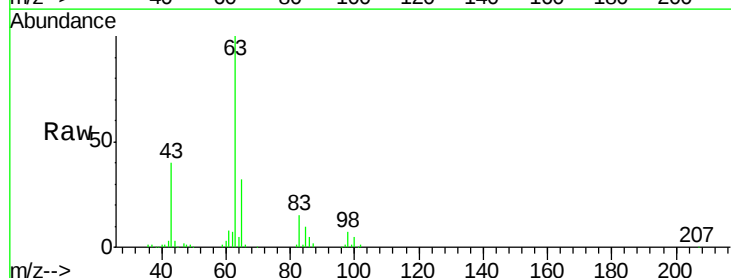
Tgt Ion: 63 Resp: 283098

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

100 4.7 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.84

120000

100000

80000

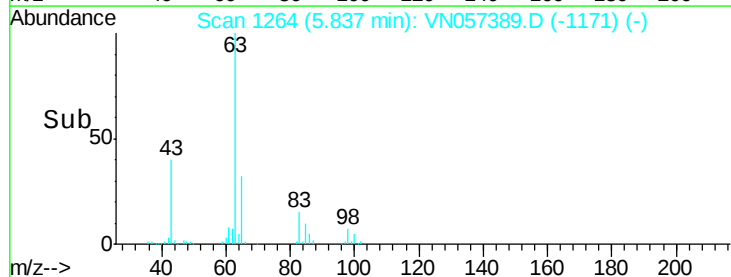
60000

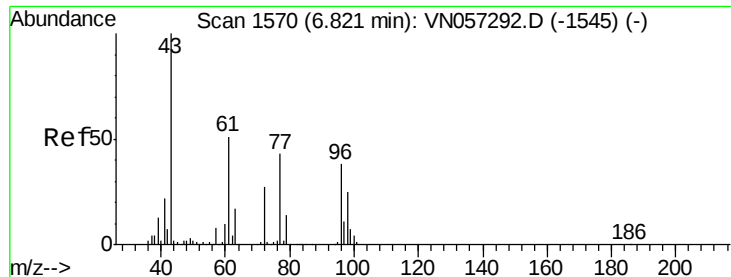
40000

20000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 88.714 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBSD01

Tot Ion: 43 Resp: 422812

Ion Ratio Lower Upper

43 100

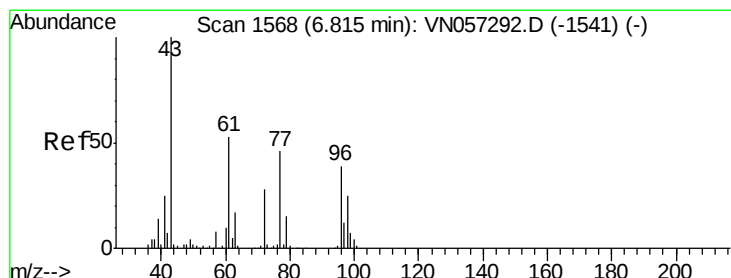
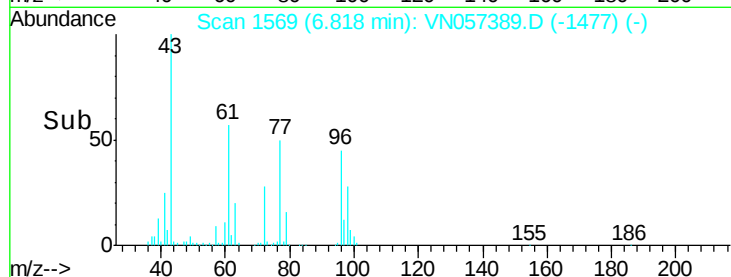
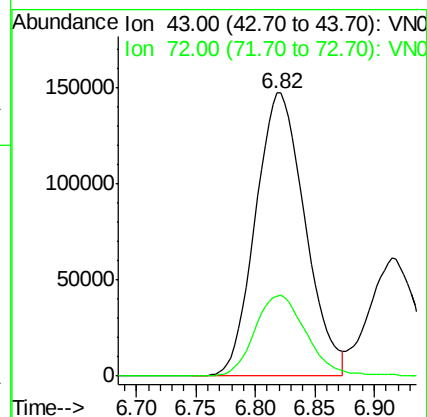
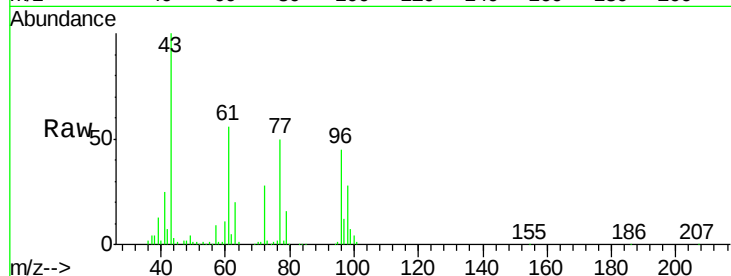
72 28.2 21.5 32.3

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#26

2,2-Dichloropropane

Concen: 19.940 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057389.D

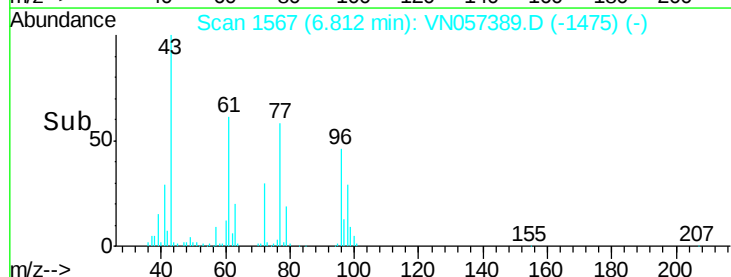
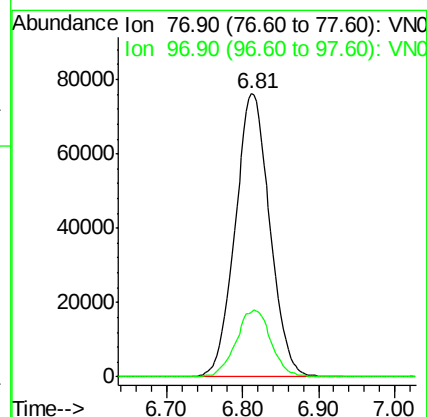
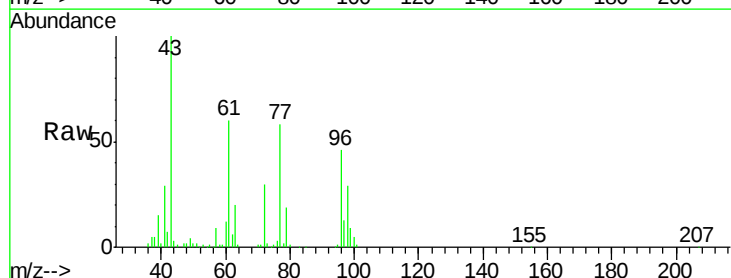
Acq: 19 Aug 2019 10:40

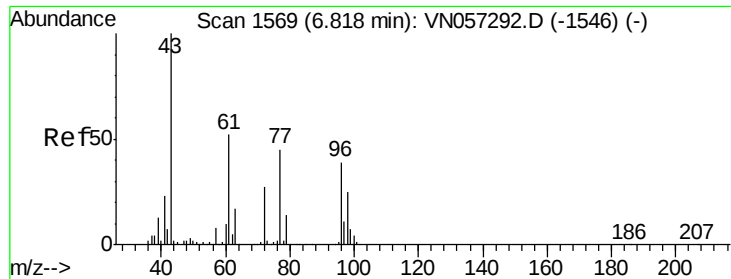
Tgt Ion: 77 Resp: 240394

Ion Ratio Lower Upper

77 100

97 23.8 12.3 36.9





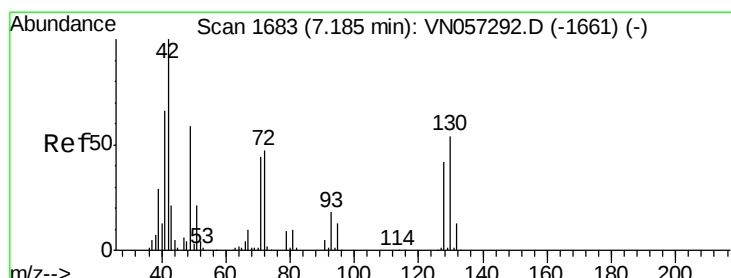
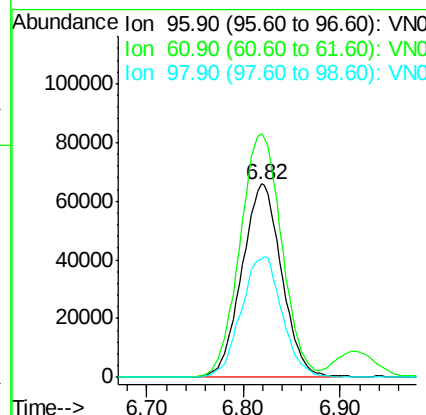
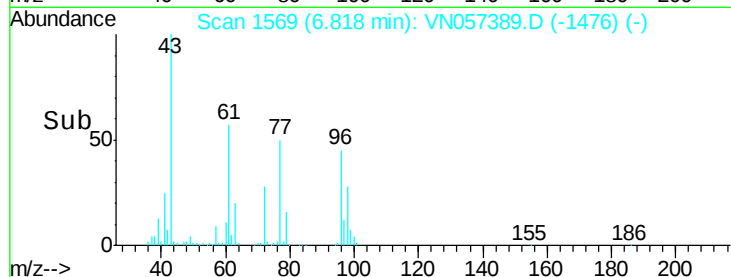
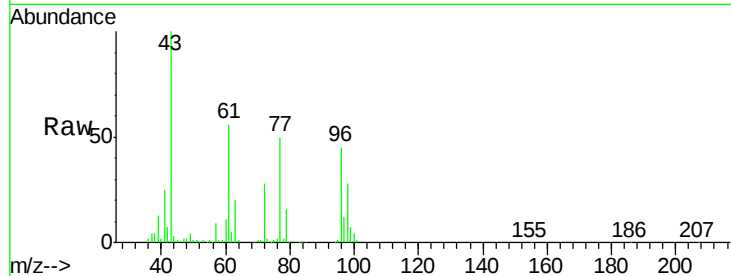
#27
 cis-1,2-Dichloroethene
 Concen: 19.326 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057389.D
 Acq: 19 Aug 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	188405		
61	132.0	0.0	272.0	
98	63.9	0.0	130.4	

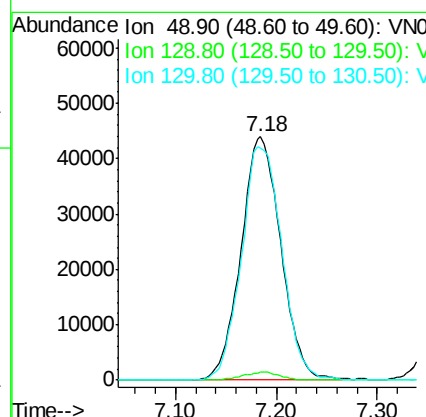
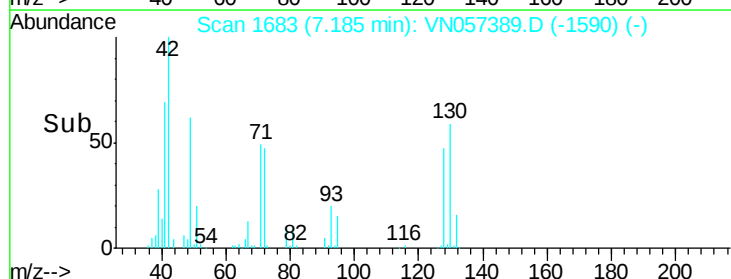
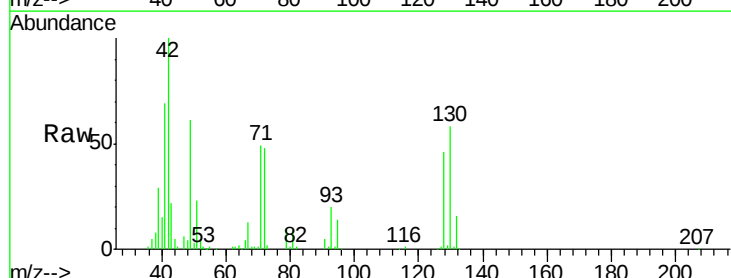
Manual Integrations
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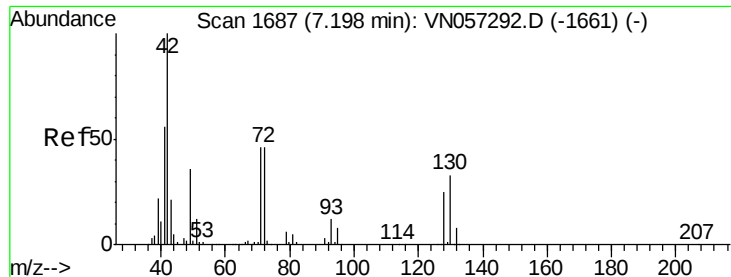
MMDadoda
 8/21/2019 9:45:11 AM



#28
 Bromochloromethane
 Concen: 18.196 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN057389.D
 Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	120603		
129	3.0	0.0	2.0#	
130	97.5	73.2	109.8	





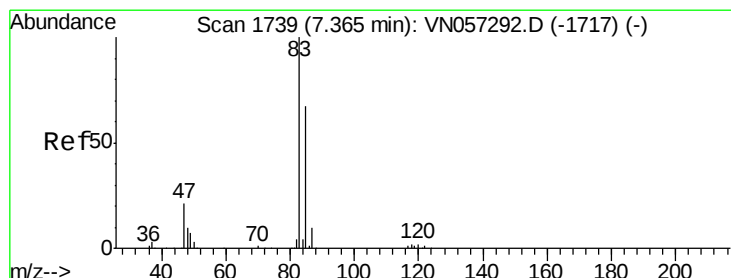
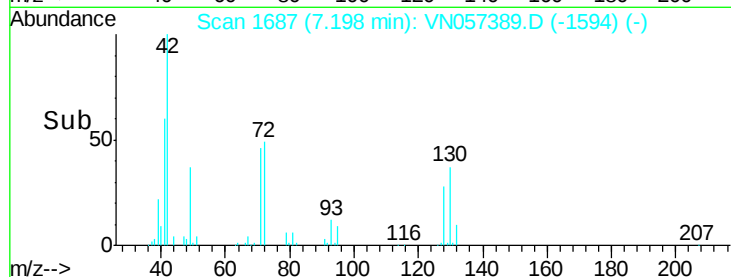
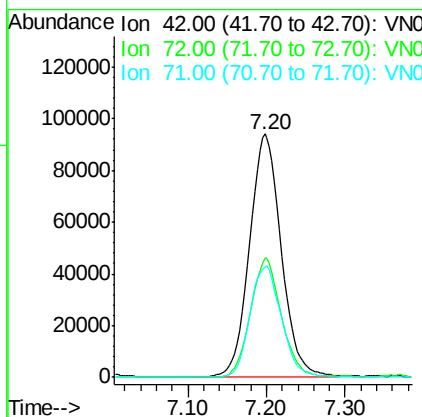
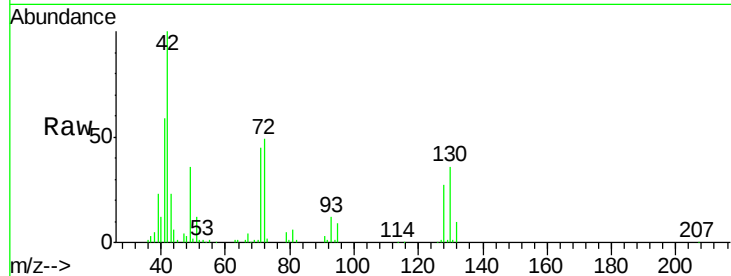
#29
Tetrahydrofuran
Concen: 89.618 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.8	56.6
71	45.3	35.7	53.5

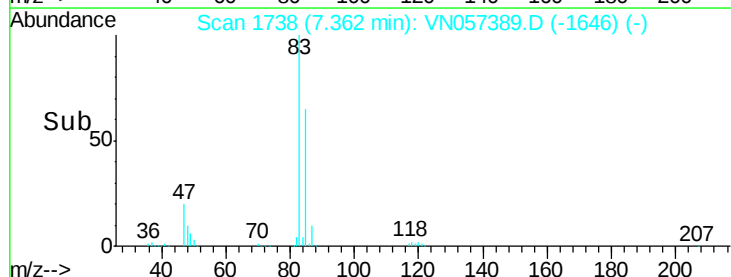
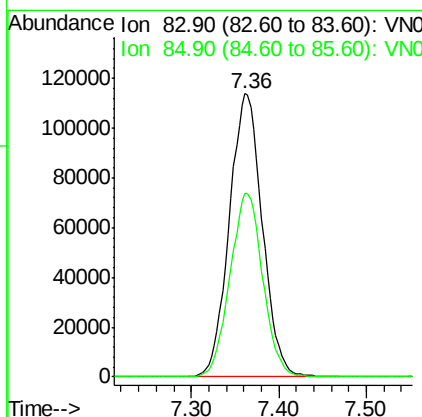
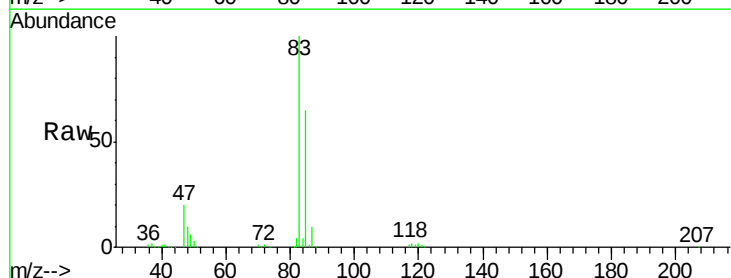
Manual Integrations
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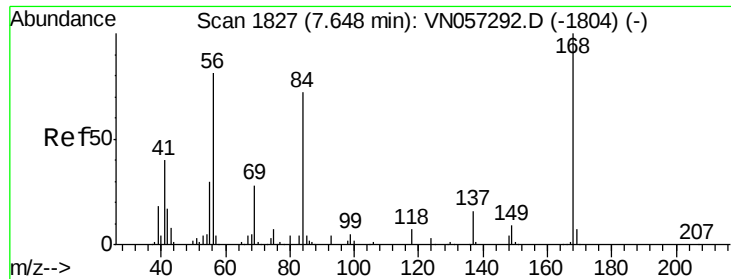
MMDadoda
8/21/2019 9:45:11 AM



#30
Chloroform
Concen: 19.048 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	53.3	79.9





#31

Cyclohexane

Concen: 17.766 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

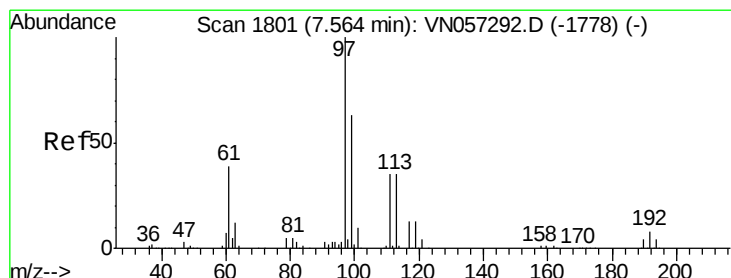
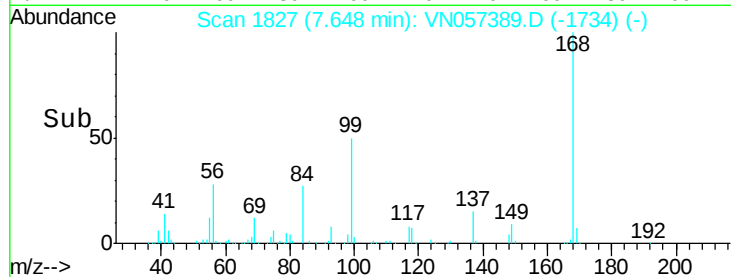
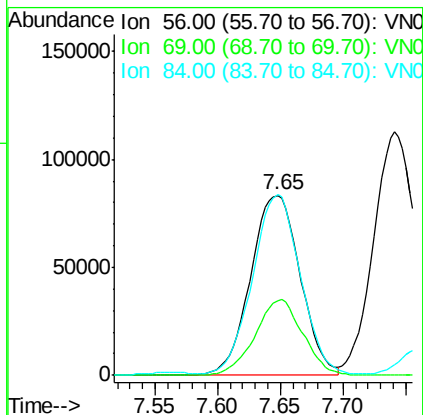
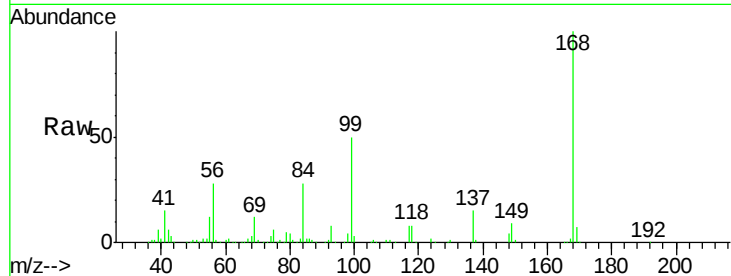
ClientSampleId :

VN0819WBSD01

Tot Ion:	56	Resp:	229666
Ion Ratio	Lower	Upper	
56	100		
69	41.7	27.3	40.9#
84	99.2	71.0	106.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.737 ug/l

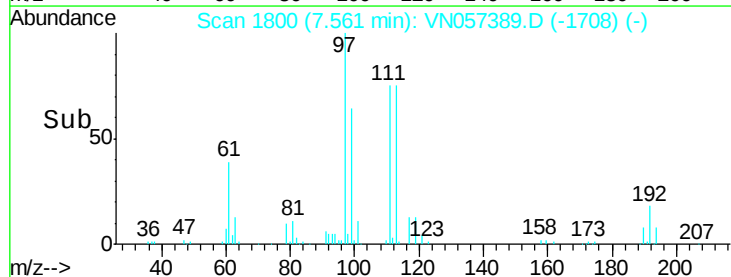
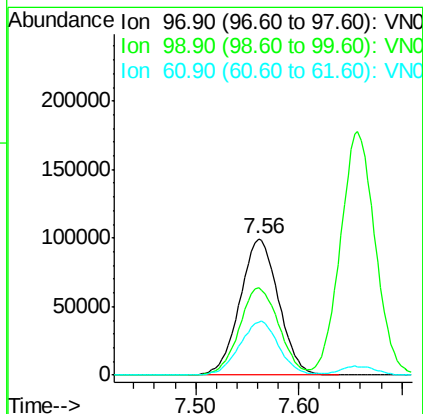
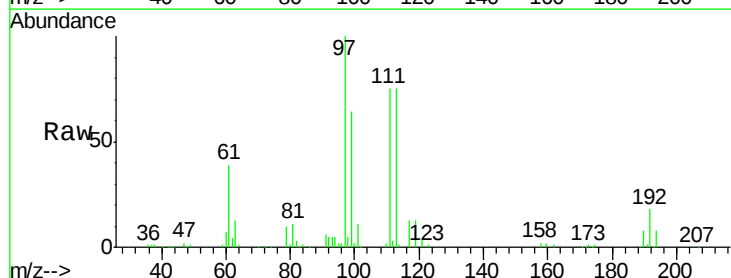
RT: 7.56 min Scan# 1800

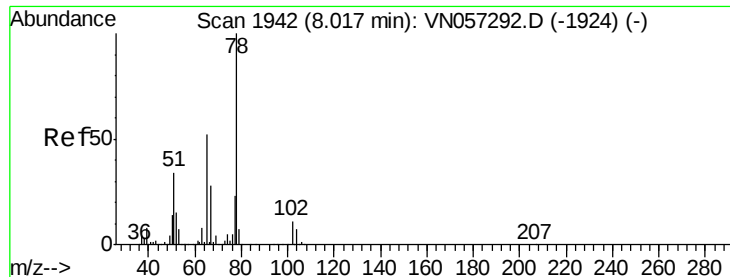
Delta R.T. -0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Tgt Ion:	97	Resp:	259510
Ion Ratio	Lower	Upper	
97	100		
99	65.3	50.3	75.5
61	39.9	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 45.726 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBSD01

Tot Ion: 65 Resp: 433827

Ion Ratio Lower Upper

65 100

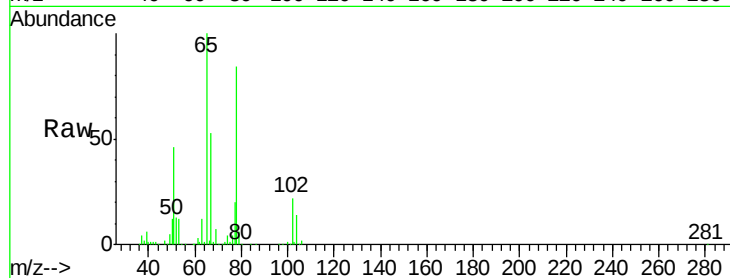
67 52.7 0.0 107.4

Manual Integrations

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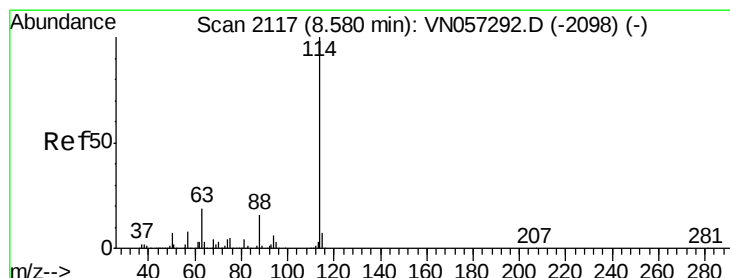
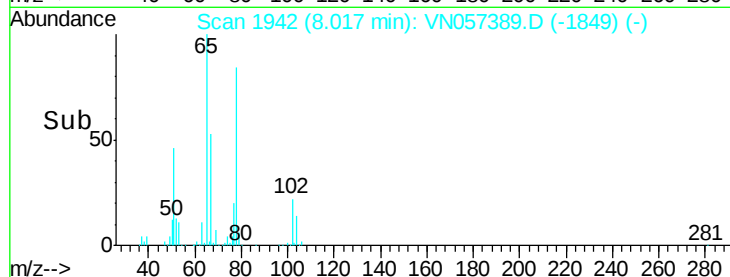
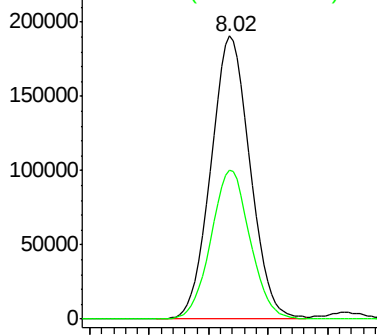
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

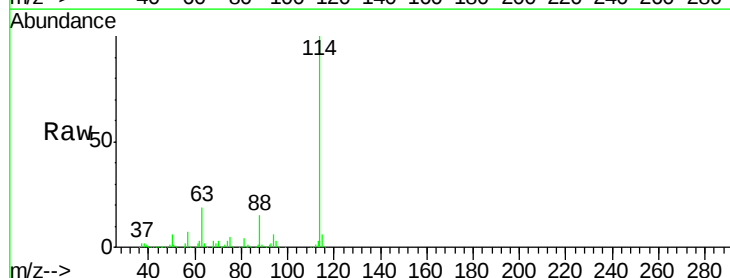
Tgt Ion: 114 Resp: 1271162

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.8

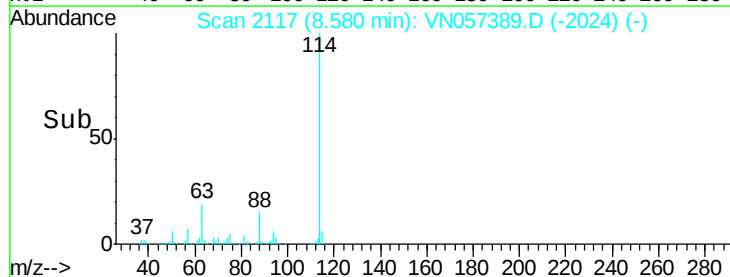
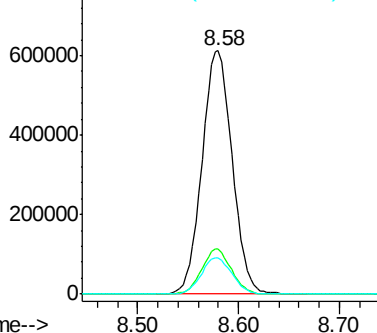
88 15.0 0.0 31.4

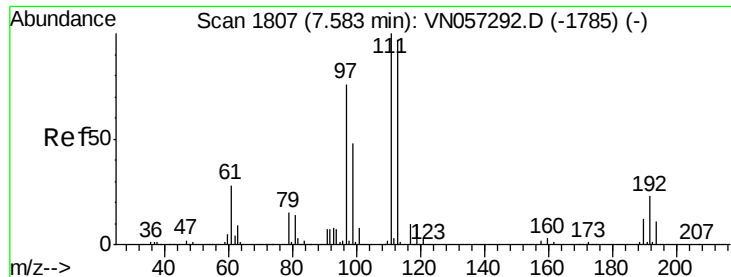


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





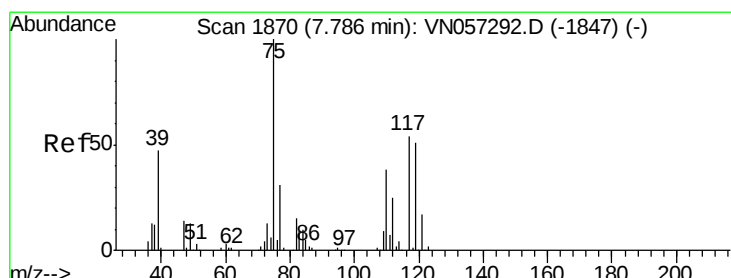
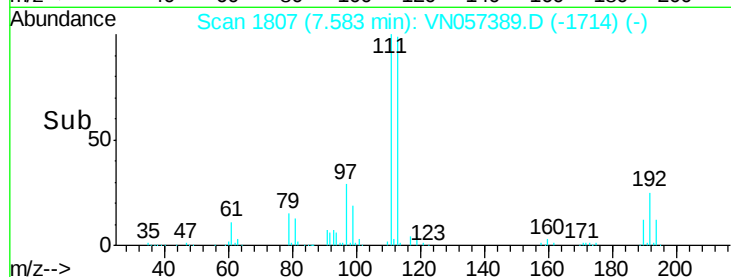
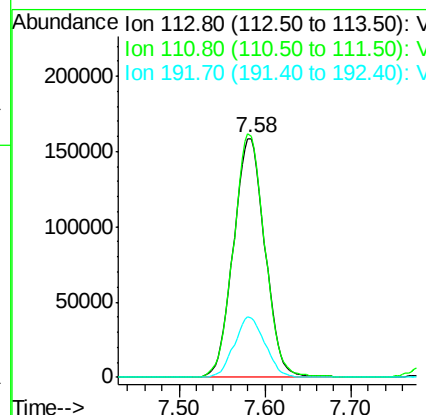
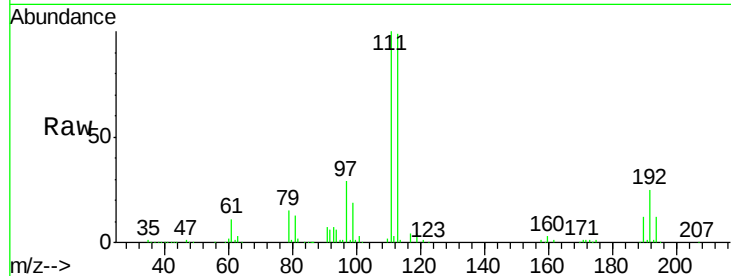
#35
 Dibromofluoromethane
 Concen: 48.554 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057389.D
 Acq: 19 Aug 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	404589		
111	100.7	82.1	123.1	
192	24.6	19.3	28.9	

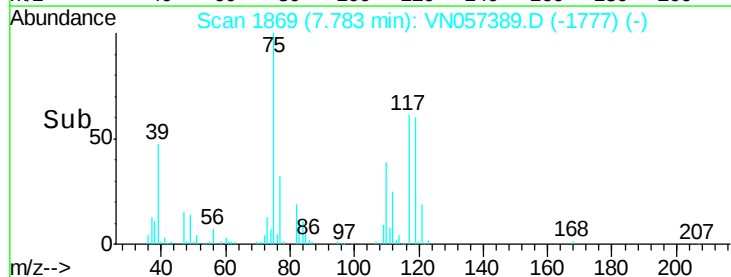
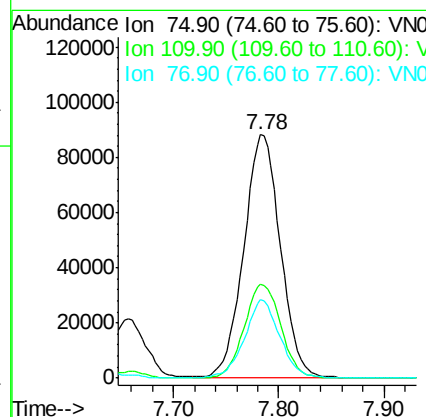
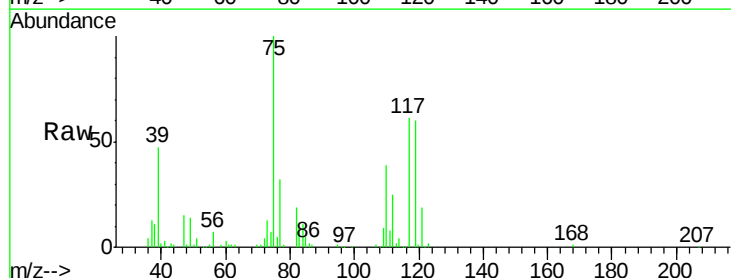
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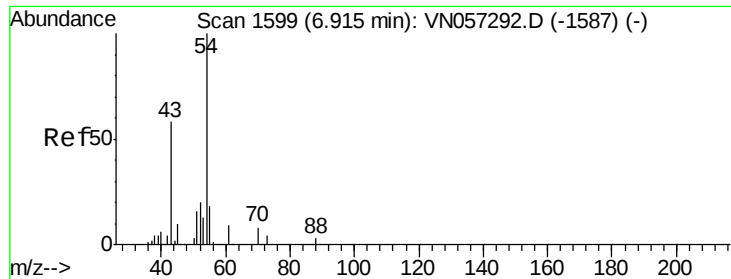
MMDadoda
 8/21/2019 9:45:11 AM



#36
 1,1-Dichloropropene
 Concen: 18.881 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN057389.D
 Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	211915		
110	38.9	19.5	58.5	
77	31.2	25.0	37.6	





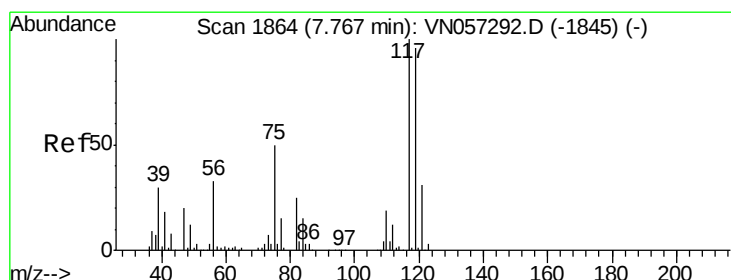
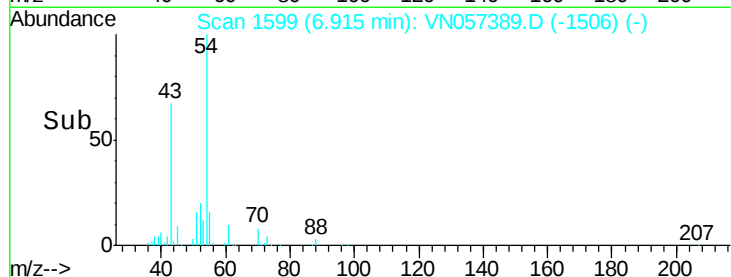
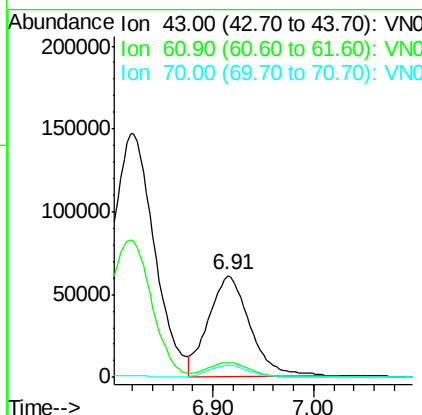
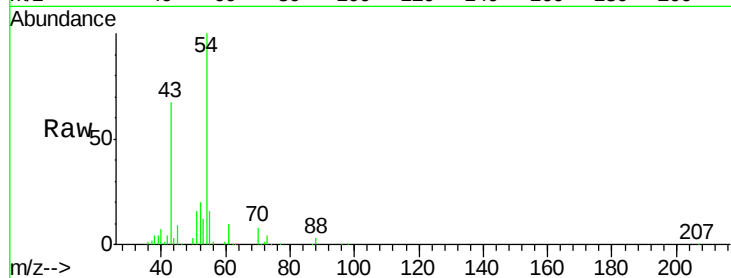
#37
Ethyl Acetate
Concen: 18.866 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.0	18.0
70	11.5	9.2	13.8

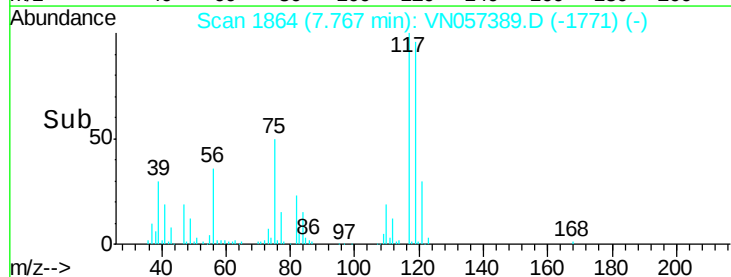
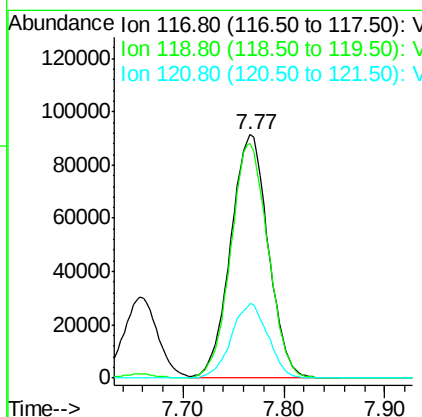
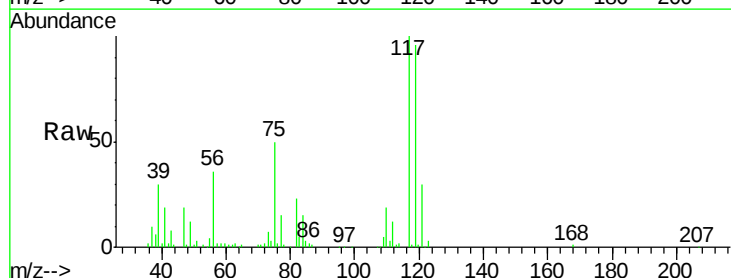
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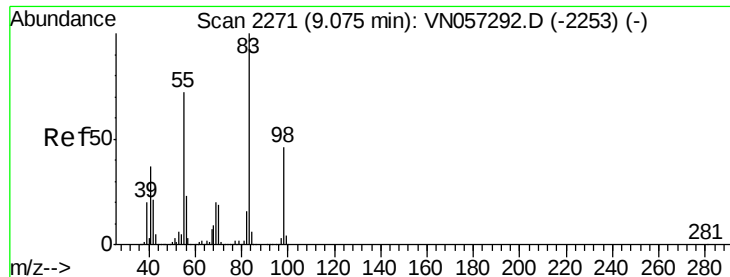
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#38
Carbon Tetrachloride
Concen: 20.267 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.8	115.2
121	30.4	25.0	37.4





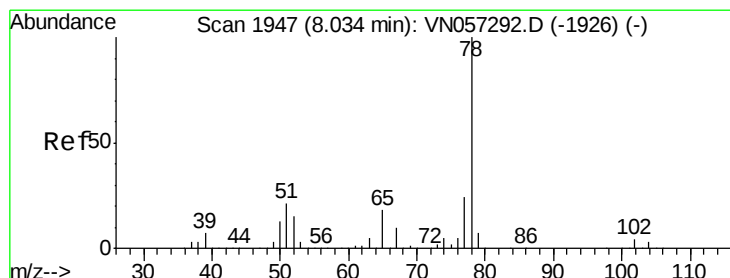
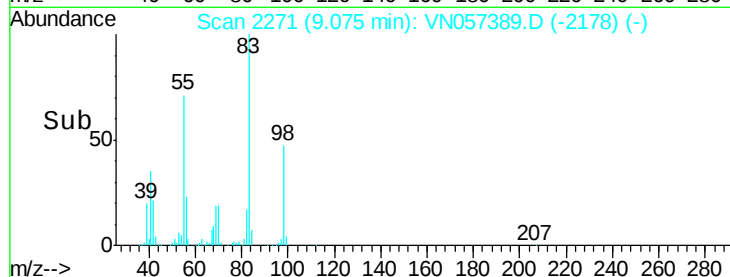
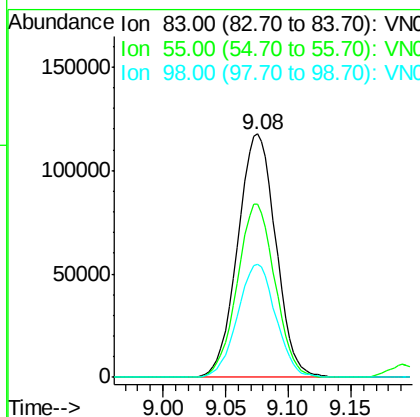
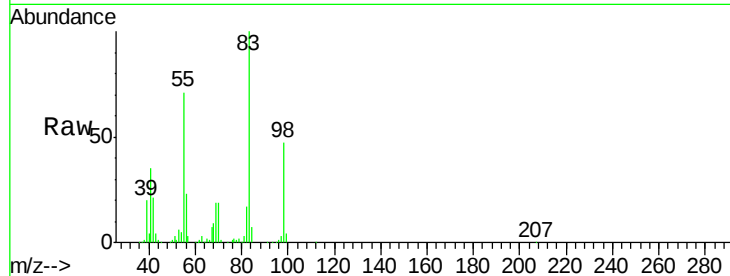
#39
Methvlcvclohexane
Concen: 18.997 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	57.5	86.3
98	46.7	36.6	55.0

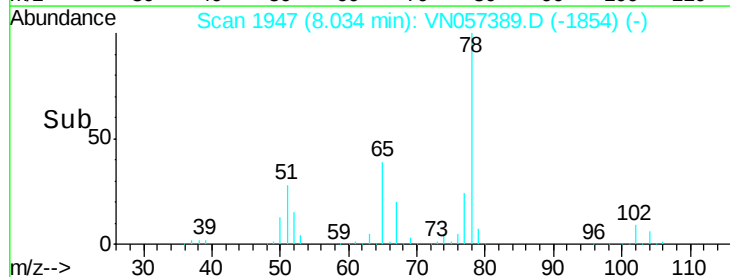
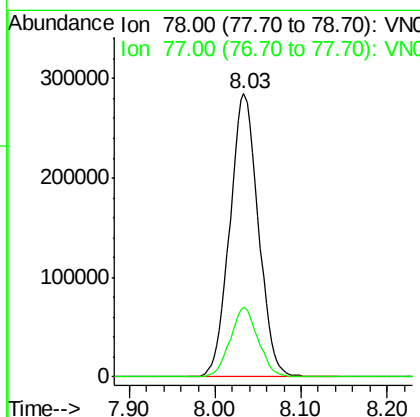
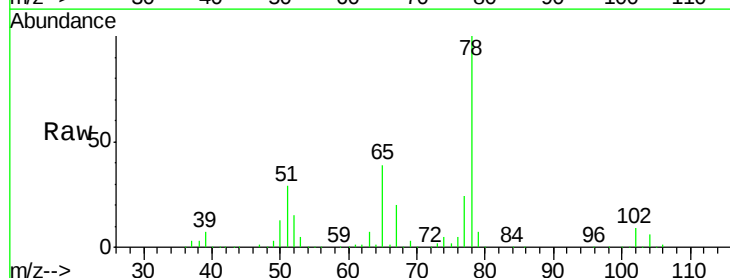
Manual Integrations
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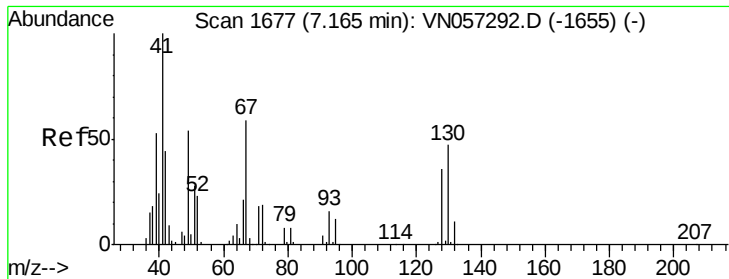
MMDadoda
8/21/2019 9:45:11 AM



#40
Benzene
Concen: 19.106 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7





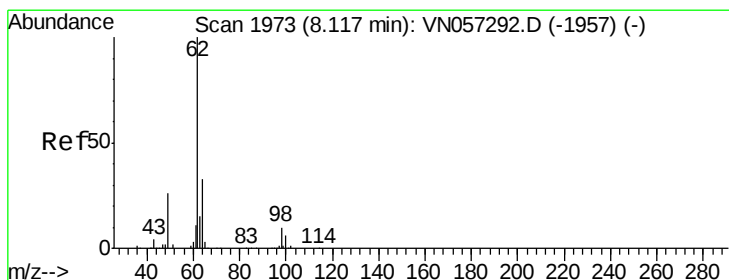
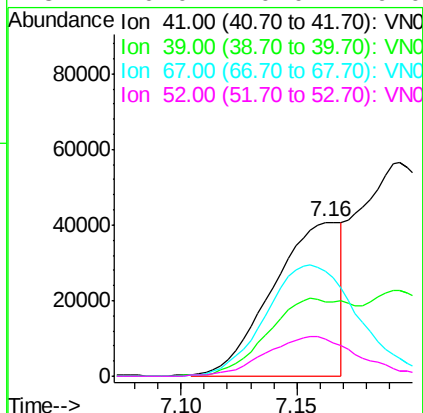
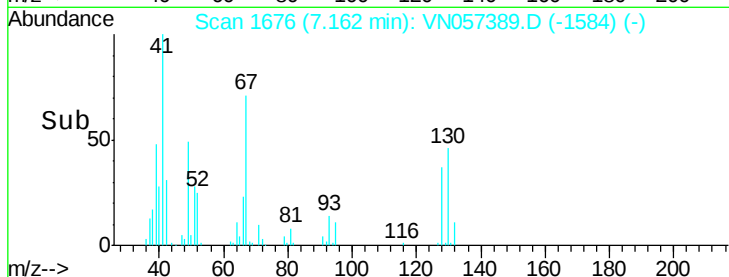
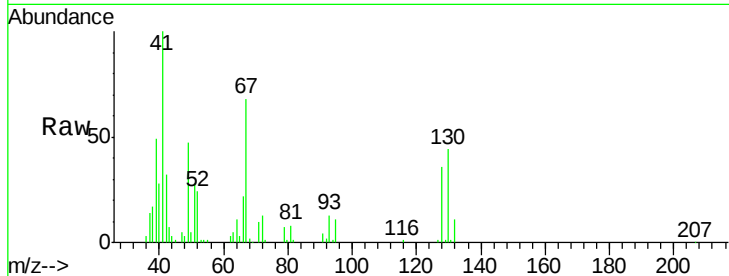
#41
Methacrylonitrile
Concen: 20.059 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion	41	Resp	83039
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

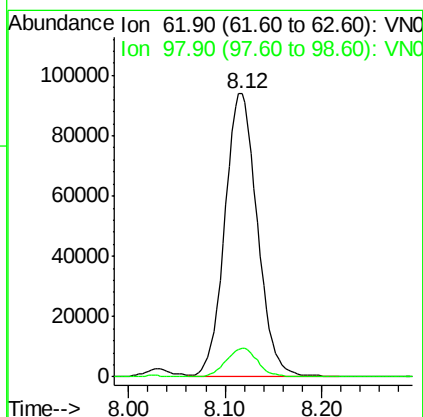
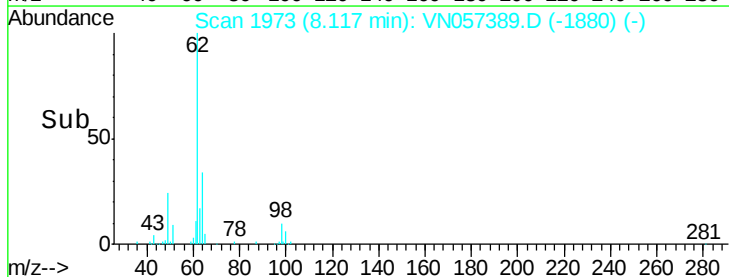
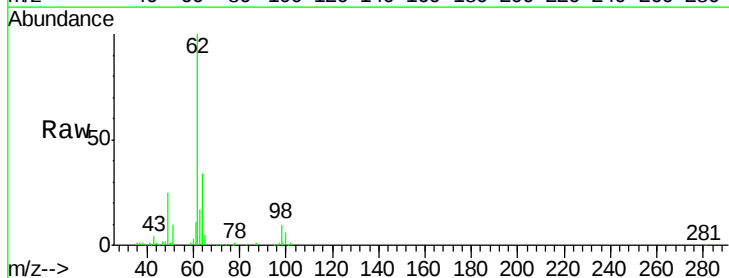
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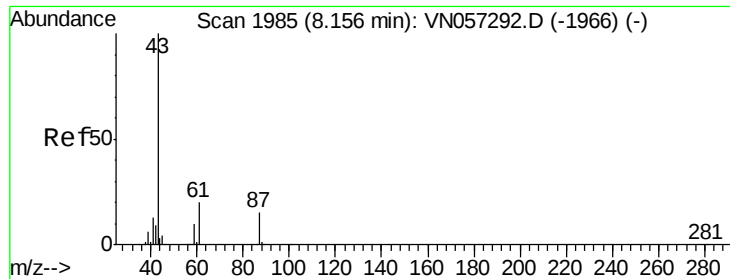
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.270 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	62	Resp	218945
Ion Ratio	Lower	Upper	
62	100		
98	9.8	0.0	19.4





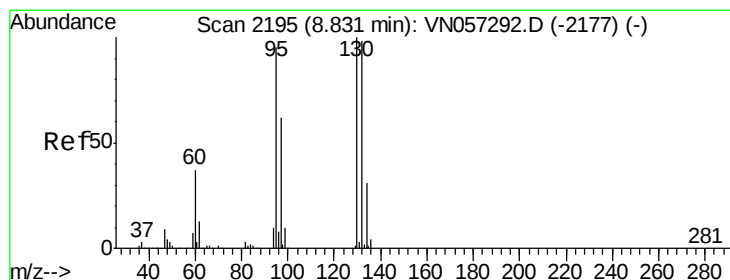
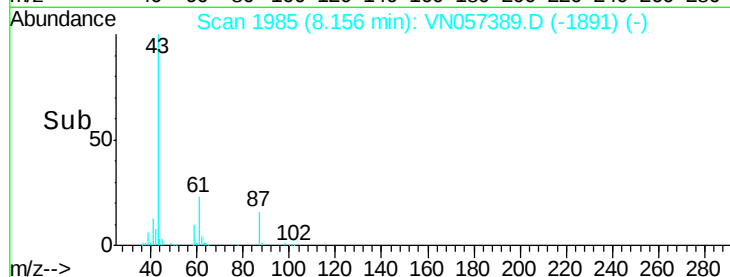
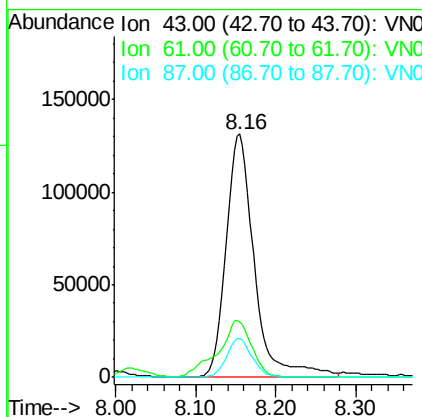
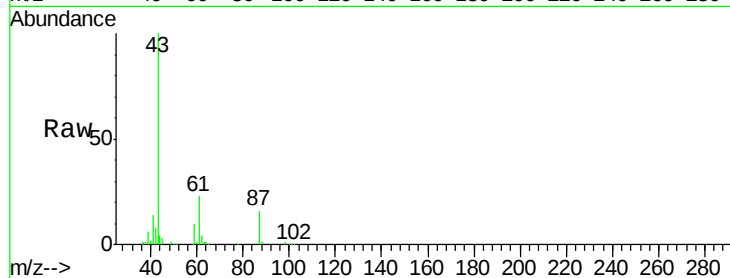
#43
Isopropyl Acetate
Concen: 18.035 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampled :
VN0819WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	21.6	32.4
87	14.3	11.4	17.0

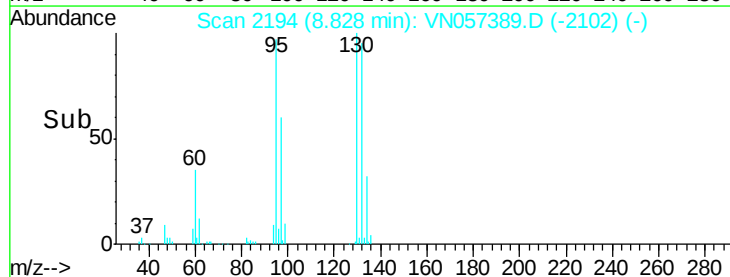
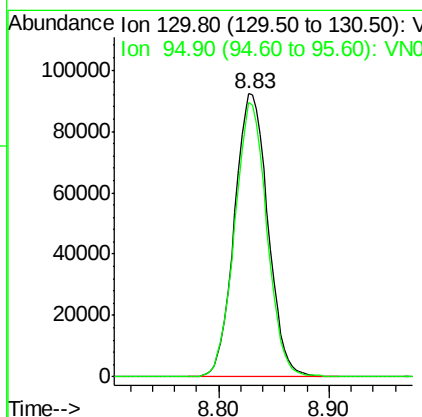
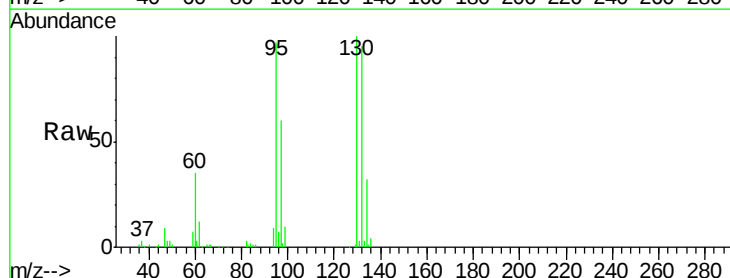
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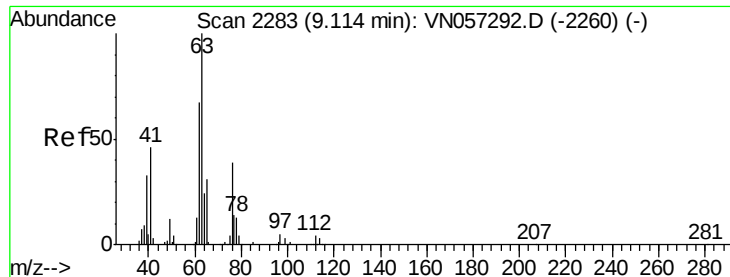
MMDadoda
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#44
Trichloroethene
Concen: 20.069 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	189.2





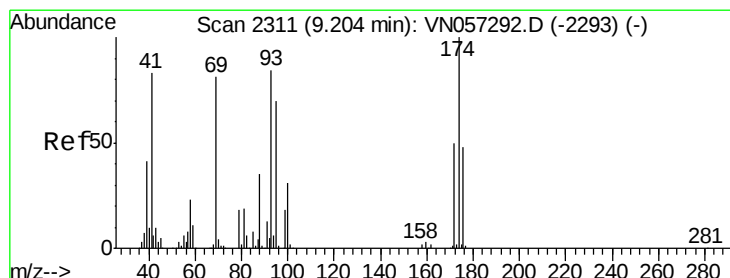
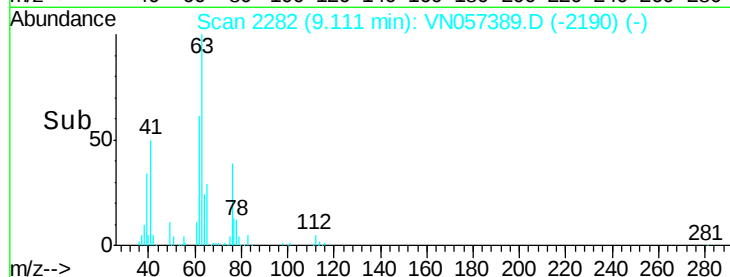
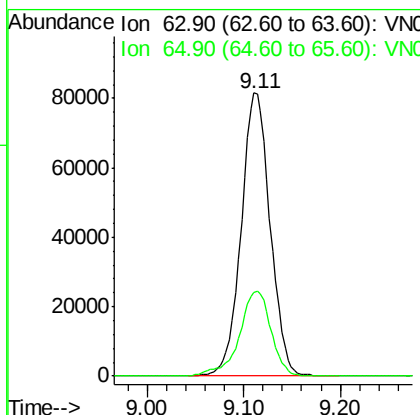
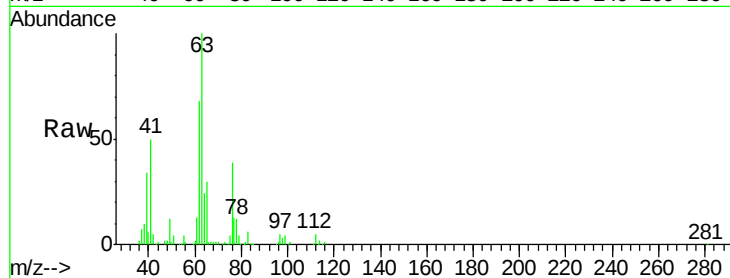
#45
 1,2-Dichloropropane
 Concen: 19.179 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057389.D
 Acq: 19 Aug 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.8	37.2

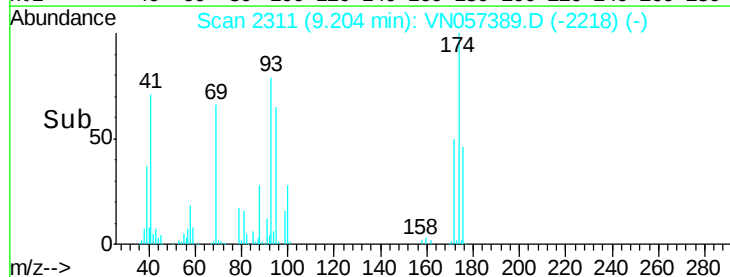
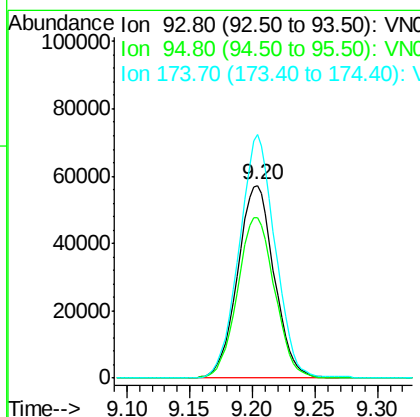
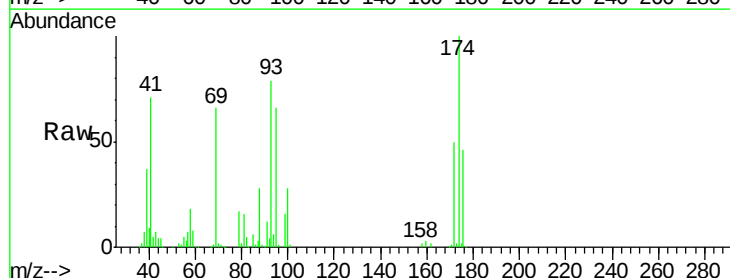
Manual Integrations
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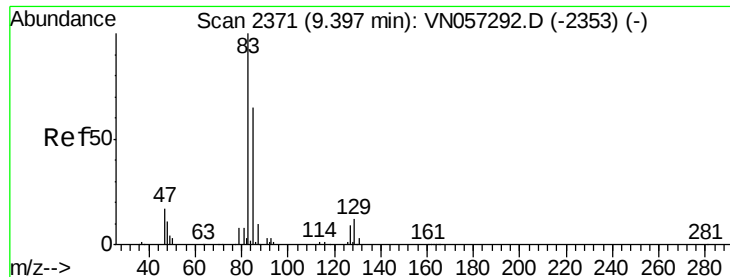
MMDadoda
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#46
 Dibromomethane
 Concen: 19.707 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057389.D
 Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.5	99.7
174	124.0	95.7	143.5





#47

Bromodichloromethane

Concen: 19.557 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

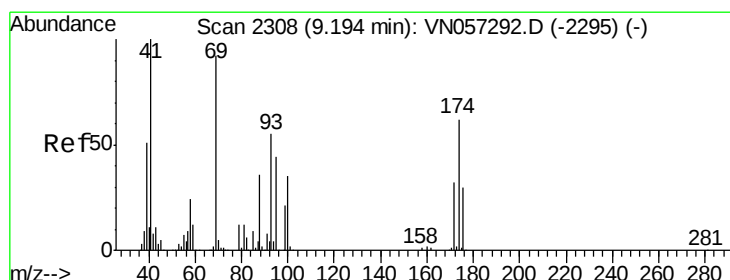
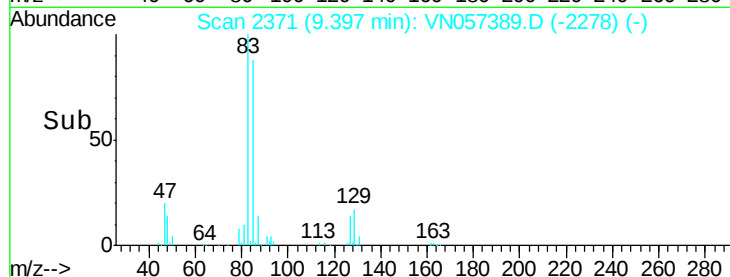
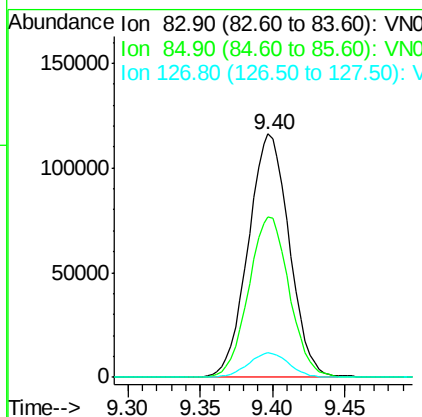
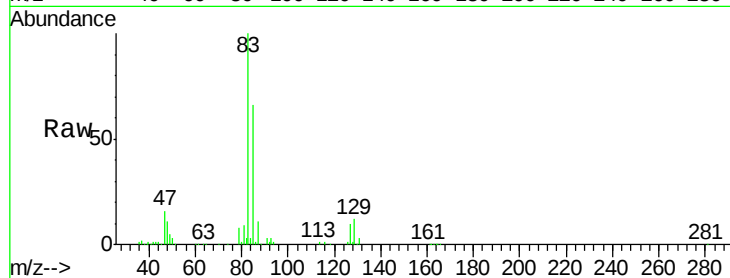
ClientSampleId :

VN0819WBSD01

Tot Ion:	83	Resp:	228734
Ion Ratio	Lower	Upper	
83	100		
85	66.1	51.9	77.9
127	10.2	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.359 ug/l

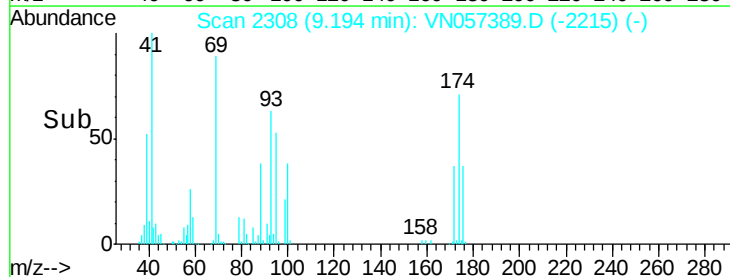
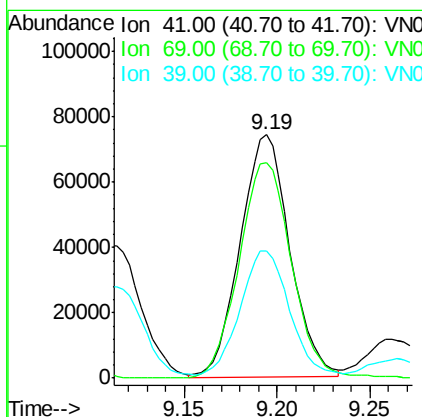
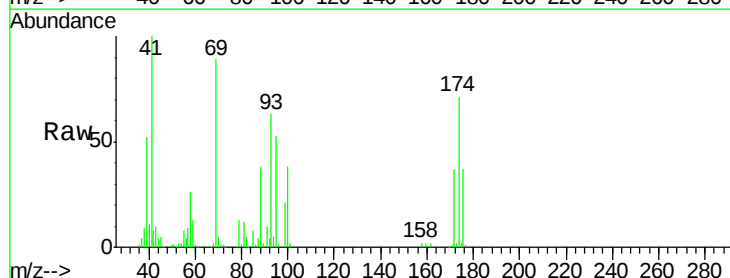
RT: 9.19 min Scan# 2308

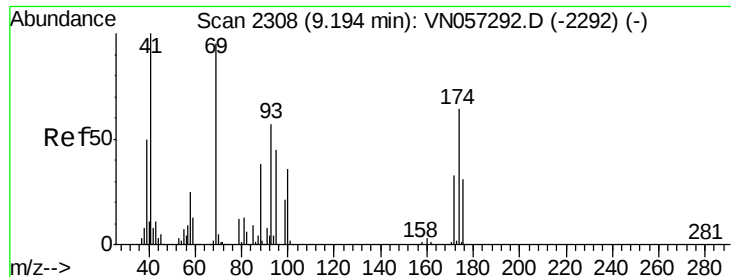
Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Tgt Ion:	41	Resp:	138977
Ion Ratio	Lower	Upper	
41	100		
69	94.2	75.9	113.9
39	53.2	42.3	63.5





#49

1,4-Dioxane

Concen: 379.067 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

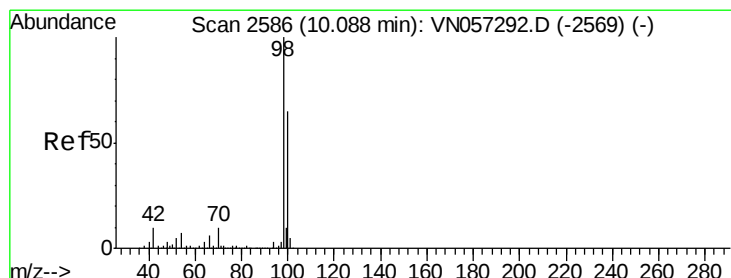
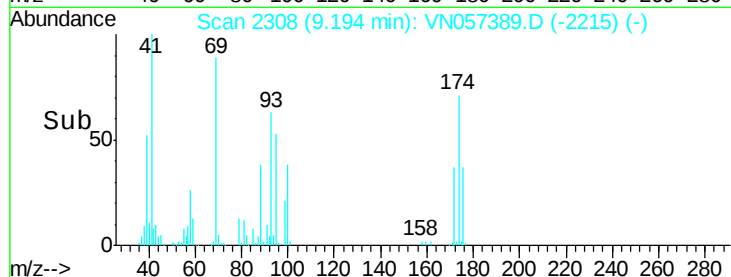
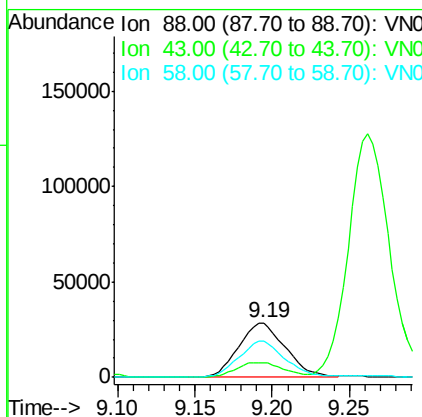
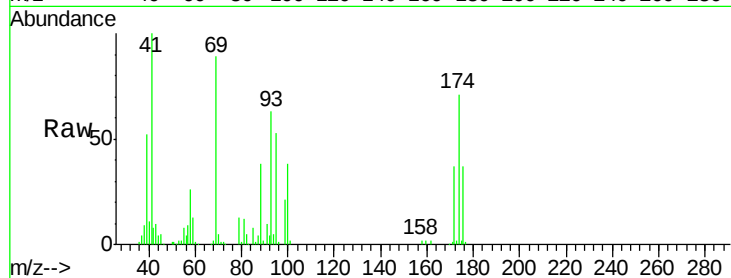
ClientSampleId :

VN0819WBSD01

Tot Ion:	88	Resp:	60344
Ion	Ratio	Lower	Upper
88	100		
43	26.4	22.9	34.3
58	65.8	52.7	79.1

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#50

Toluene-d8

Concen: 47.946 ug/l

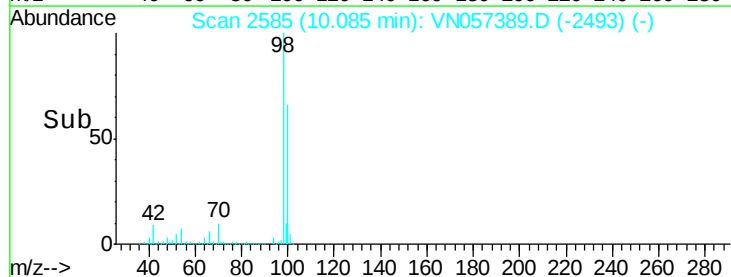
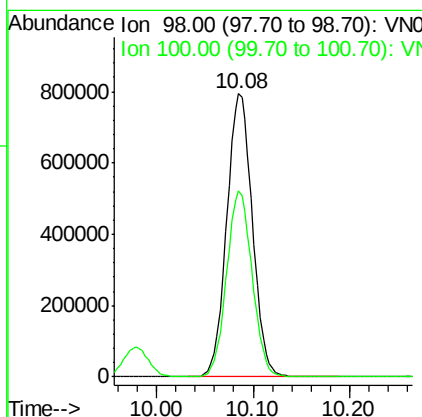
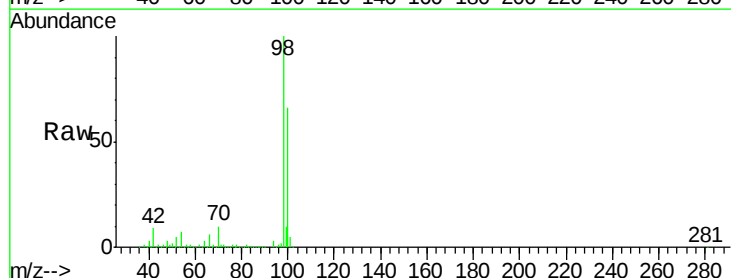
RT: 10.08 min Scan# 2585

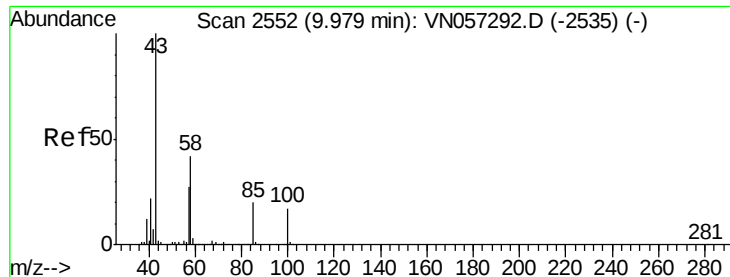
Delta R.T. -0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Tgt Ion:	98	Resp:	1461252
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 88.600 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBSD01

Tot Ion: 43 Resp: 840234

Ion Ratio Lower Upper

43 100

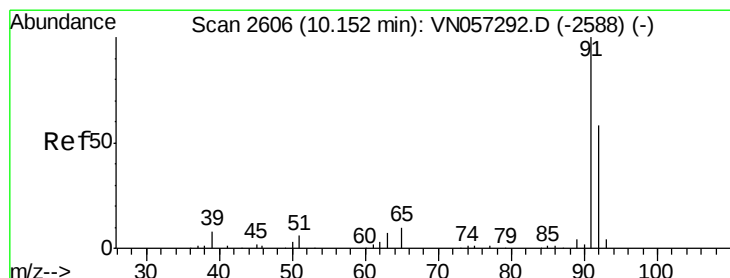
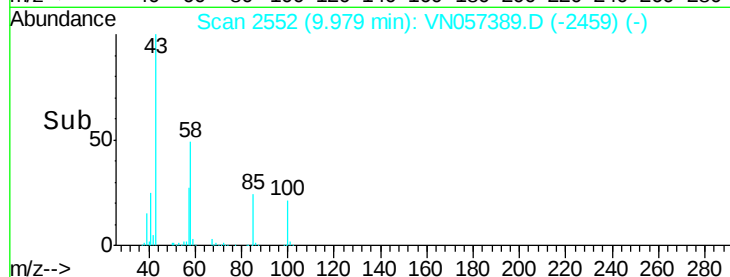
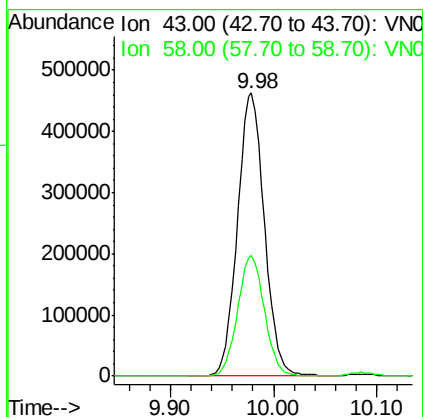
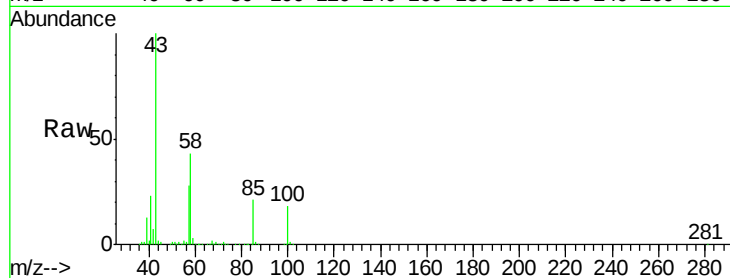
58 42.5 33.2 49.8

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#52

Toluene

Concen: 19.872 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057389.D

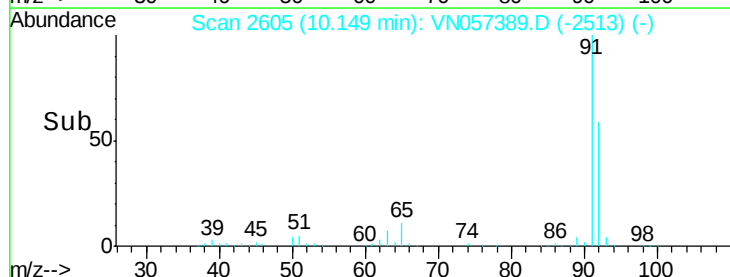
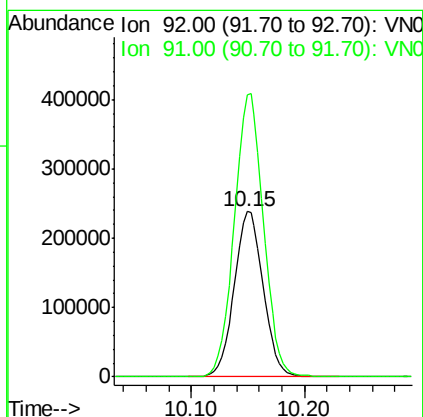
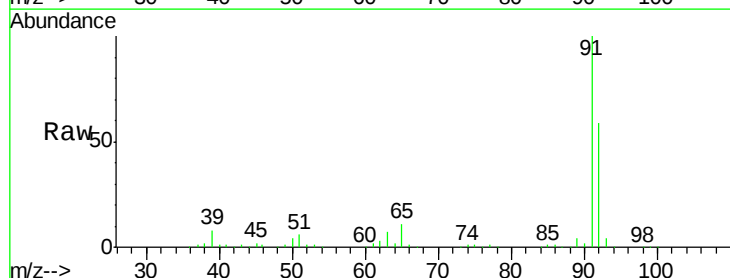
Acq: 19 Aug 2019 10:40

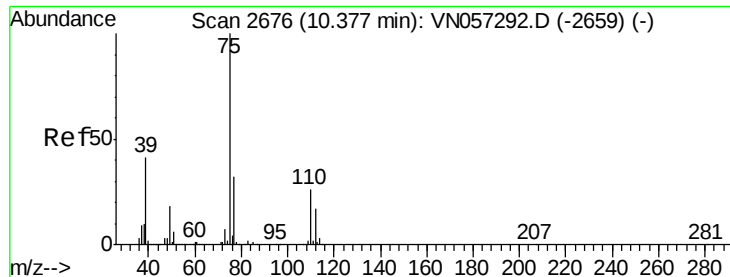
Tgt Ion: 92 Resp: 424596

Ion Ratio Lower Upper

92 100

91 172.6 138.9 208.3





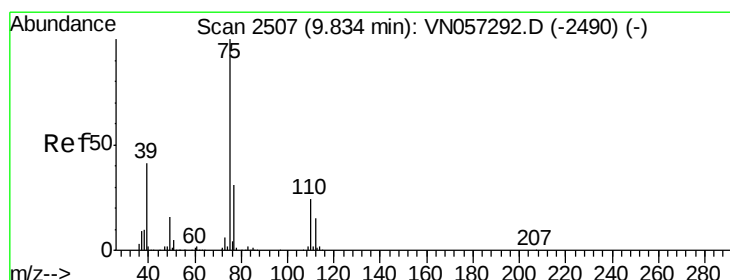
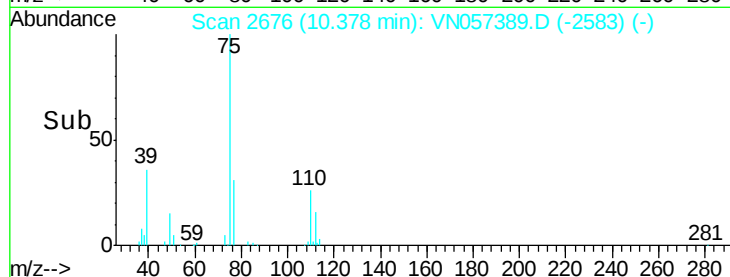
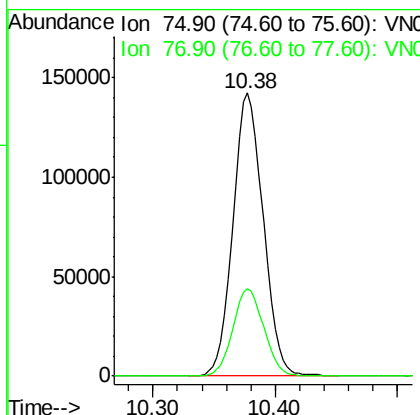
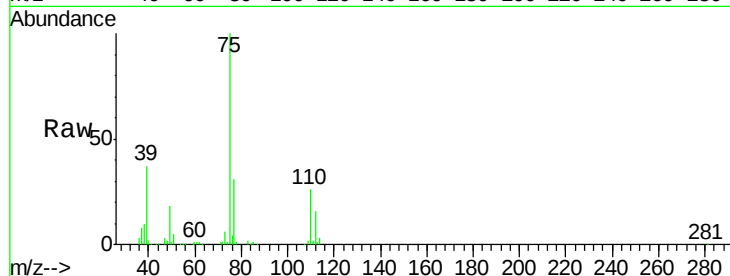
#53
t-1,3-Dichloropropene
Concen: 19.357 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.5	38.3

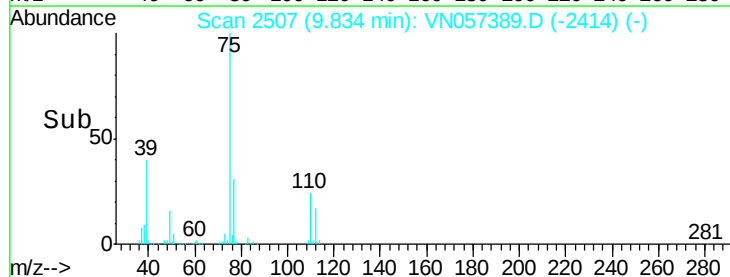
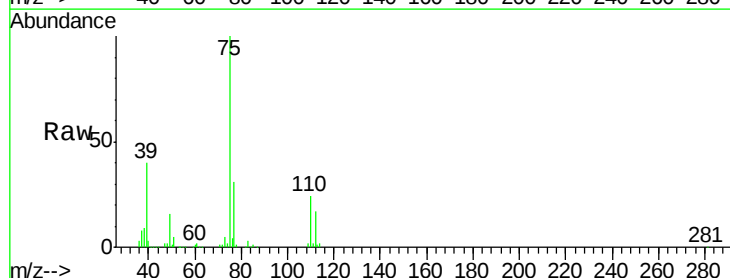
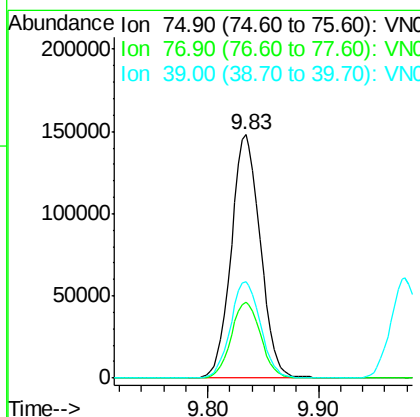
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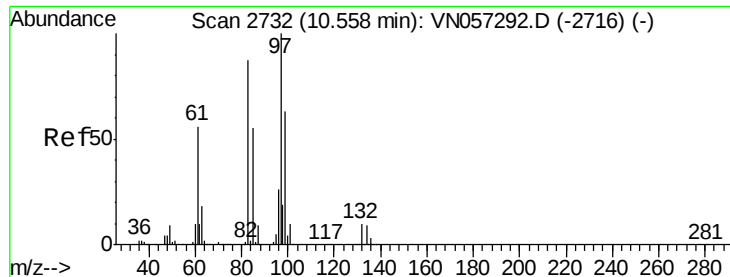
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#54
cis-1,3-Dichloropropene
Concen: 19.368 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.9	37.3
39	39.8	32.7	49.1





#55

1,1,2-Trichloroethane

Concen: 19.869 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

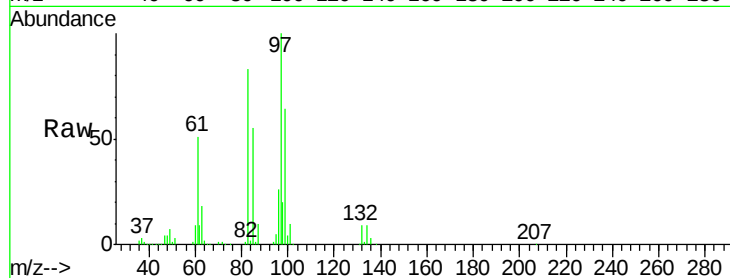
ClientSampleId :

VN0819WBSD01

Tot Ion:	97	Resp:	166939
Ion	Ratio	Lower	Upper
97	100		
83	83.5	69.8	104.8
85	55.4	44.1	66.1
99	64.4	50.2	75.2

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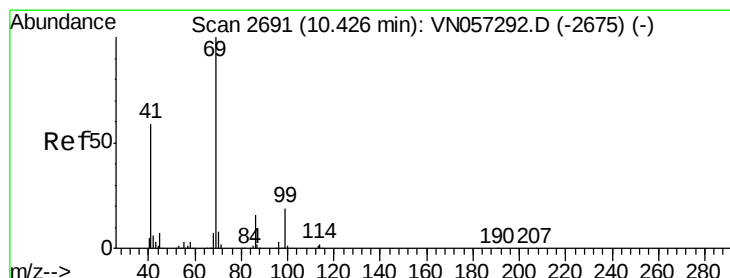
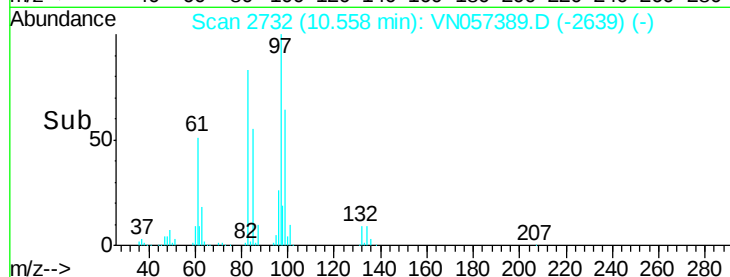
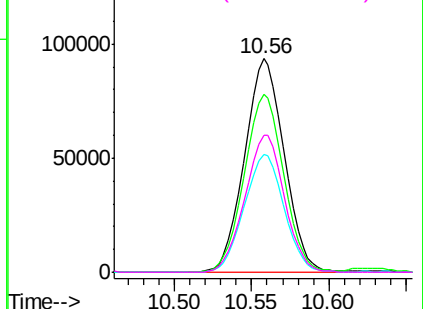


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.921 ug/l

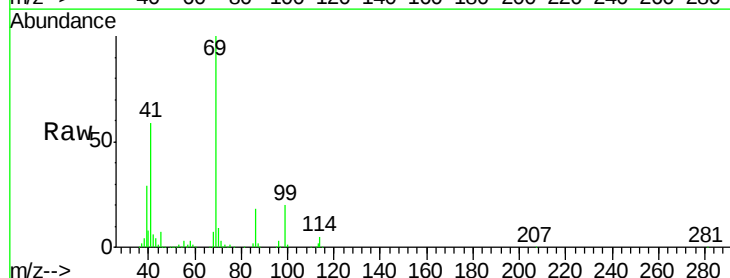
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

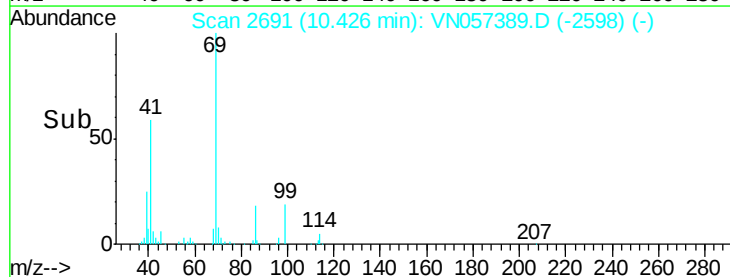
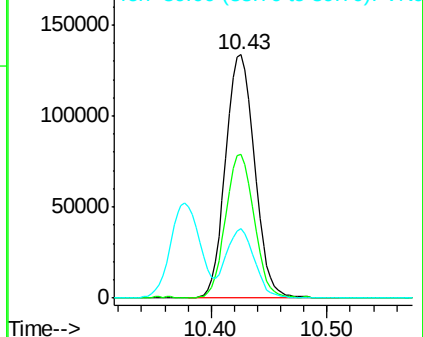
Tgt Ion:	69	Resp:	232003
Ion	Ratio	Lower	Upper
69	100		
41	58.2	48.2	72.2
39	27.8	23.4	35.0

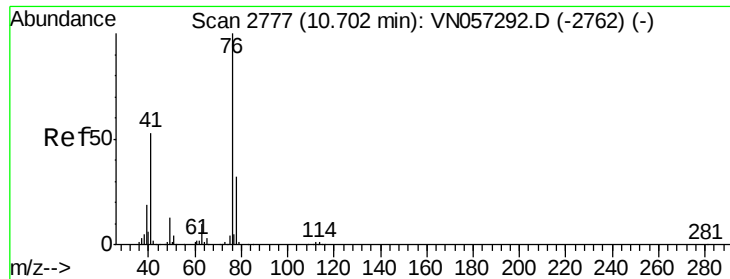


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.490 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampled :

VN0819WBSD01

Tot Ion: 76 Resp: 27354

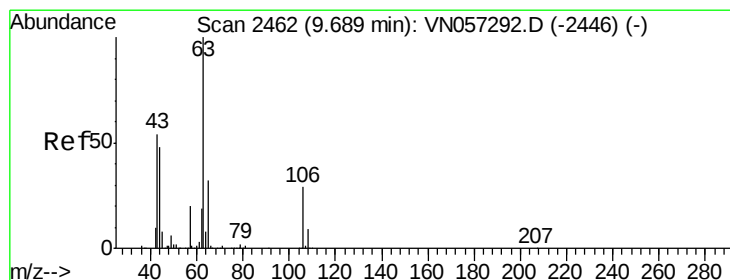
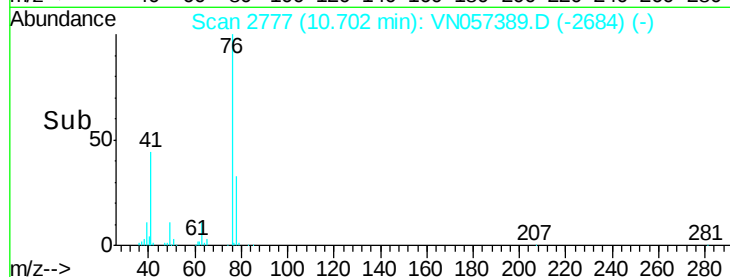
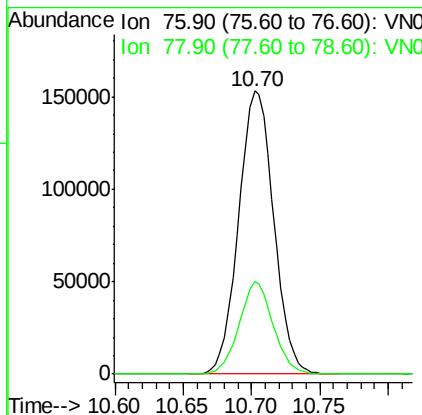
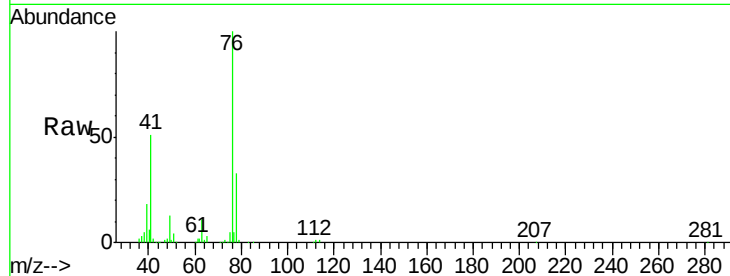
Ion Ratio Lower Upper

76 100

78 31.7 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 79.614 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057389.D

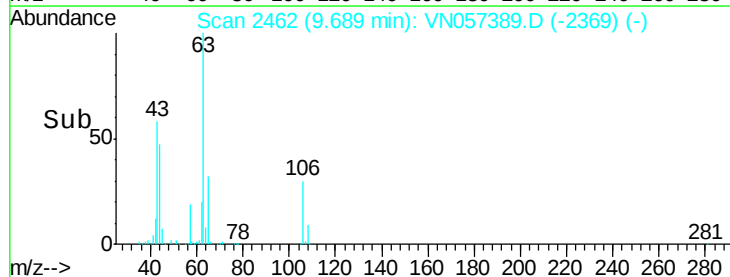
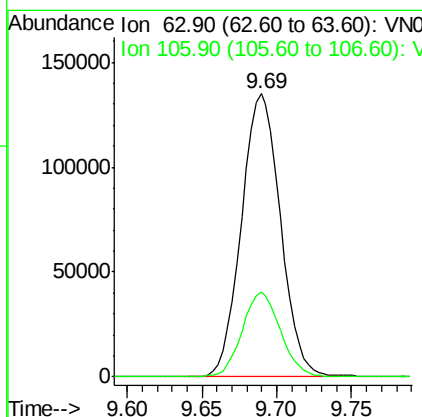
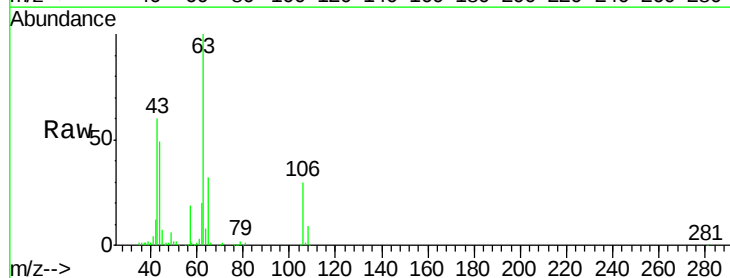
Acq: 19 Aug 2019 10:40

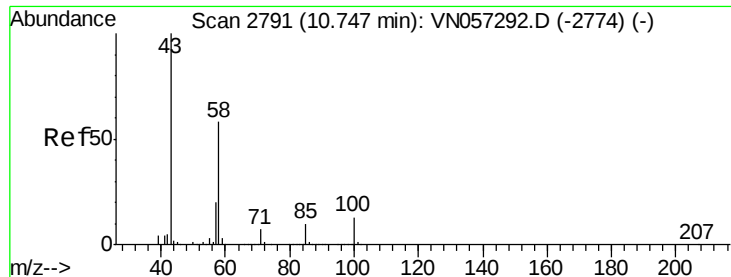
Tgt Ion: 63 Resp: 245375

Ion Ratio Lower Upper

63 100

106 29.4 23.2 34.8





#59

2-Hexanone

Concen: 87.631 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBSD01

Tot Ion: 43 Resp: 597460

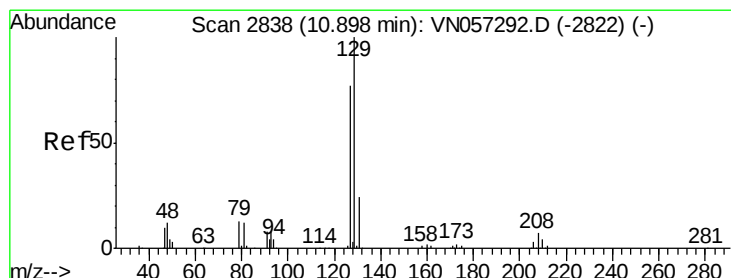
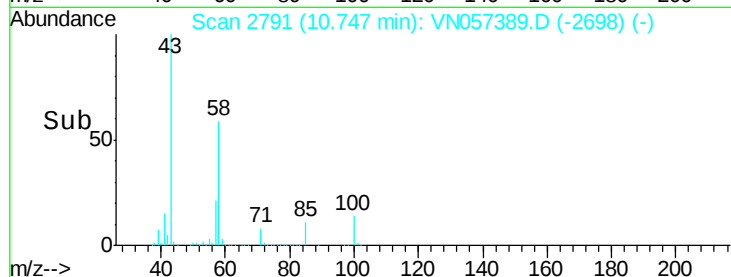
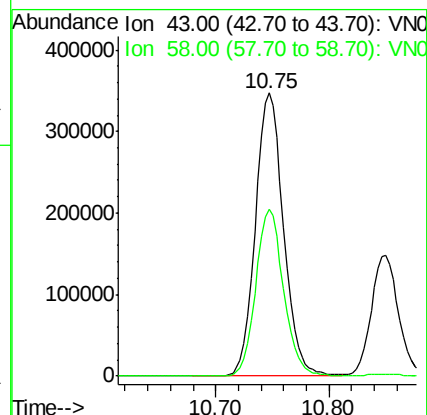
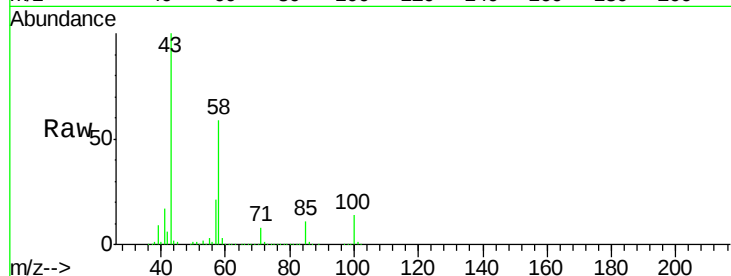
Ion Ratio Lower Upper

43 100

58 58.6 28.6 85.9

Manual Integrations
APPROVED

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#60

Dibromochloromethane

Concen: 20.197 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057389.D

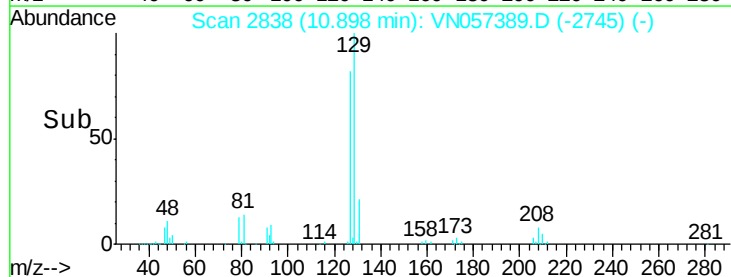
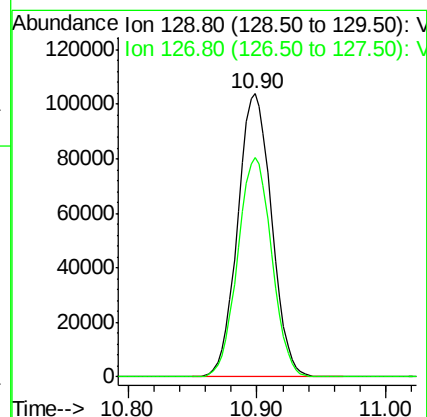
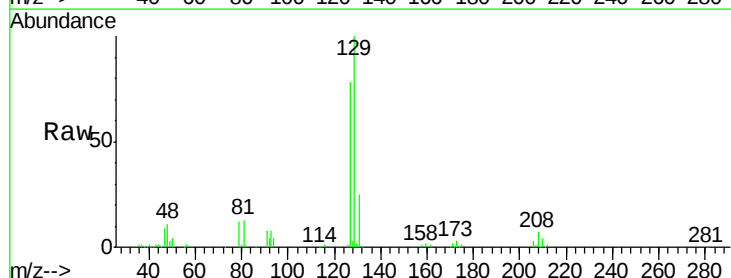
Acq: 19 Aug 2019 10:40

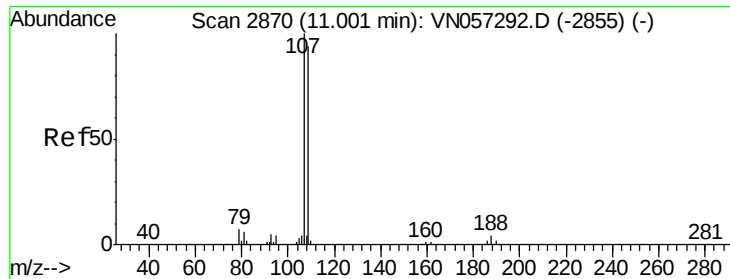
Tgt Ion: 129 Resp: 190162

Ion Ratio Lower Upper

129 100

127 77.6 39.0 116.9





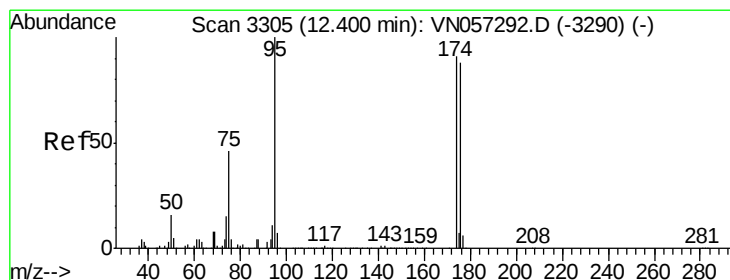
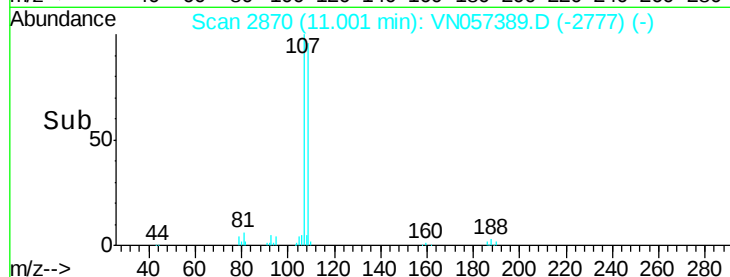
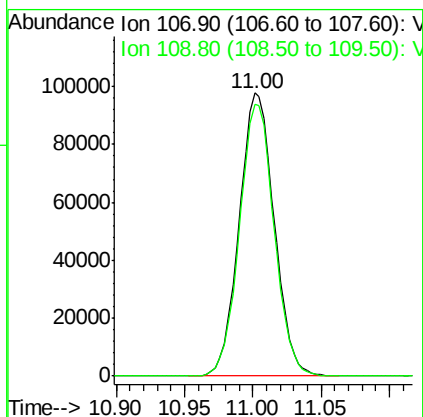
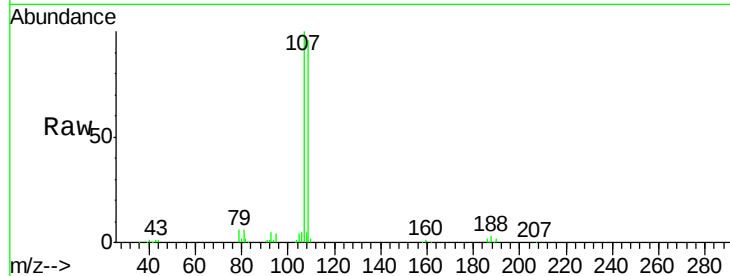
#61
 1,2-Dibromoethane
 Concen: 19.409 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057389.D
 Acq: 19 Aug 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBSD01

Tot Ion: 107 Resp: 173712
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.7 113.5

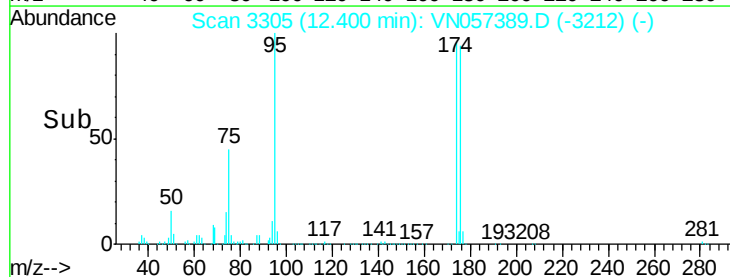
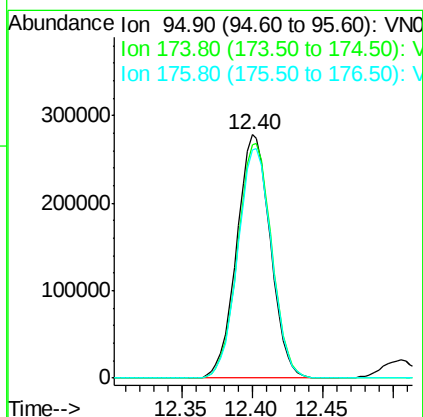
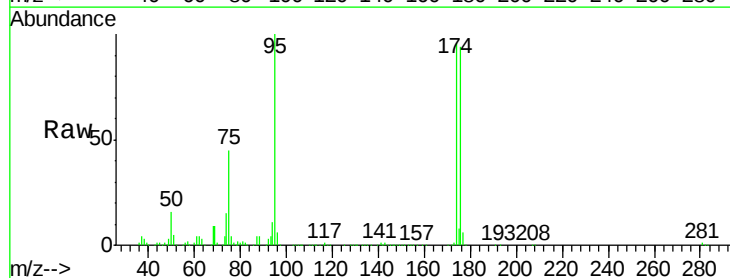
Manual Integrations
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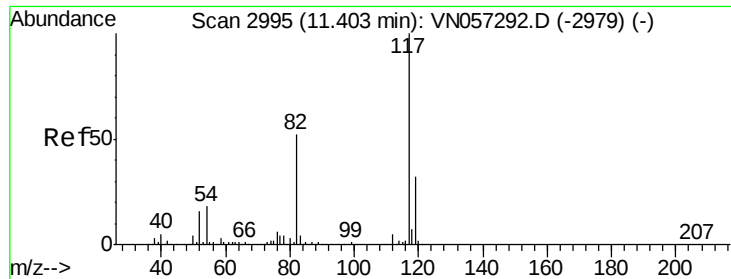
MMDadoda
 8/21/2019 9:45:11 AM



#62
 4-Bromofluorobenzene
 Concen: 43.254 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057389.D
 Acq: 19 Aug 2019 10:40

Tgt Ion: 95 Resp: 465864
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 185.0
 176 94.8 0.0 181.0





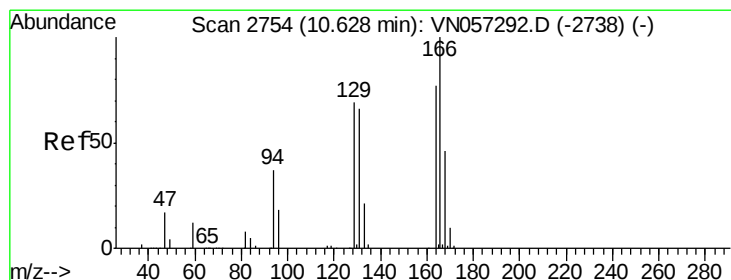
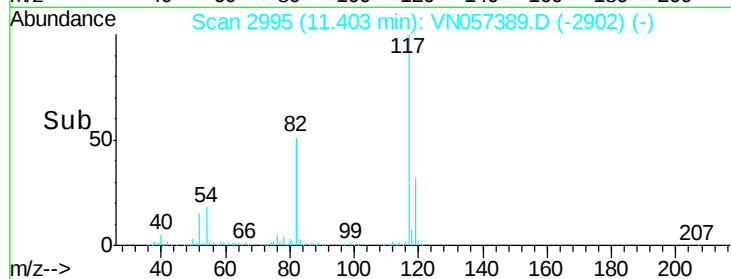
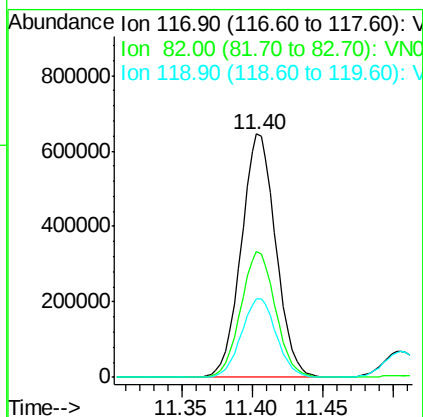
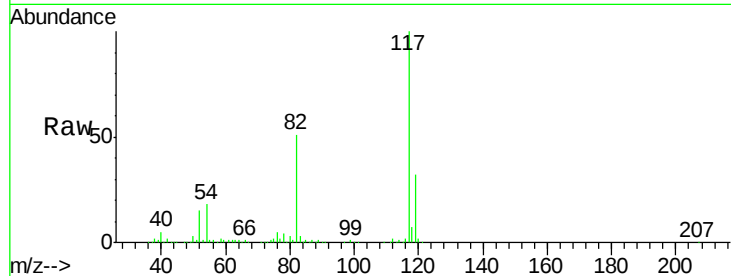
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.2	61.8
119	32.3	25.8	38.8

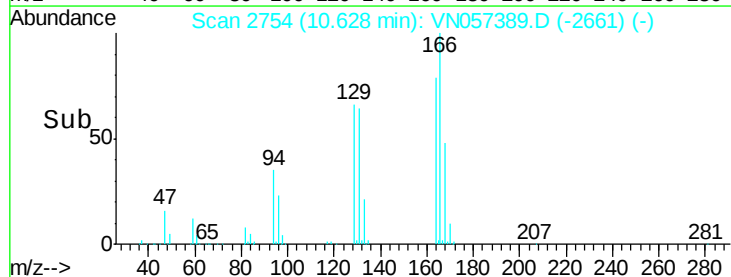
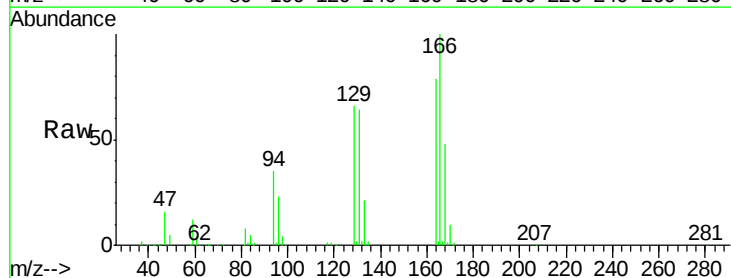
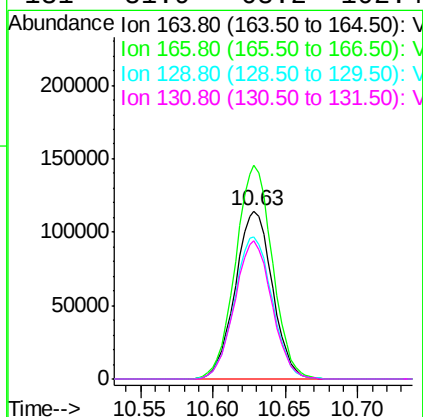
Manual Integrations
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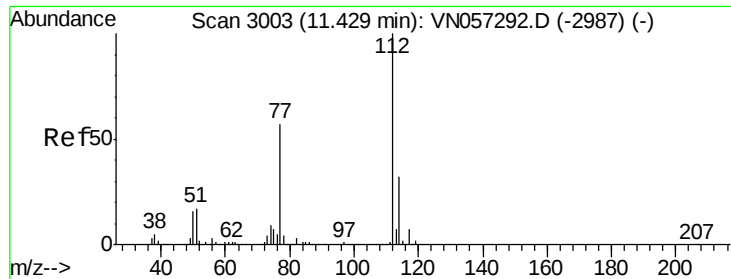
MMDadoda
8/21/2019 9:45:11 AM



#64
Tetrachloroethene
Concen: 21.220 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	103.5	155.3
129	84.4	71.2	106.8
131	81.9	68.2	102.4





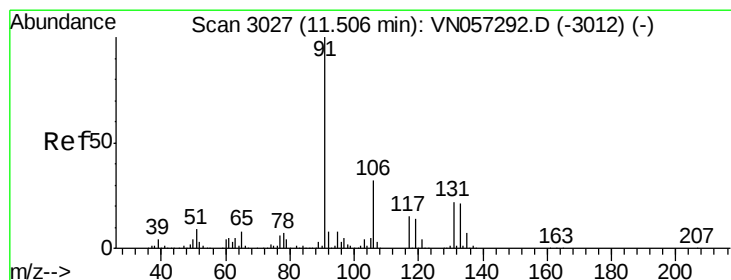
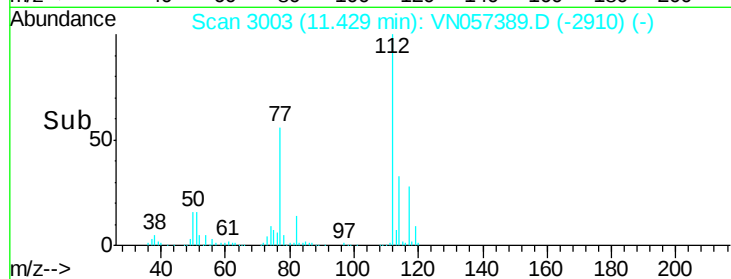
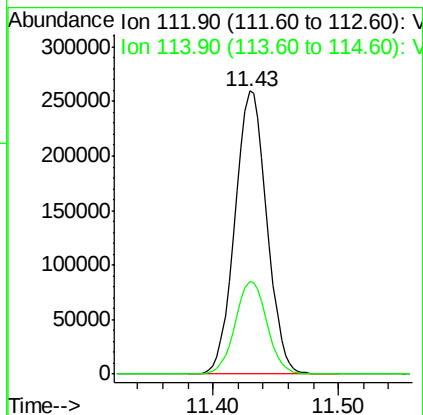
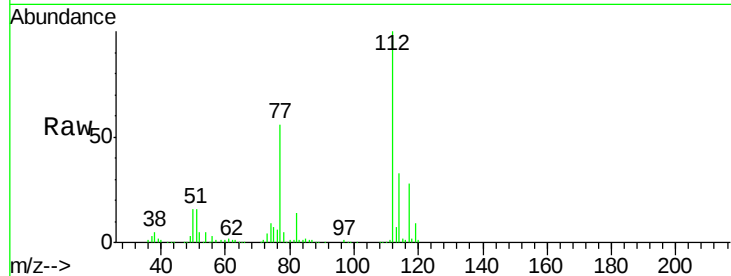
#65
Chlorobenzene
Concen: 20.280 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.7	38.5

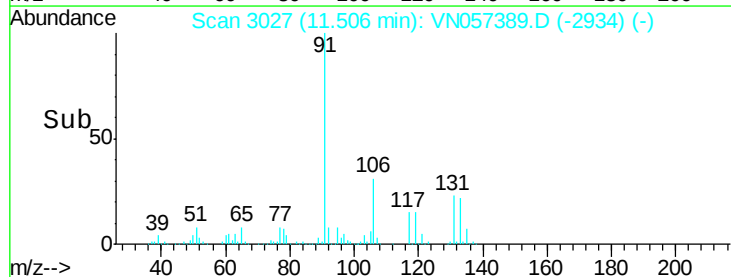
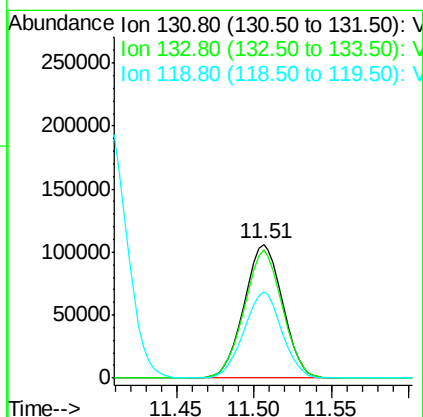
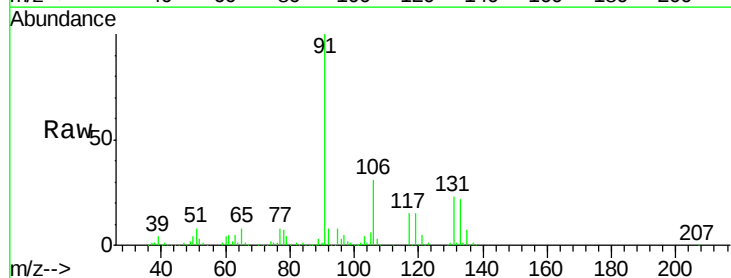
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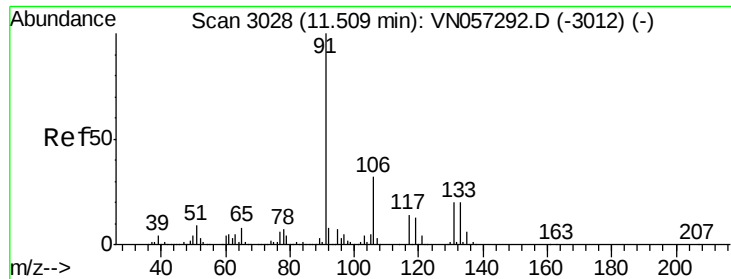
MMDadoda
8/21/2019 9:45:11 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.399 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.6	142.8
119	63.3	32.0	96.2





#67

Ethyl Benzene

Concen: 19.586 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampled :

VN0819WBSD01

Tot Ion: 91 Resp: 774607

Ion Ratio Lower Upper

91 100

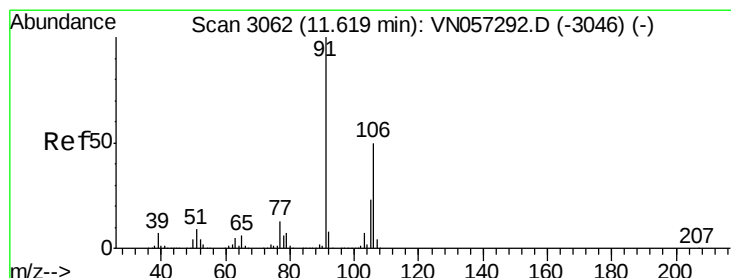
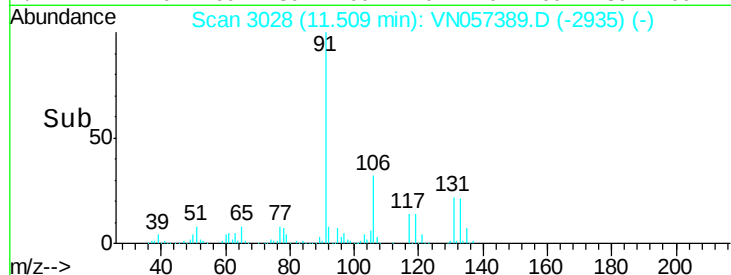
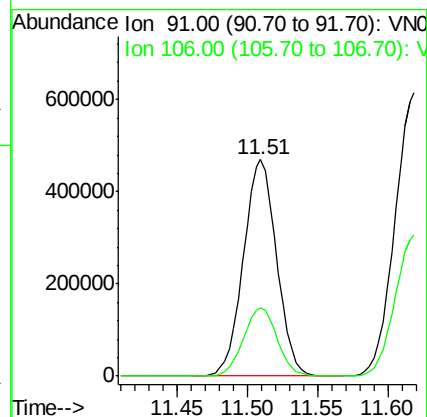
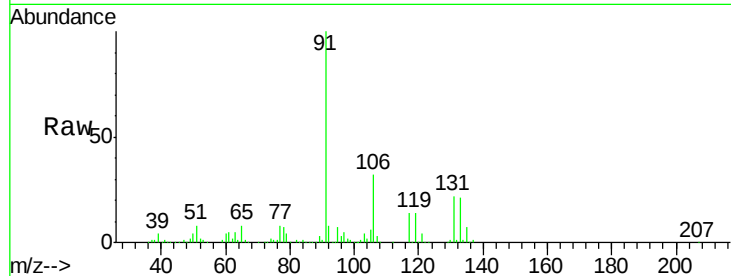
106 31.7 25.5 38.3

Manual Integrations

APPROVED

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8/21/2019 9:45:11 AM



#68

m/p-Xylenes

Concen: 40.025 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057389.D

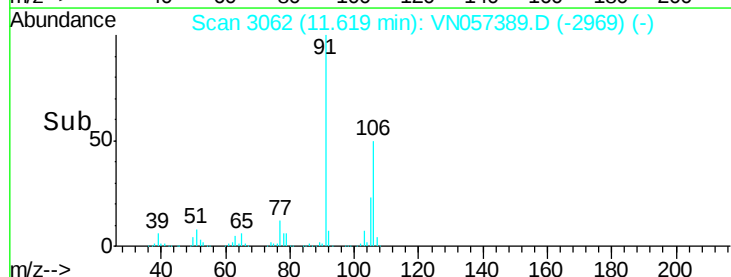
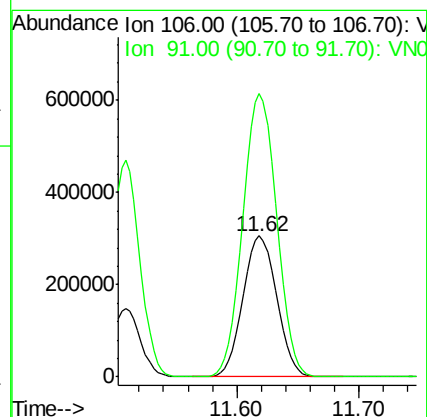
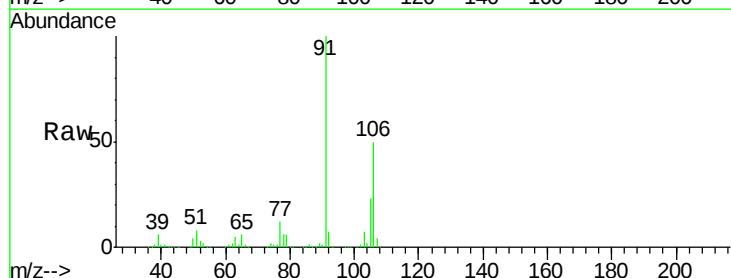
Acq: 19 Aug 2019 10:40

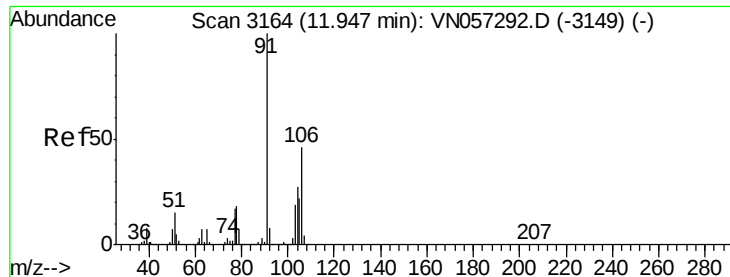
Tgt Ion: 106 Resp: 583202

Ion Ratio Lower Upper

106 100

91 201.2 161.5 242.3





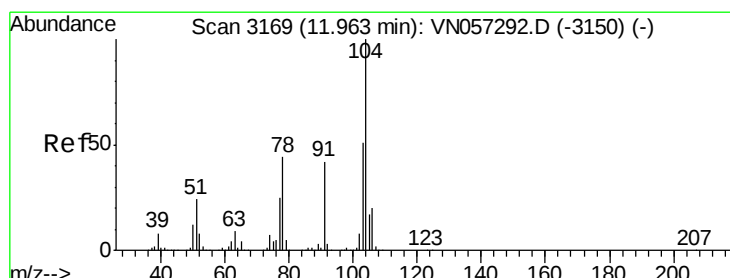
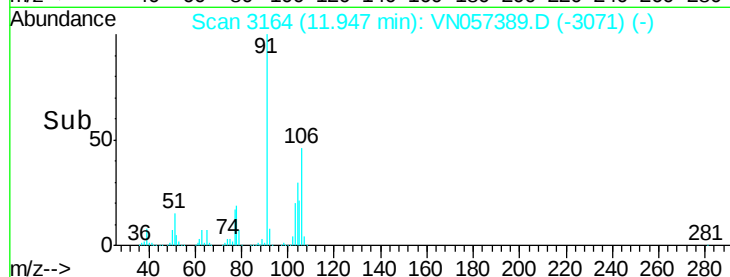
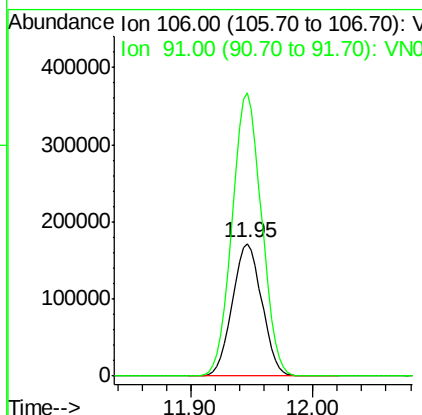
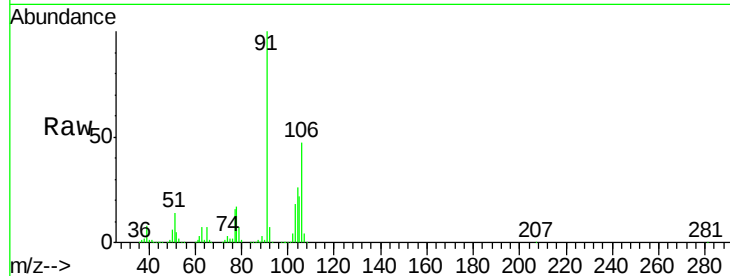
#69
o-Xylene
Concen: 20.241 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.8	106.3	319.0

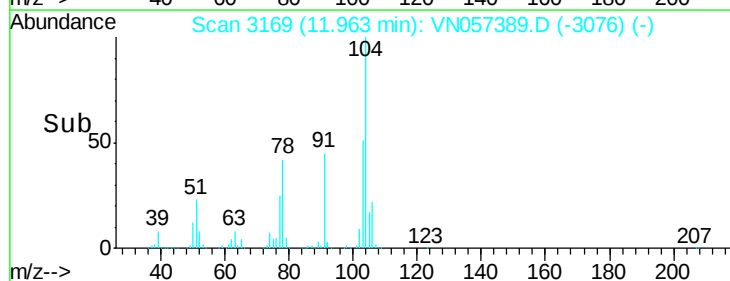
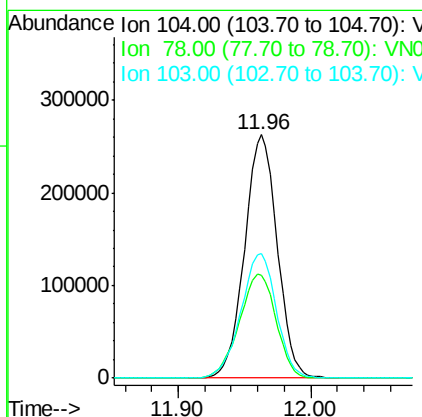
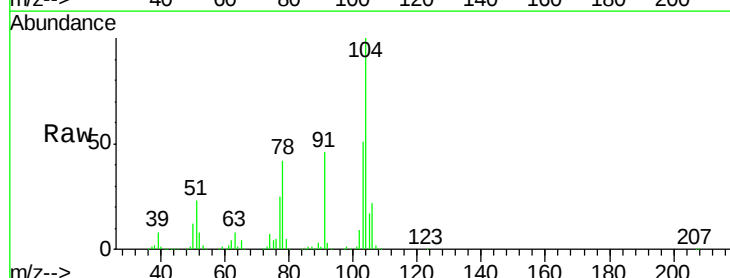
Manual Integrations
APPROVED

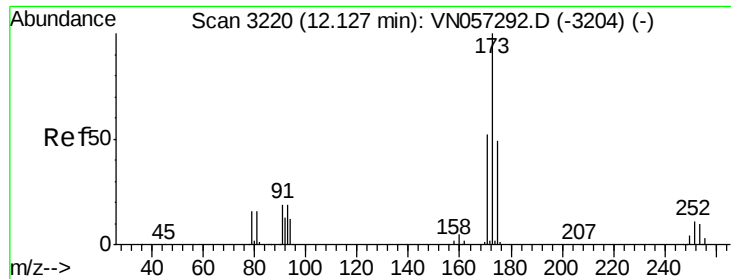
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#70
Styrene
Concen: 19.715 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	39.2	58.8
103	55.8	44.6	66.8





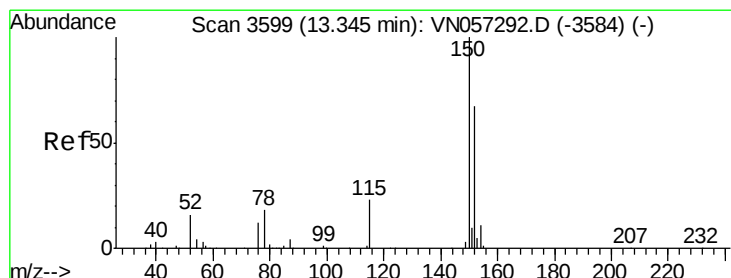
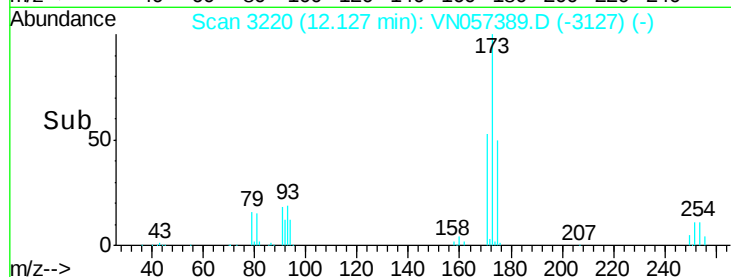
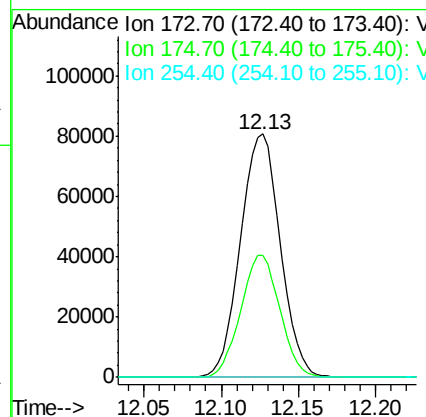
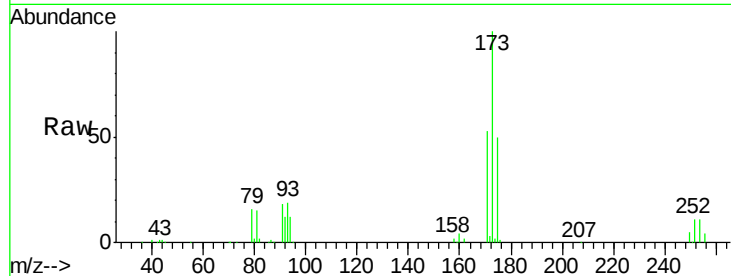
#71
Bromoform
Concen: 21.183 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	0.0	0.2	0.2

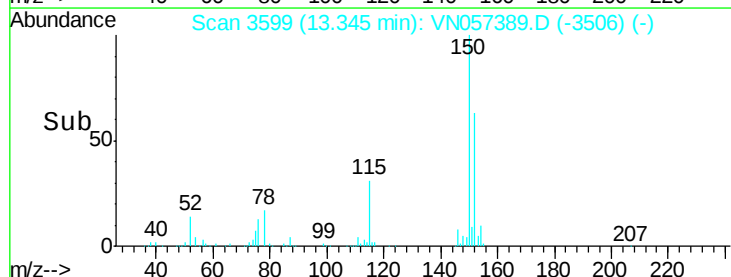
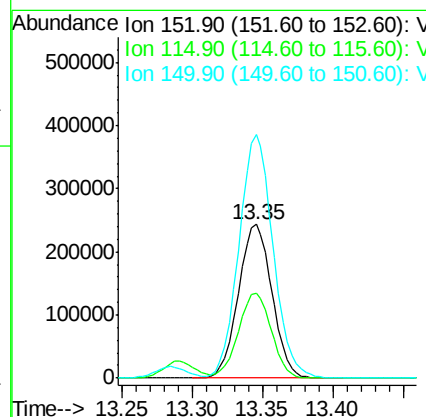
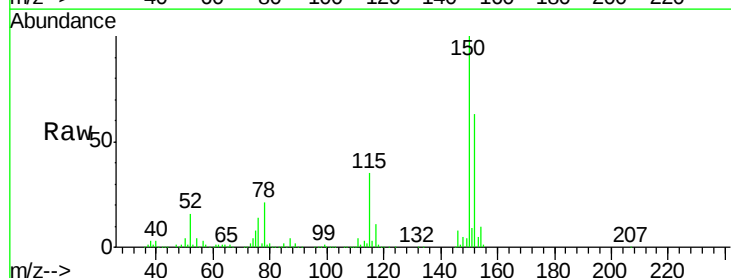
Manual Integrations
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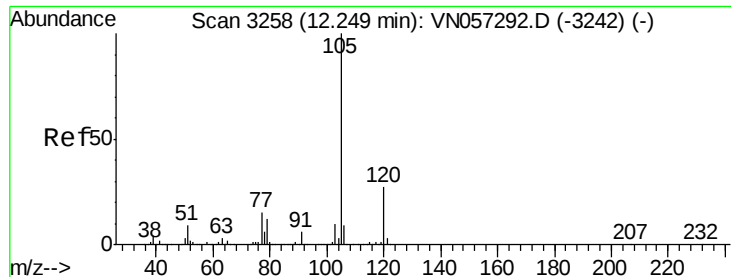
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.3	81.9
150	161.0	0.0	344.4





#73

Isopropylbenzene

Concen: 21.995 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBSD01

Tot Ion:105 Resp: 771979

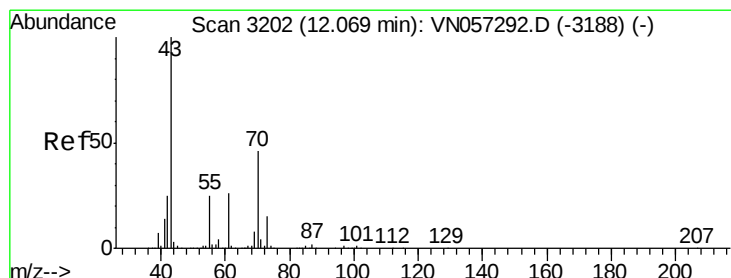
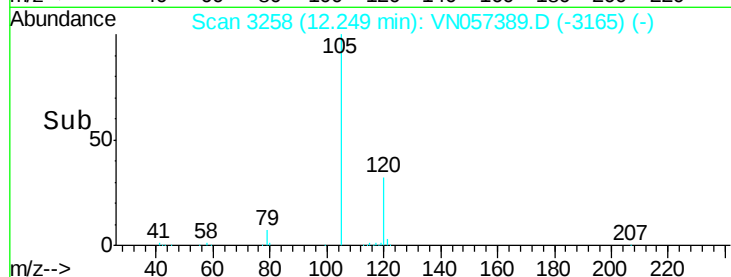
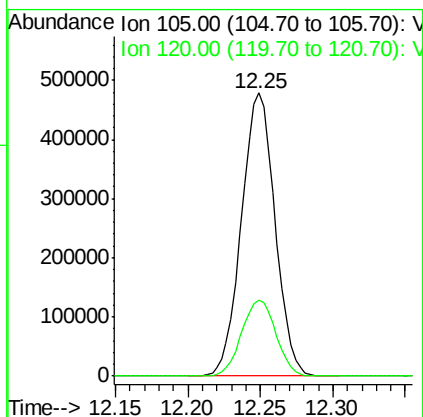
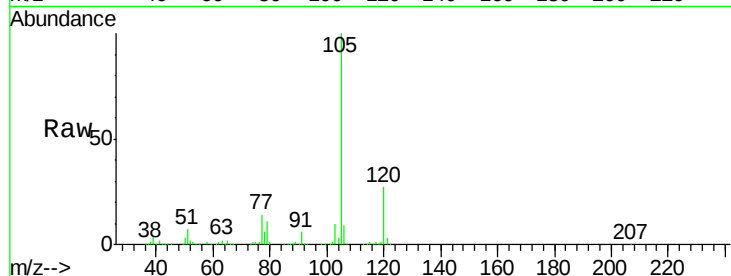
Ion Ratio Lower Upper

105 100

120 27.5 13.2 39.6

Manual Integrations
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8/21/2019 9:45:11 AM



#74

N-ethyl acetate

Concen: 17.979 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Tgt Ion: 43 Resp: 211975

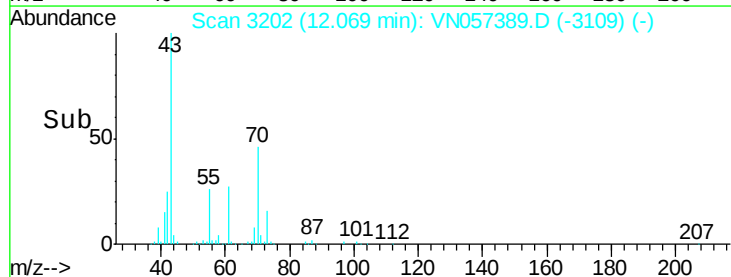
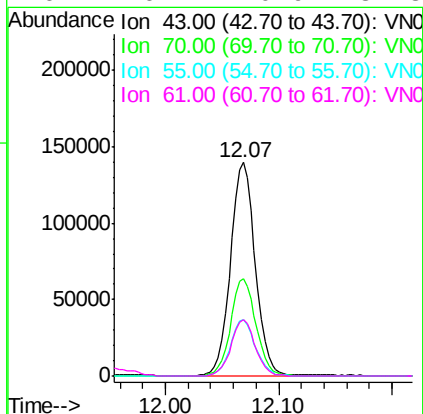
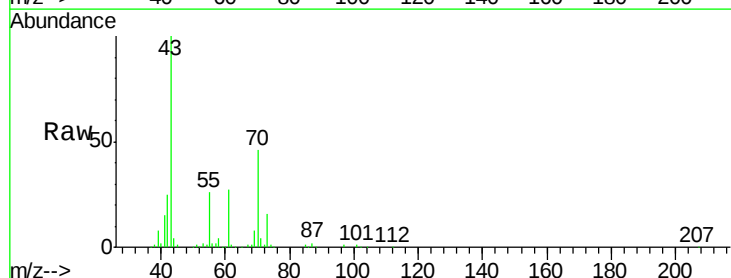
Ion Ratio Lower Upper

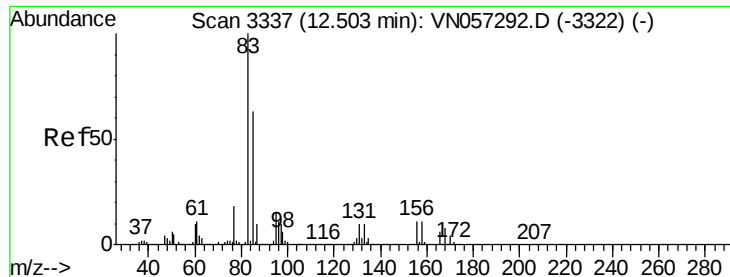
43 100

70 46.7 36.2 54.2

55 26.7 20.1 30.1

61 26.2 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.503 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

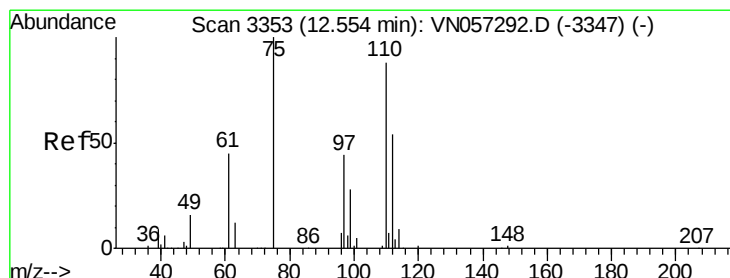
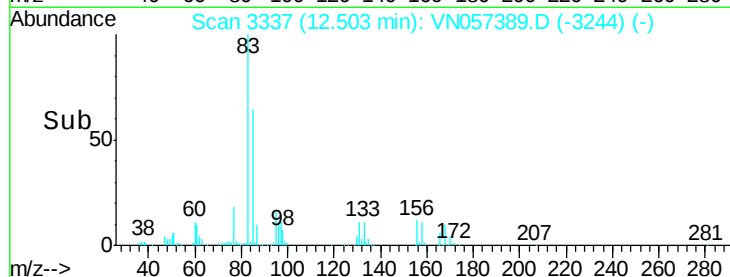
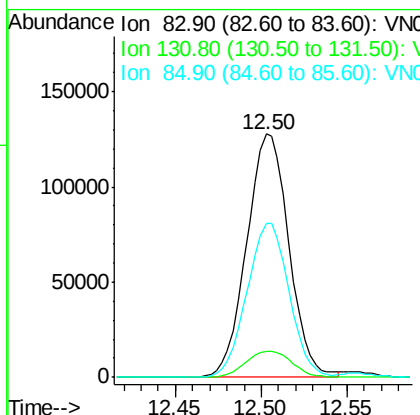
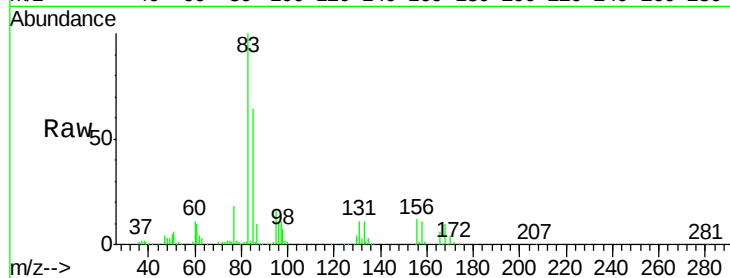
ClientSampleId :

VN0819WBSD01

Tot Ion:	83	Resp:	217233
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.4	16.2
85	63.3	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 21.307 ug/l m

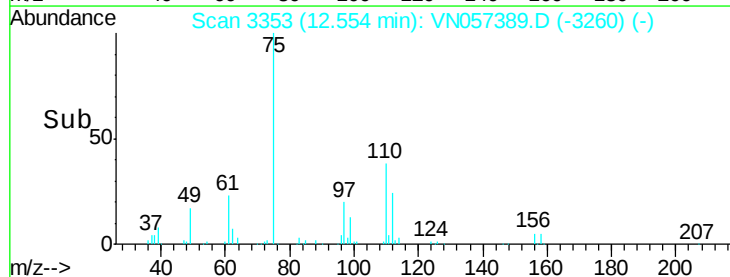
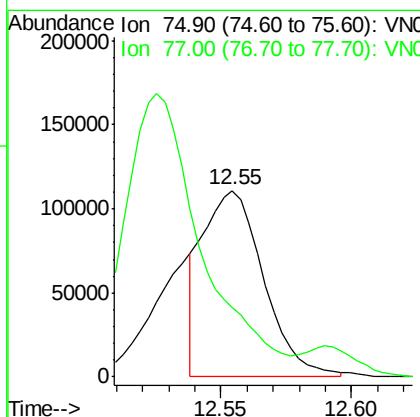
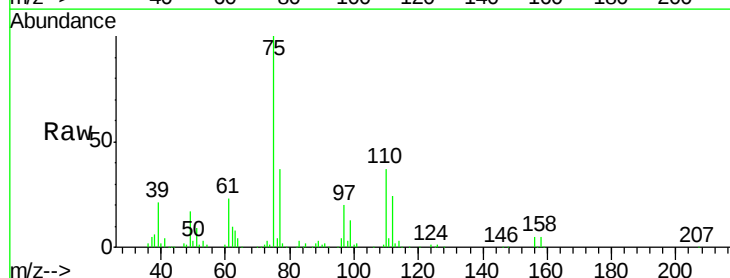
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Tgt Ion:	75	Resp:	179000
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.668 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

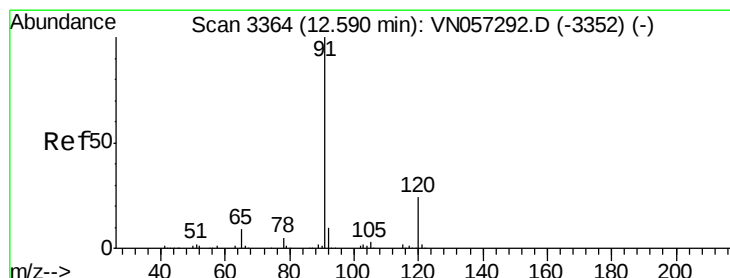
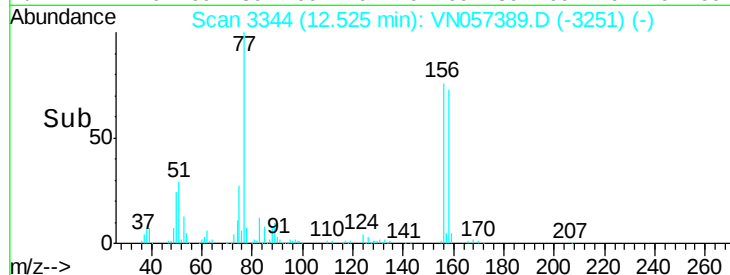
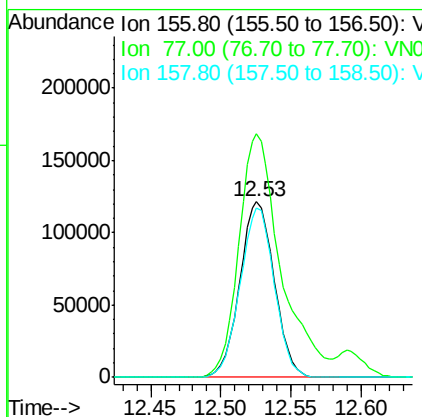
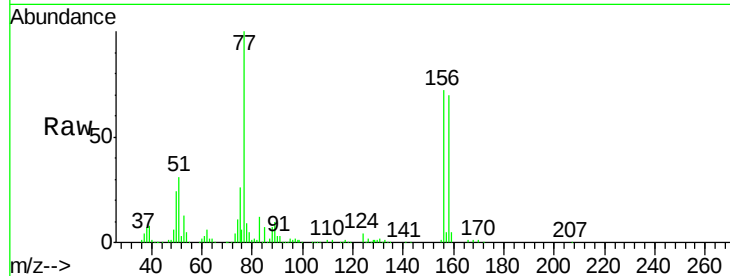
ClientSampleId :

VN0819WBSD01

Tot Ion:	156	Resp:	207690
Ion Ratio	Lower	Upper	
156	100		
77	168.3	89.8	269.6
158	96.0	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.373 ug/l

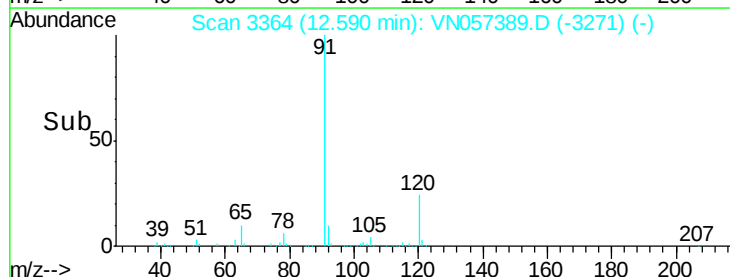
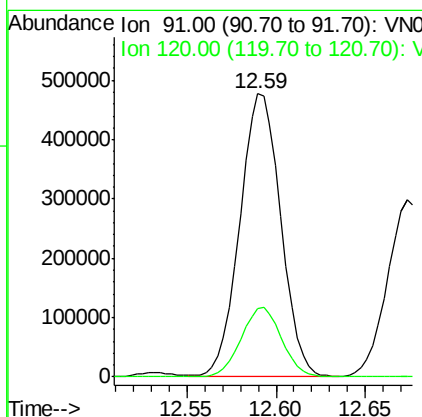
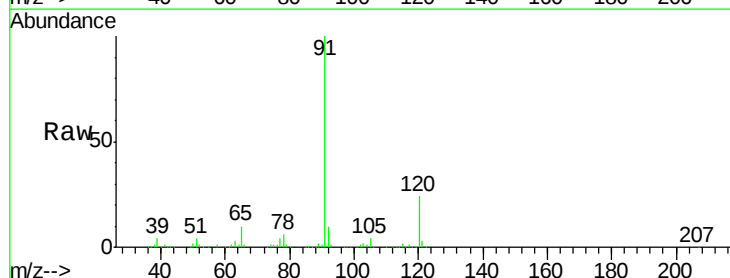
RT: 12.59 min Scan# 3364

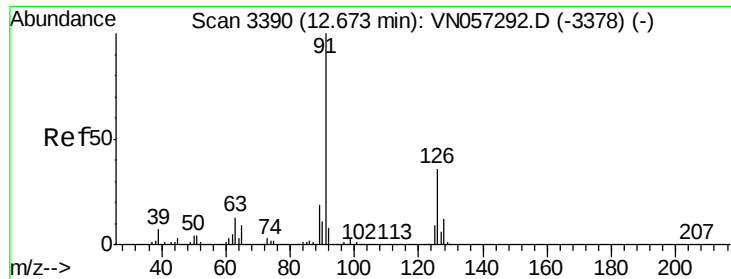
Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Tgt Ion:	91	Resp:	757976
Ion Ratio	Lower	Upper	
91	100		
120	24.5	11.9	35.7





#79

2-Chlorotoluene

Concen: 21.389 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBSD01

Tot Ion: 91 Resp: 486423

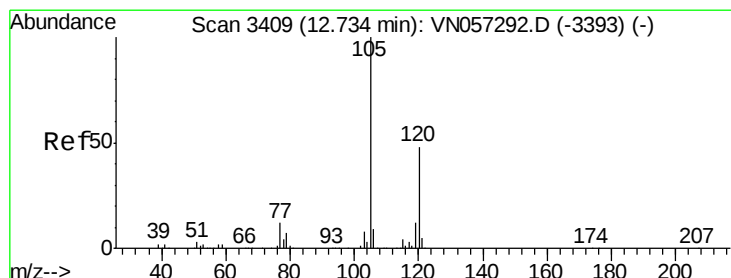
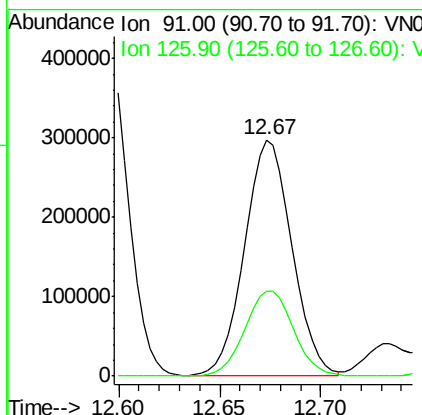
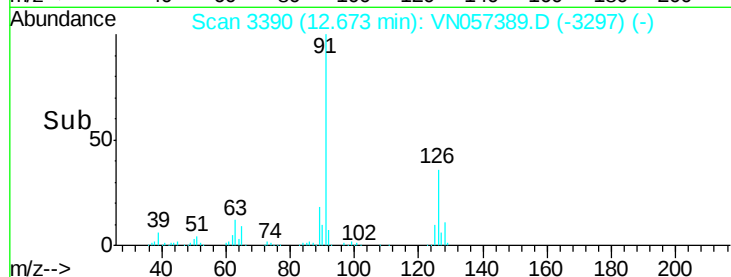
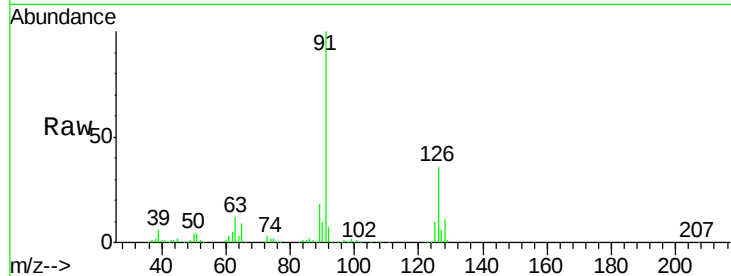
Ion Ratio Lower Upper

91 100

126 37.5 18.1 54.1

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#80

1,3,5-Trimethylbenzene

Concen: 21.628 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057389.D

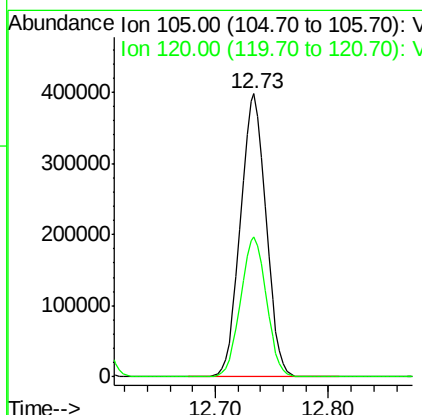
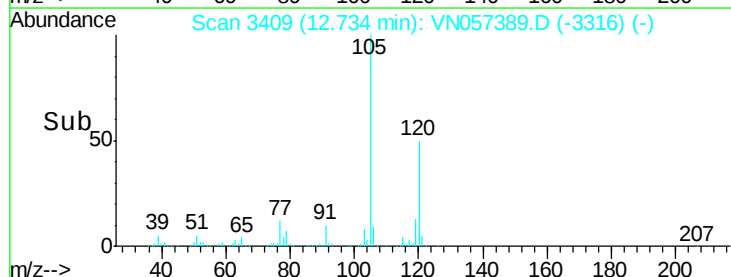
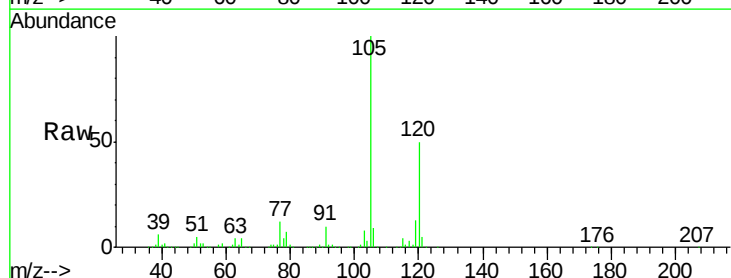
Acq: 19 Aug 2019 10:40

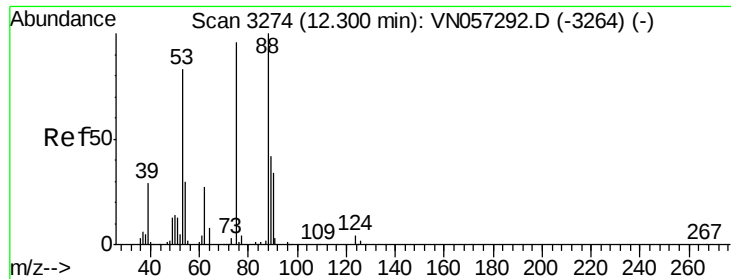
Tgt Ion: 105 Resp: 627133

Ion Ratio Lower Upper

105 100

120 50.0 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.562 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

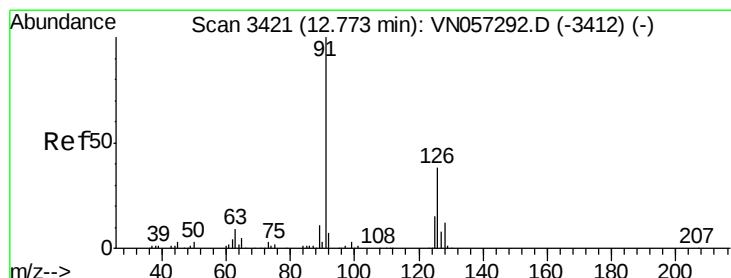
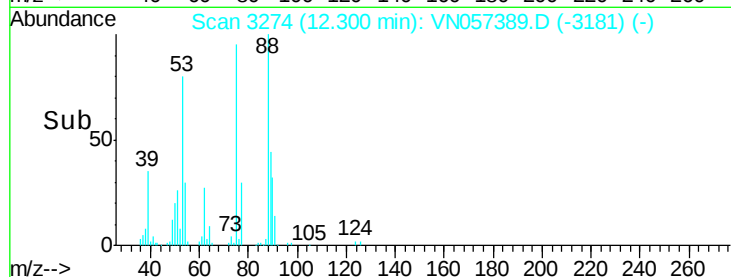
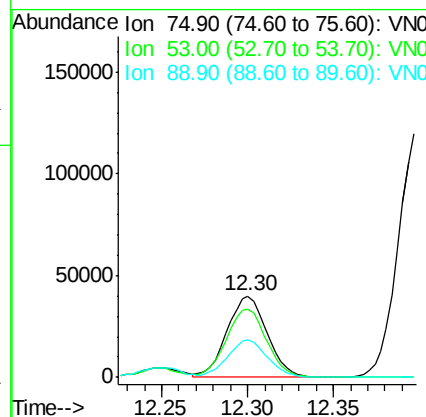
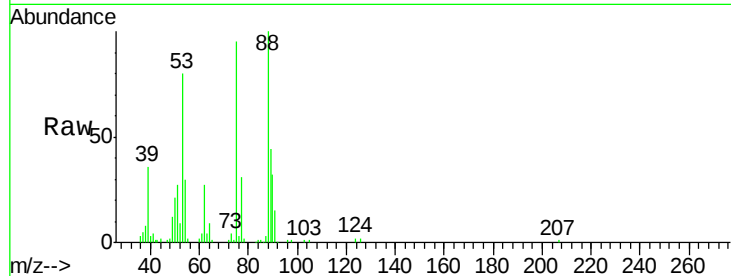
ClientSampleId :

VN0819WBSD01

Tot Ion:	75	Resp:	65180
Ion	Ratio	Lower	Upper
75	100		
53	83.4	67.9	101.9
89	45.3	36.2	54.4

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#82

4-Chlorotoluene

Concen: 18.965 ug/l

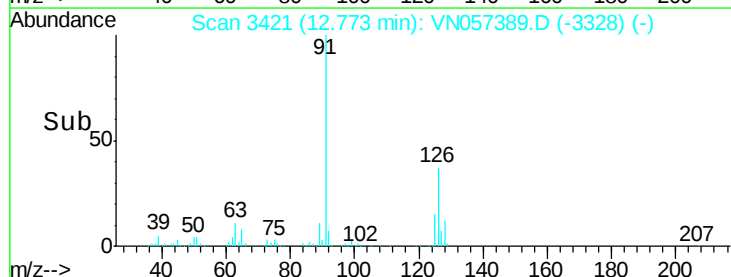
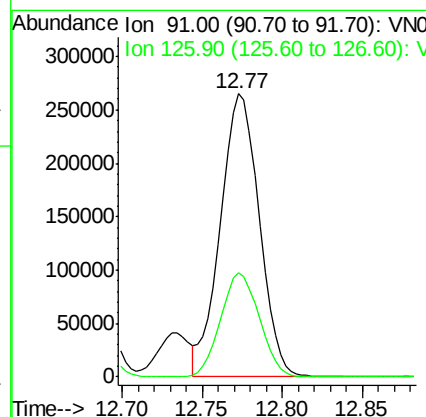
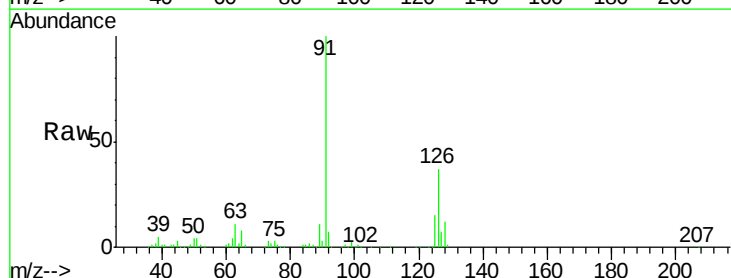
RT: 12.77 min Scan# 3421

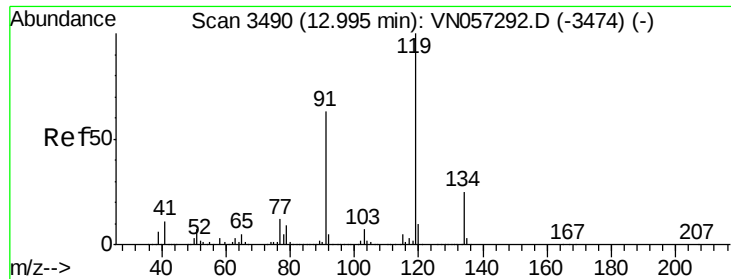
Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Tgt Ion:	91	Resp:	439697
Ion	Ratio	Lower	Upper
91	100		
126	36.6	17.3	51.7





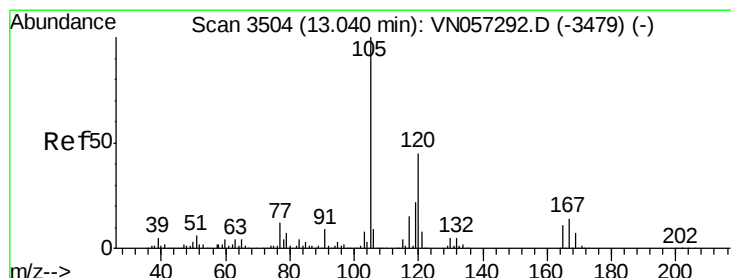
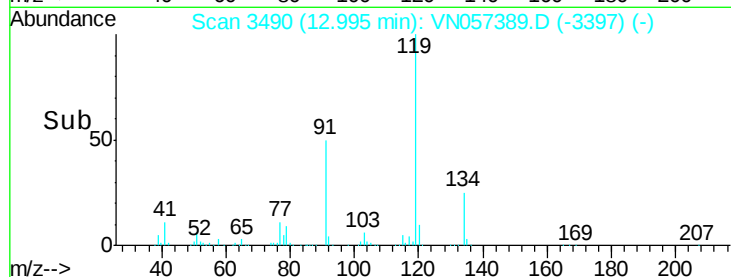
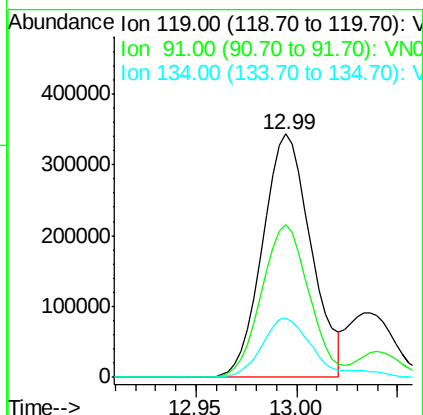
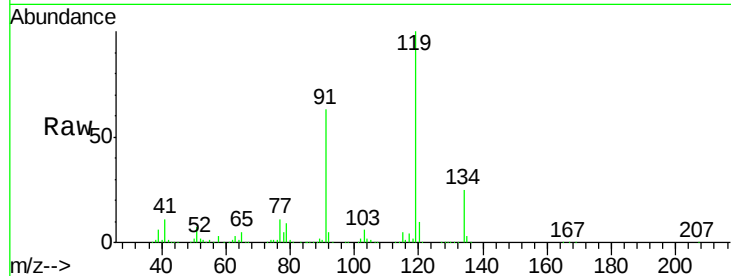
#83
tert-Butylbenzene
Concen: 22.212 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	574008		
91	61.7		31.3	93.8
134	26.2		13.1	39.1

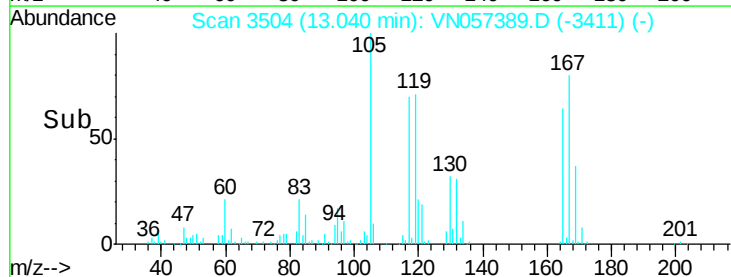
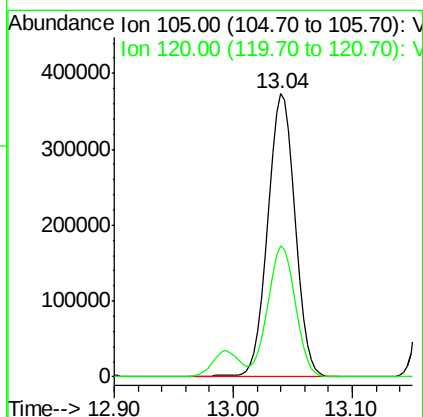
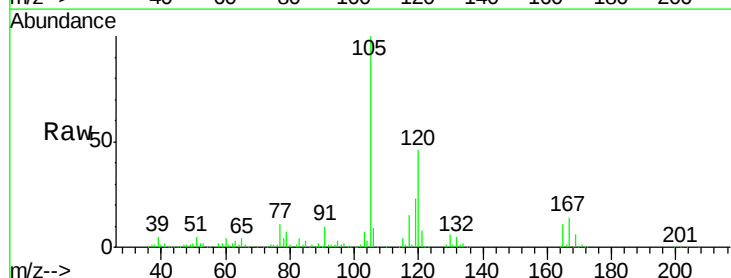
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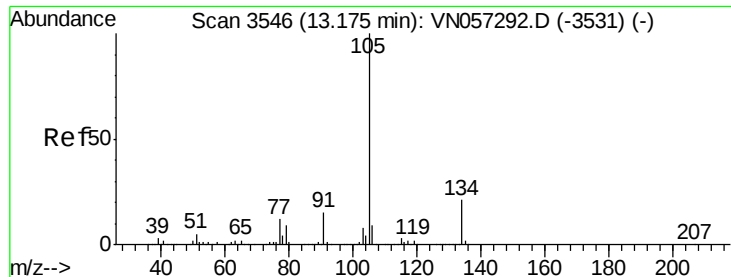
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.366 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	596019		
120	46.2		22.6	67.7





#85

sec-Butylbenzene

Concen: 21.042 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBSD01

Tot Ion:105 Resp: 673692

Ion Ratio Lower Upper

105 100

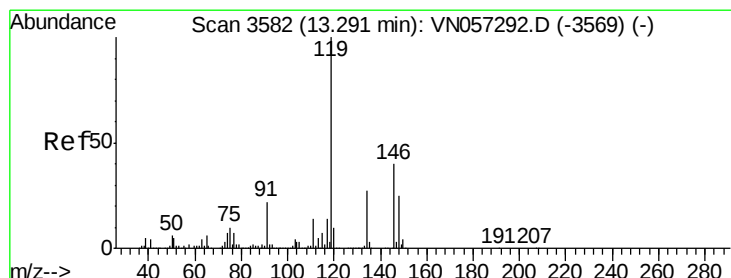
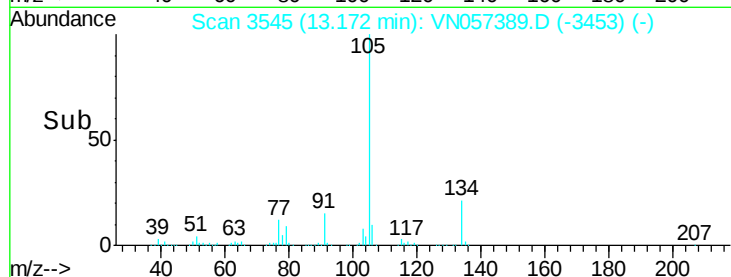
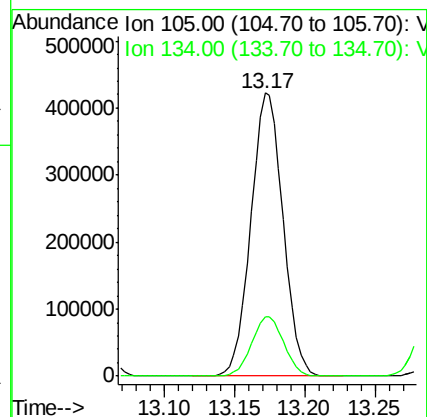
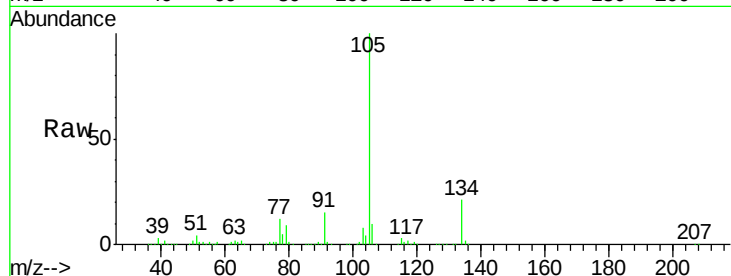
134 21.0 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 19.794 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

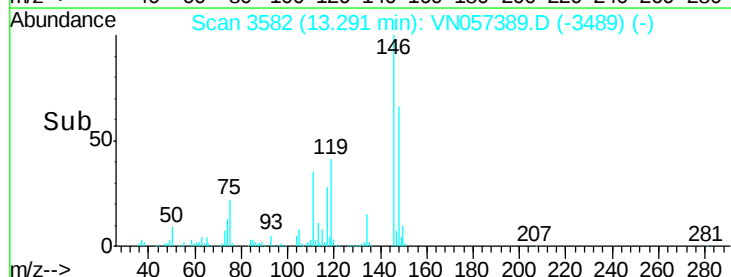
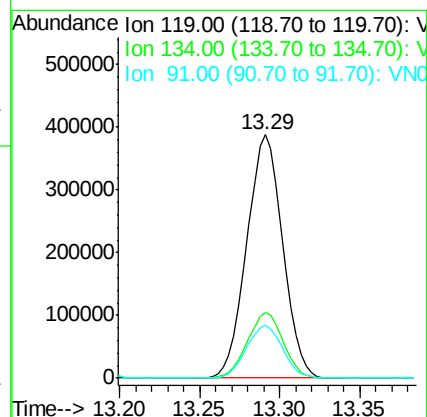
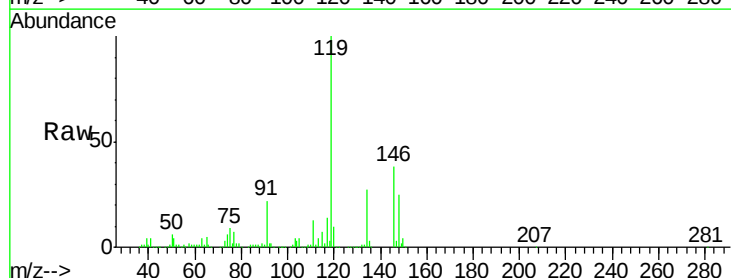
Tgt Ion:119 Resp: 593051

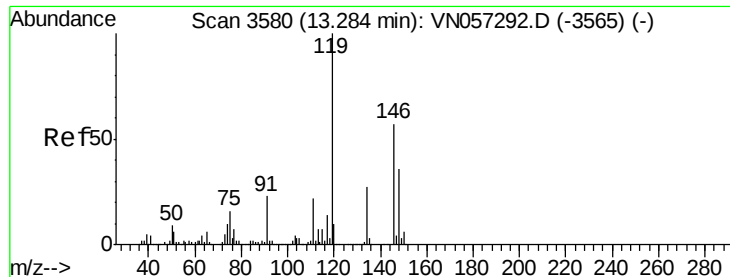
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.0 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.549 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

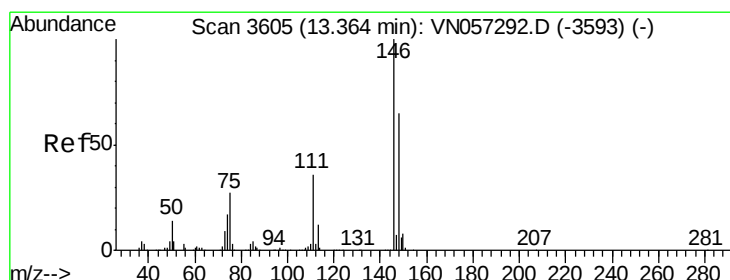
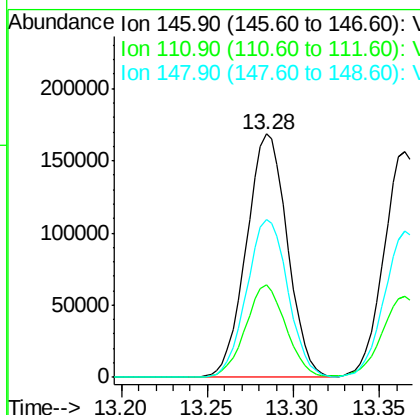
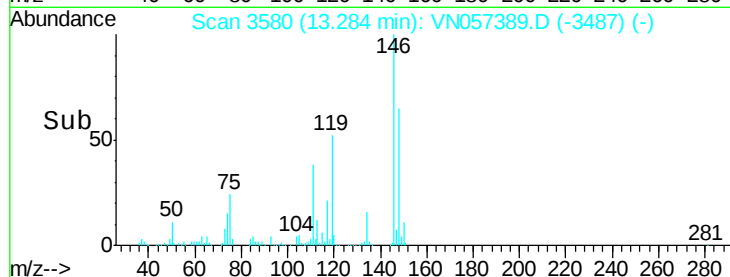
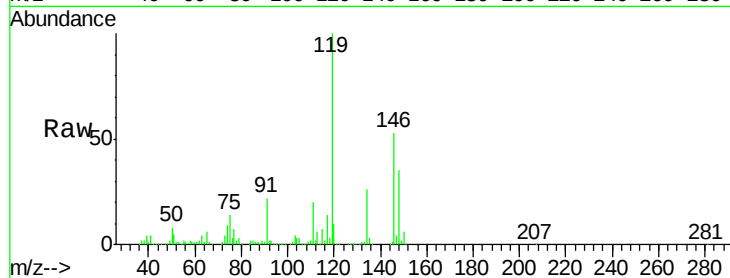
ClientSampleId :

VN0819WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	65.3	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 19.632 ug/l

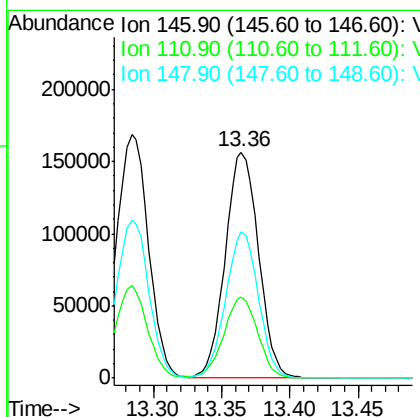
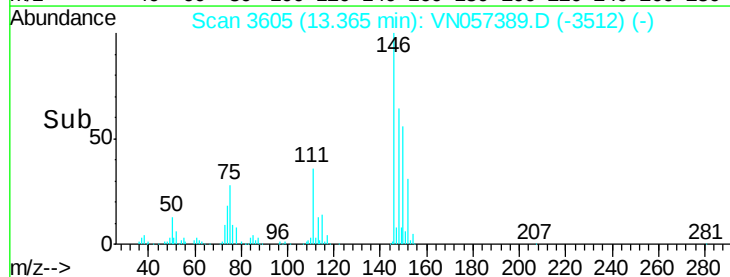
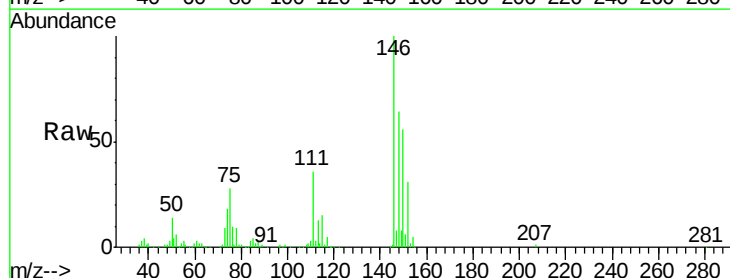
RT: 13.36 min Scan# 3605

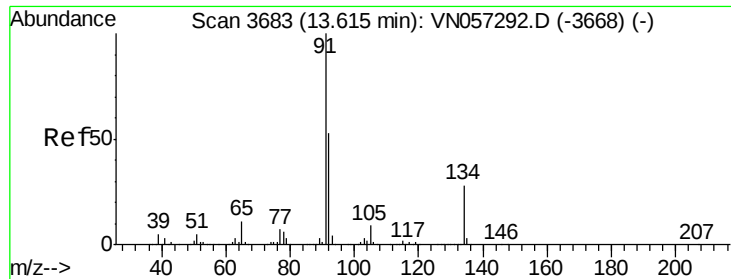
Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.4
148	63.7	32.5	97.4





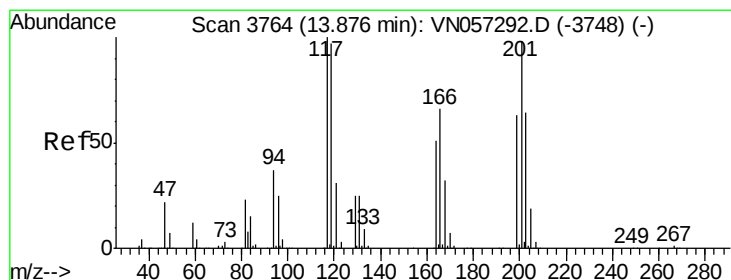
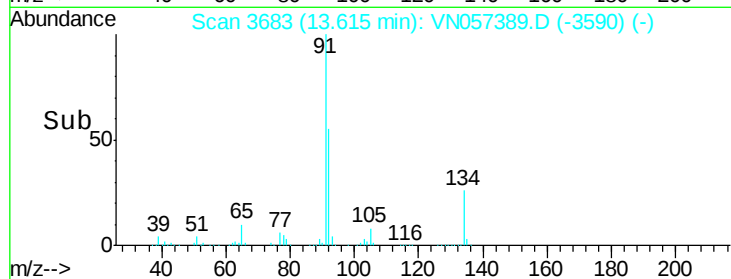
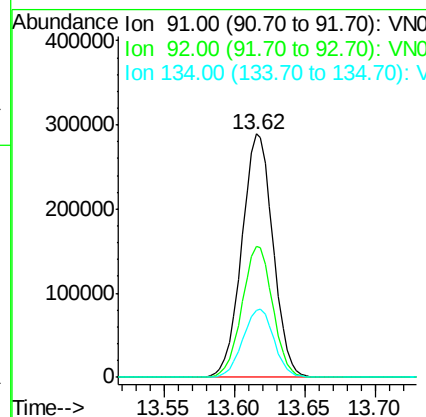
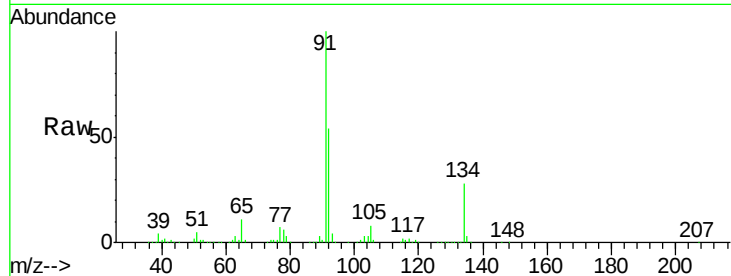
#89
n-Butylbenzene
Concen: 20.993 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.2	78.6
134	28.0	13.9	41.7

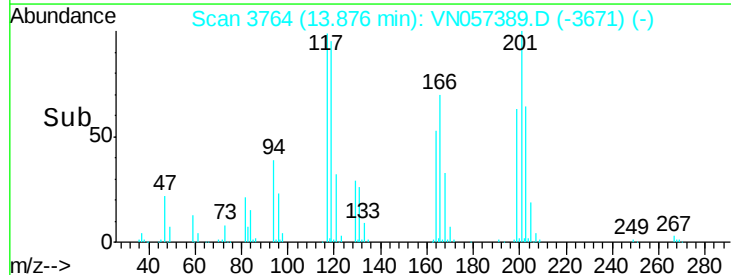
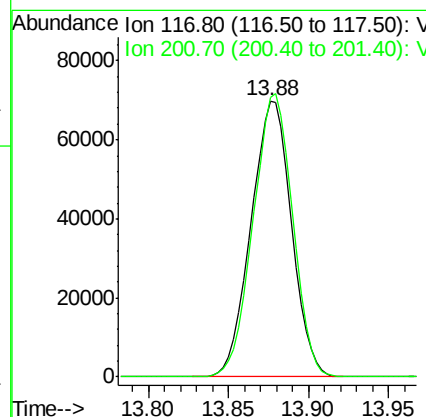
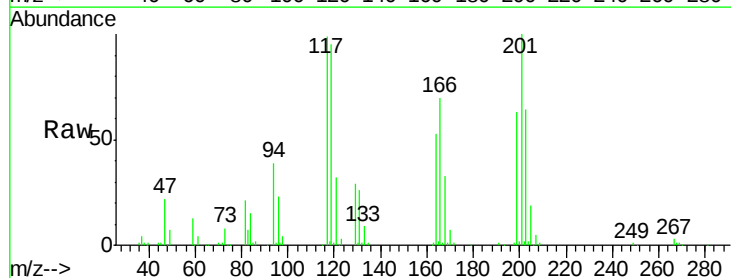
Manual Integrations
APPROVED

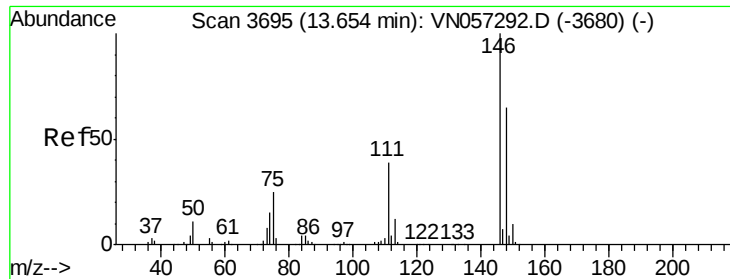
MMDadoda
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#90
Hexachloroethane
Concen: 22.458 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057389.D
Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.1	48.4	145.0





#91

1,2-Dichlorobenzene

Concen: 20.625 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

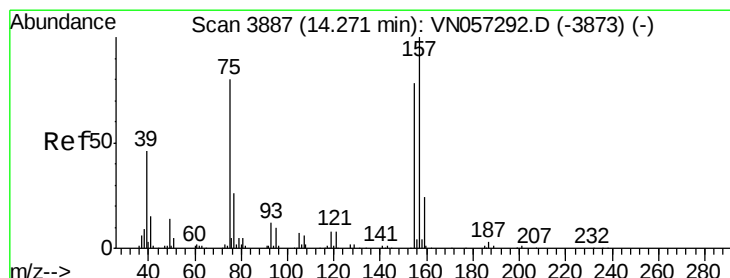
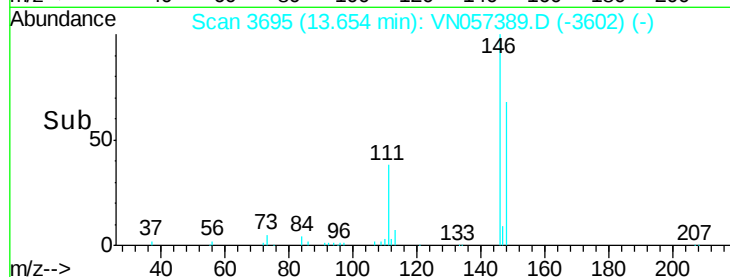
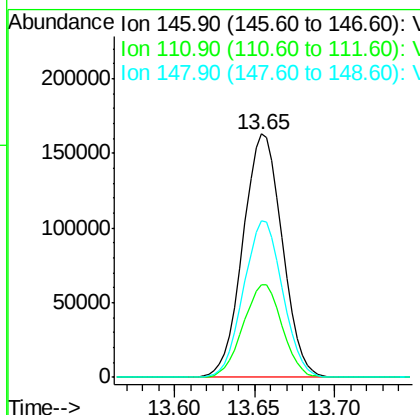
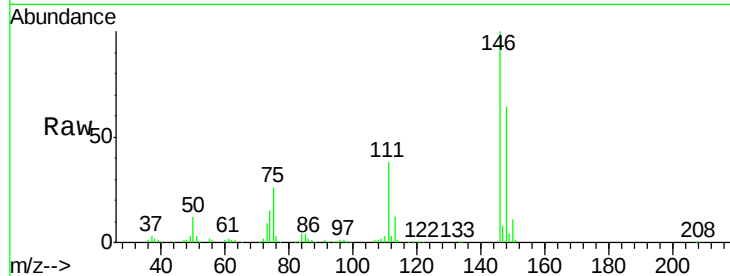
ClientSampleId :

VN0819WBSD01

Tot Ion:	146	Resp:	273707
Ion Ratio	Lower	Upper	
146	100		
111	37.8	19.7	59.1
148	64.0	32.0	96.0

Manual Integrations
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8/21/2019 9:45:11 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.810 ug/l

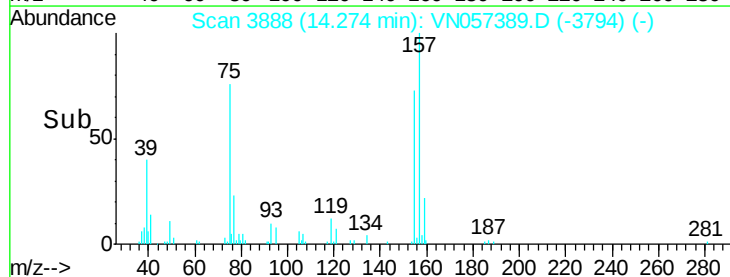
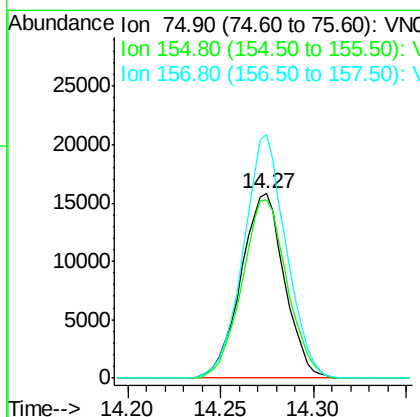
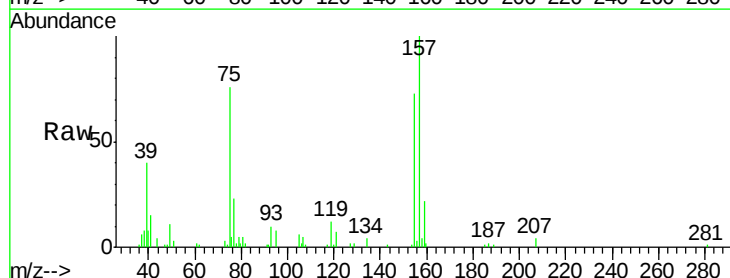
RT: 14.27 min Scan# 3888

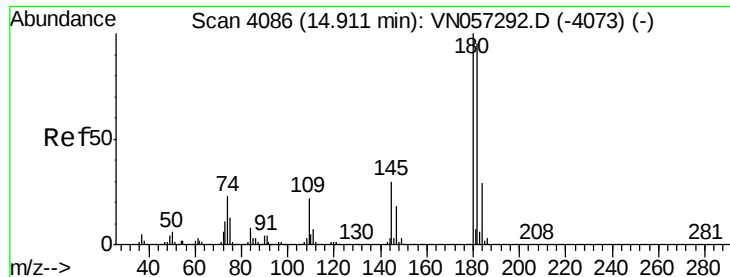
Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Tgt Ion:	75	Resp:	25805
Ion Ratio	Lower	Upper	
75	100		
155	100.0	49.6	148.8
157	129.5	63.7	191.1





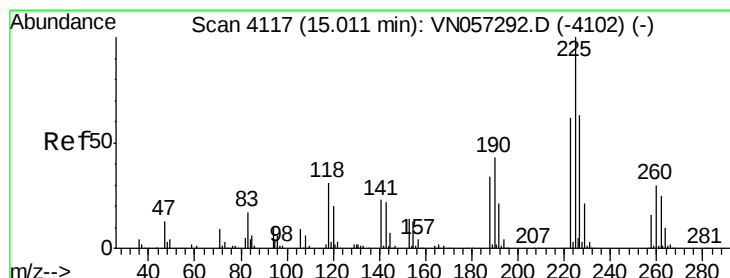
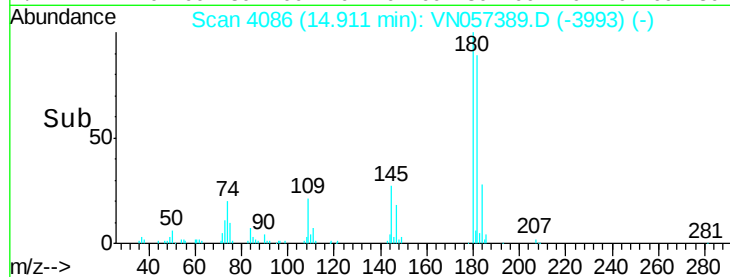
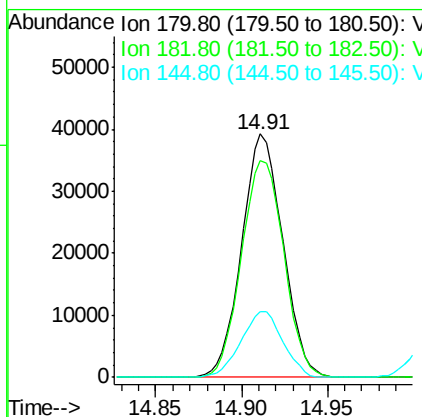
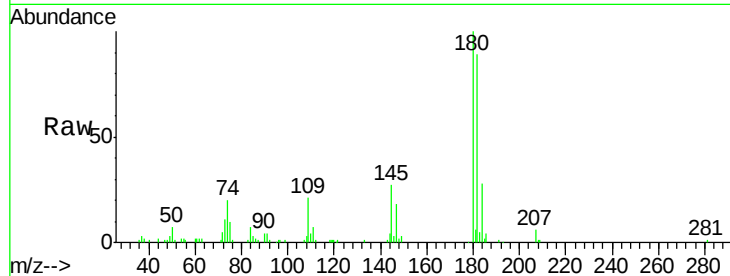
#93
 1,2,4-Trichlorobenzene
 Concen: 16.287 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057389.D
 Acq: 19 Aug 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	48.0	144.2
145	27.6	14.5	43.6

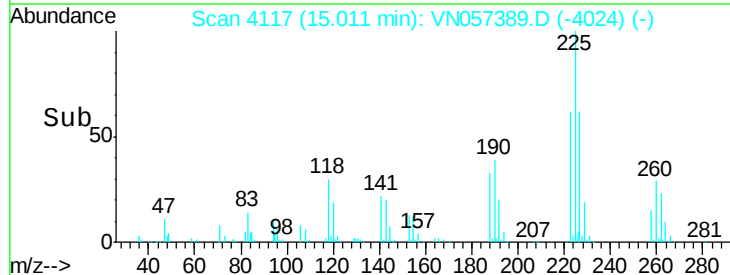
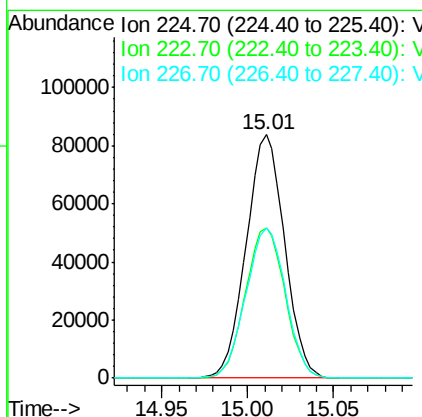
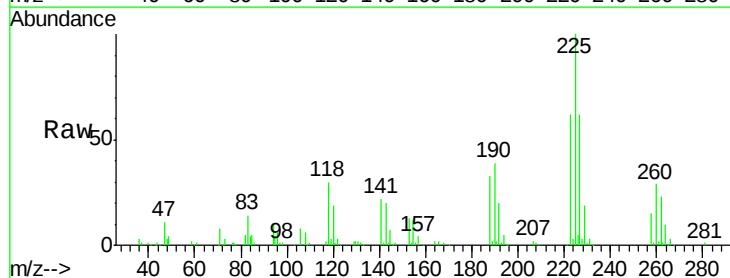
Manual Integrations
 APPROVED

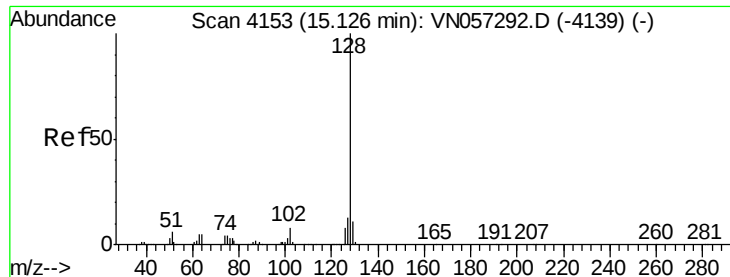
MMDadoda
 8/21/2019 9:45:11 AM



#94
 Hexachlorobutadiene
 Concen: 23.190 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057389.D
 Acq: 19 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.7	92.1
227	63.6	30.9	92.7





#95

Naphthalene

Concen: 18.984 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Instrument :

MSVOA_N

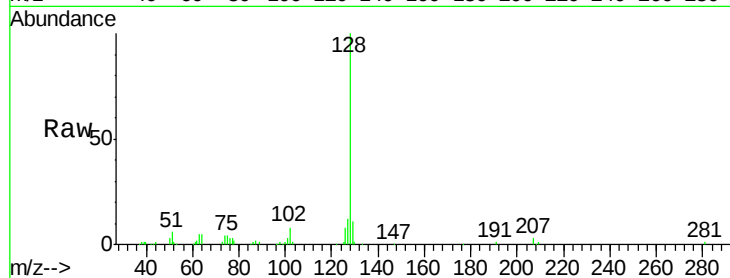
ClientSampleId :

VN0819WBSD01

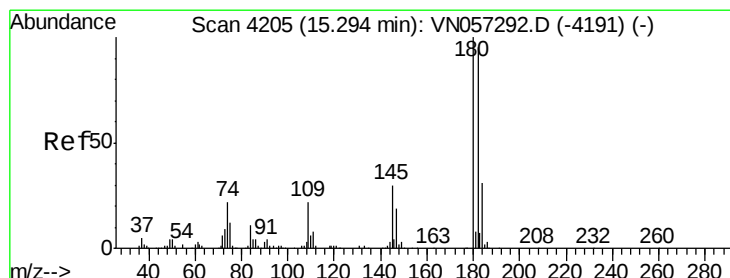
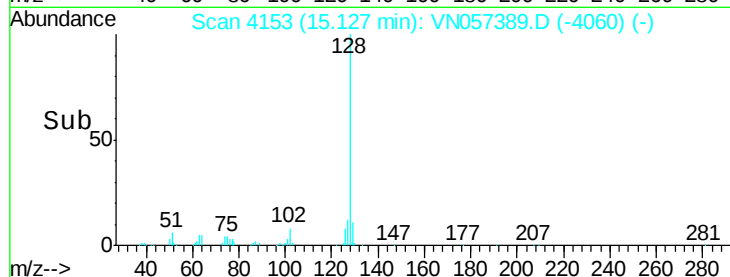
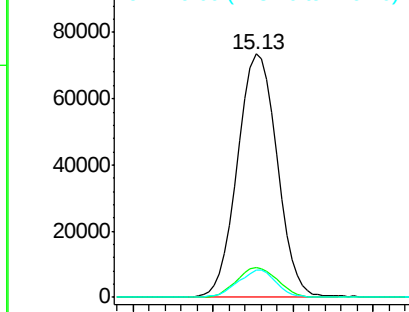
Tot Ion:	128	Resp:	124385
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/21/2019 9:45:11 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.949 ug/l

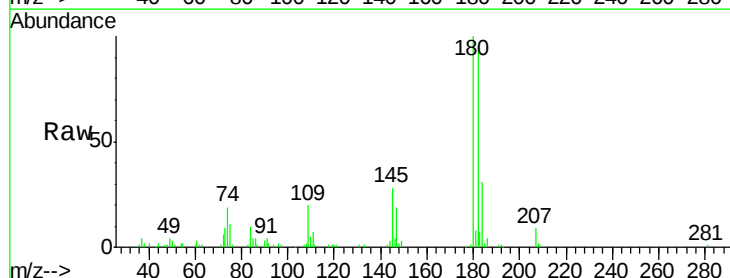
RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057389.D

Acq: 19 Aug 2019 10:40

Tgt Ion:	180	Resp:	61469
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.6
145	29.4	15.1	45.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

